SAND2008-3636P

User Process Model

For

Software Asset Management System (SAM)

Version: 1.3

Prepared by: Orlando Osuna, 4521, 284-4272, ojosuna@sandia.gov on 3/1/2006

User Process Model Revision History

Revision Date	Revised By	Comment
3/1/2006	Orlando Osuna	Initial draft.
3/7/2006	Orlando Osuna	Added new use cases, updated use case diagram.
3/8/2006	Orlando Osuna	Fixed inconsistencies found by Lori Kowlowski and Julie Lujan, added Delegate Role and Login to System use cases.
5/1/2006	Jodi Eckstine	Updated diagrams and use cases. Added new use cases.

Table of Contents

Actor Description Table 4
Definitions 5
Use Case Diagrams and Descriptions 6
Actor Generalization 6
Login 7
UC01 – Login To System 8
Software Product 9
UC02 – Search for Software Product 10
UC03 – Create Software Product 11
UC04 – Clone Software Product 12
UC05 – Update Software Product 13
UC06 – Delete Software Product 14
UC07 – Request Software Product 15
Software License 17
UC08 – Search for Software License 19
UC09 – Purchase Software License 20
UC10 – Renew Software License Maintenance 22
UC11 – Create Software License 23
UC12 – Update Software License 24
UC13 – Delete Software License 25
User Profile 26
UC14 – View User Profile 28
UC15 – Return Software License 29
UC16 – Transfer Software License 30
Library 32
UC17 – View Library 33
UC18 – Check-Out Library License 34
UC19 – Check-In Library License 35
Organizational COE 36
UC20 – Search for Organizational COE 37
UC21 – Purchase Organizational COE 38
UC22 – Create Organizational COE 40
UC23 – Update Organizational COE 41
UC24 – Delete Organizational COE 42
Report 43
UC25 – View Report 44
Delegate Role 45
UC26 – Delegate Role 46

Actor Description Table

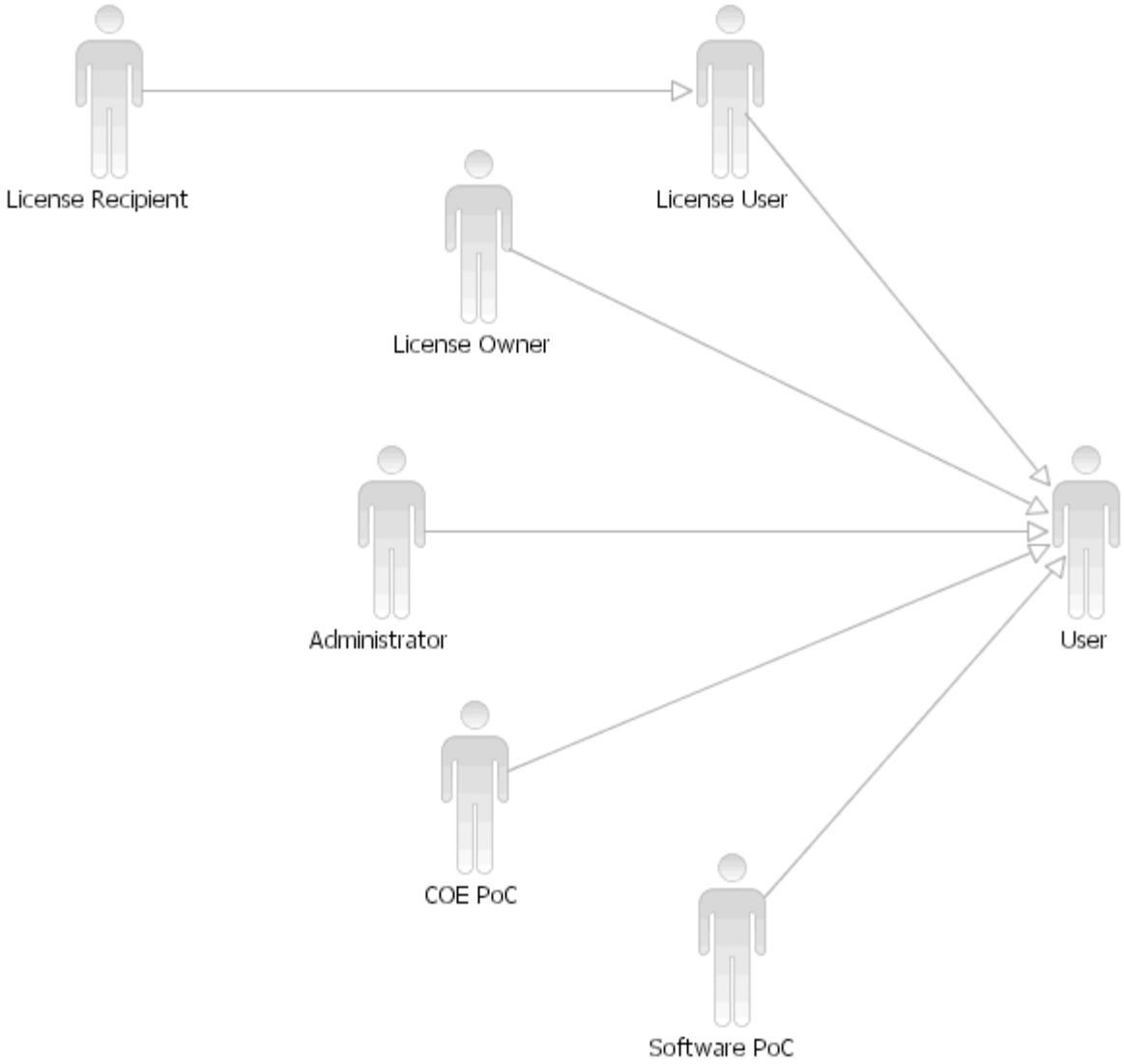
ACTOR	***DEFINITION***
Administrator	A User of the SAM system that has privileges to create, update, and delete software products, create, update, and delete organizational COEs, and create and delete licenses. The Administrator has access to special administrative reports. This role can be delegated
COE PoC	A User of the SAM system that has privileges to update and delete the COEs they are PoC for.
CSU Technician	A Computer Support Unit Technician supports the installation and uninstallation of software products.
License Owner	An owner of a software license.
License Recipient	A user of a software license that receives a transfer of a license from a License User.
License User	A user of a software license. A License User has privileges to return a software license, transfer a software license, renew software license maintenance, and check-out/check-in a library license.
RDA	The corporate system used to maintain roles and delegations of those roles.
Software PoC	A User of the SAM system that has privileges to update and delete the software products they are PoC for. The Software PoC has access to special reports.
System	The SAM system.
User	Any User of the system.

Definitions

TERM	***DEFINITION***
COE	Common Operating Environment
Organizational COE	A grouping of software products used by a specified organization or entity.
P/T	Project/Task

Use Case Diagrams and Descriptions

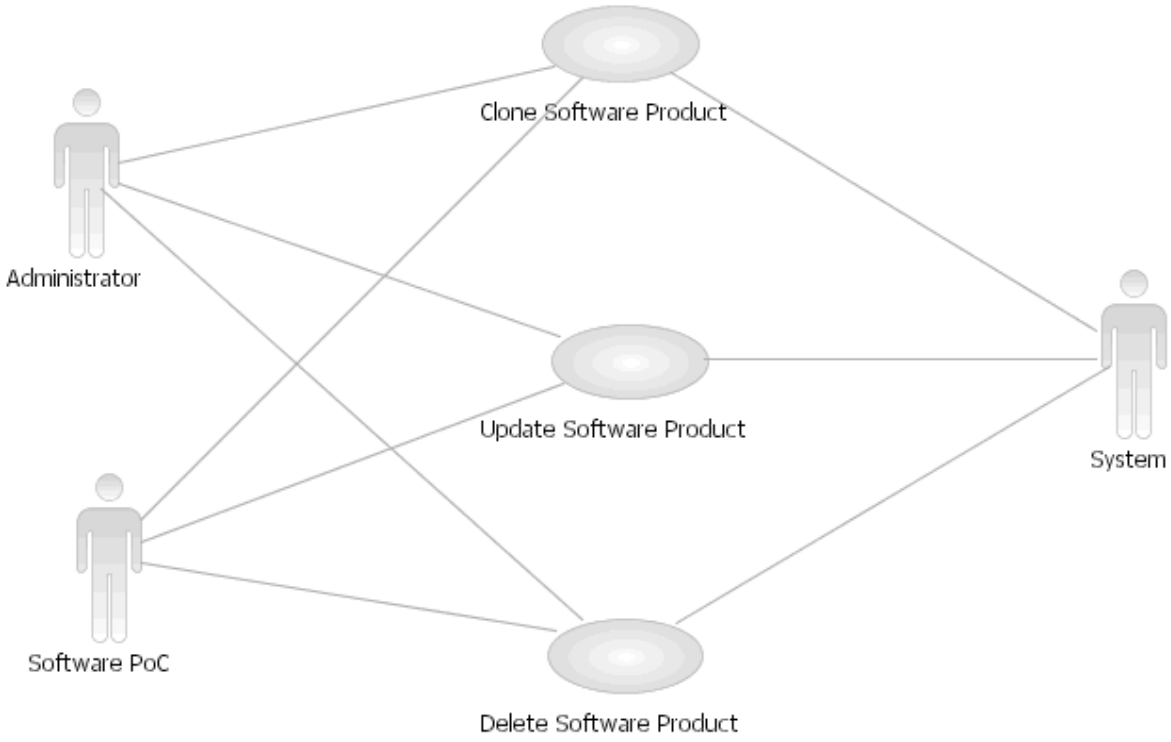
Actor Generalization



Login

Use Case Name:	UC01 – Login To System
Iteration:	Finished
Goal:	Login to the System.
Summary:	This will allow a user to login to the System.
Actors:	User • License User • License Owner • Administrator • Software PoC • COE PoC System
Basic Course:	1. User accesses the SAM home page. 2. System prompts user to enter userid and password. 3. User enters userid and password. 4. System verifies the entered userid and password are valid. 5. User is granted access to the System.
Alternative Paths:	2a. SPNEGO is enabled. • System verifies userid and password without user reentering the information. • System grants user access to the system.
Exception Paths:	4a. Userid is invalid. • System displays error message. • User renters userid and password. • Reenter basic course at step 4. 4b. Password is invalid. • System displays error message. • User reenters userid and password. • Reenter basic course at step 4. 4c. User enters invalid userid or password for 3rd time. • System displays access forbidden message.
Extension Points:	None
Trigger:	User accesses the SAM home page.
Assumptions:	None
Preconditions:	None
Postconditions:	User is logged into the System.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna
Dates:	**Status of Use Case** / **Date Complete** **Finished** / 4/5/2006 **Focused** / 3/29/2006 **Filled** / 3/8/2006 **Facade** / 3/2/2006

Software Product



Use Case Name:	UC02 – Search for Software Product
Iteration:	Finished
Goal:	Search catalog for software product information.
Summary:	This will allow a user to search the catalog for software product information.
Actors:	User • License User • License Owner • Administrator • Software PoC • COE PoC System
Basic Course:	1. User selects to search the catalog for software products. 2. User enters search parameters. 3. System returns list of software products matching the search parameters.
Alternative Paths:	2a. User selects to view archived software products. • System returns list of archived software products matching search parameters.
Exception Paths:	3a. No software products match search parameters entered. • System displays message that no results were found. • User enters new search parameters.
Extension Points:	UC4, UC5, UC6, UC7, UC9, UC11, UC17, UC22, UC23
Trigger:	User selects to search for software product information.
Assumptions:	Software products have been added to the catalog.
Preconditions:	User has been granted access to the System.
Postconditions:	List of software products matching search parameters is displayed for viewing.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna

Dates:

Status of Use Case	Date Complete
Finished	4/5/2006
Focused	3/29/2006
Filled	3/8/2006
Façade	3/2/2006

Use Case Name:	UC03 – Create Software Product
Iteration:	Finished
Goal:	Create a software product.
Summary:	This will allow the Administrator to add a new software product to the catalog.
Actors:	Administrator System
Basic Course:	1. Administrator selects to create a software product. 2. Administrator enters required fields. 3. Administrator requests save of information. 4. System verifies all required fields have been entered. 5. System verifies all fields are valid and correctly formatted. 6. System saves information.
Alternative Paths:	None
Exception Paths:	4a. Required fields are missing. • System displays error message. • Administrator corrects errors. 5a. Fields are invalid or incorrectly formatted. • System displays error message. • Administrator corrects errors. 5b. Software product title and version duplicate an existing software product. • System displays error message. • Administrator corrects error.
Extension Points:	None
Trigger:	SAM Administrator selects to create a new software product.
Assumptions:	None
Preconditions:	User has been granted access to the System. System validates user as an Administrator.
Postconditions:	Software product information is stored in database and is available for purchase and in queries.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna

Dates:

Status of Use Case	Date Complete
Finished	4/5/2006
Focused	3/29/2006
Filled	3/8/2006
Façade	3/2/2006

Use Case Name:	UC04 – Clone Software Product
Iteration:	Finished
Goal:	Clone a software product.
Summary:	This will allow the Administrator or Software PoC to clone an existing software product into a new software product.
Actors:	Administrator Software PoC System
Basic Course:	1. Administrator or Software PoC selects to clone a software product. 2. Administrator or Software PoC searches for a software product. (UC02) 3. Administrator or Software PoC selects software product to clone. 4. Administrator or Software PoC updates software product information for the new software product. 5. Administrator or Software PoC requests save of information. 6. System verifies all required fields have been entered. 7. System verifies all fields are valid and correctly formatted. 8. System saves information.
Alternative Paths:	1a. Administrator selects to create a software product. • Administrator creates a new software product. (UC03)
Exception Paths:	6a. Required fields are missing. • System displays error message. • Administrator or Software PoC corrects errors. 7a. Fields are invalid or incorrectly formatted. • System displays error message. • Administrator or Software PoC corrects errors.
Extension Points:	None
Trigger:	Administrator or Software PoC selects to clone a software product.
Assumptions:	Software product to clone exists.
Preconditions:	User has been granted access to the System. System validates user as an Administrator or the Software PoC for the software product being cloned.
Postconditions:	Software product information is stored in database.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Jodi Eckstine

Dates:

Status of Use Case	**Date Complete**
Finished	5/2/2006
Focused	5/2/2006
Filled	5/2/2006
Façade	5/2/2006

Use Case Name:	UC05 – Update Software Product
Iteration:	Finished
Goal:	Update a software product.
Summary:	This will allow the Administrator or Software PoC to update an existing software product.
Actors:	Administrator Software PoC System
Basic Course:	1. Administrator or Software PoC selects to update a software product. 2. Administrator or Software PoC searches for a software product. (UC02) 3. Administrator or Software PoC selects software product to update. 4. Administrator or Software PoC updates software product information. 5. Administrator or Software PoC requests save of information. 6. System verifies all required fields have been entered. 7. System verifies all fields are valid and correctly formatted. 8. System saves information.
Alternative Paths:	None
Exception Paths:	6a. Required fields are missing. • System displays error message. • Administrator or Software PoC corrects errors. 7a. Fields are invalid or incorrectly formatted. • System displays error message. • Administrator or Software PoC corrects errors.
Extension Points:	None
Trigger:	Administrator or Software PoC selects to update a software product.
Assumptions:	Software product exists.
Preconditions:	User has been granted access to the System. System validates user as an Administrator or the Software PoC for the software product being updated.
Postconditions:	Software product information is stored in database.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna

Dates:

Status of Use Case	Date Complete
Finished	4/5/2006
Focused	3/29/2006
Filled	3/8/2006
Façade	3/2/2006

Use Case Name:	UC06 – Delete Software Product
Iteration:	Finished
Goal:	Delete an existing software product.
Summary:	This will allow the Administrator or Software PoC to delete an existing software product.
Actors:	Administrator Software PoC System
Basic Course:	1. Administrator or Software PoC selects to delete a software product. 2. Administrator or Software PoC searches for a software product. (UC02) 3. Administrator or Software PoC selects software product to delete. 4. Administrator or Software PoC confirms deletion request. 5. System deletes software product.
Alternative Paths:	4a. Administrator or Software PoC does not confirm deletion request. • System cancels deletion request.
Exception Paths:	5a. Software product is referenced by a software license. • System displays message that the record cannot be deleted.
Extension Points:	None
Trigger:	Administrator or Software PoC selects to delete a software product.
Assumptions:	Software product exists.
Preconditions:	User has been granted access to the System. System validates user as an Administrator or the Software PoC for the software product being deleted.
Postconditions:	Software product is deleted.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Jodi Eckstine

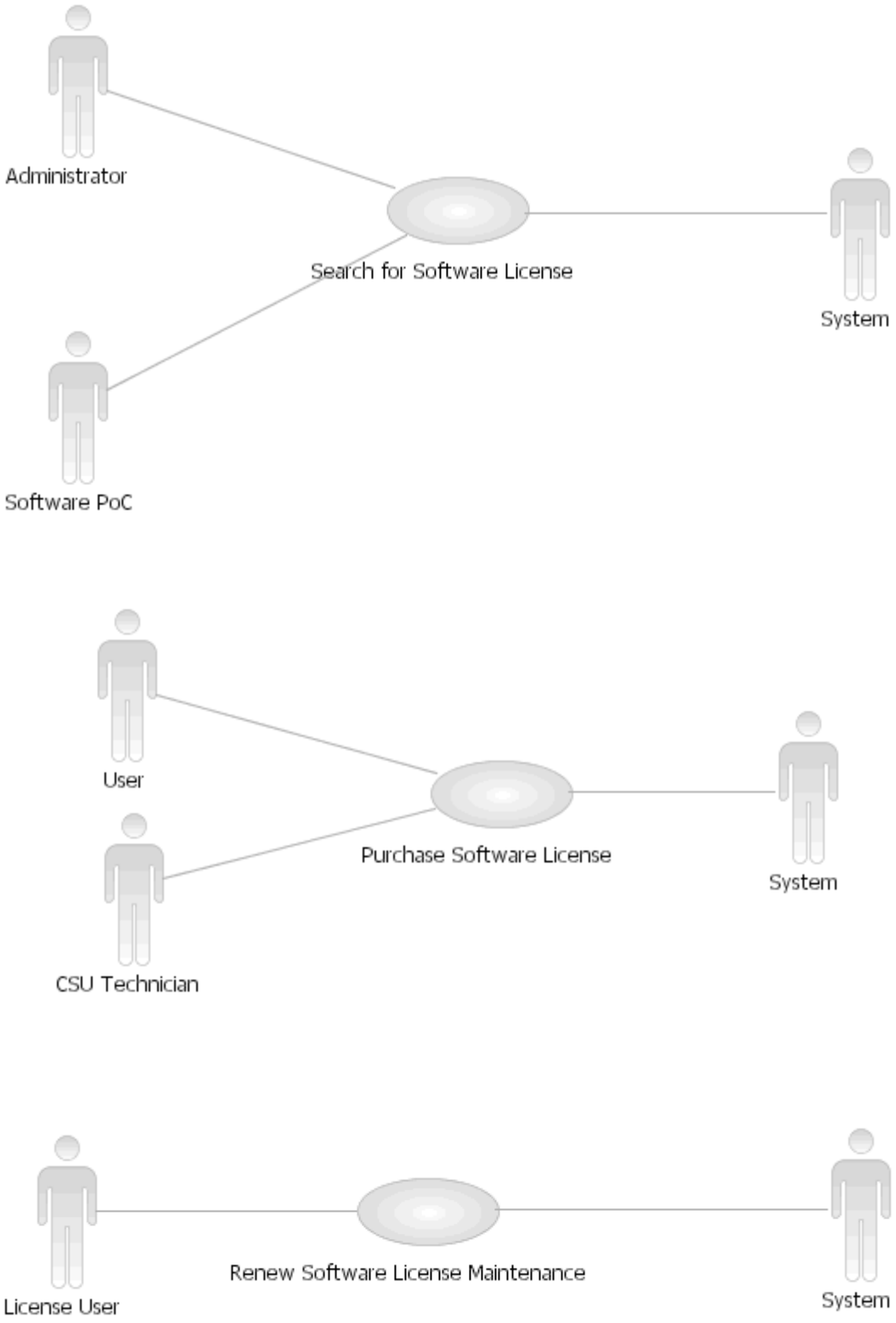
Dates:

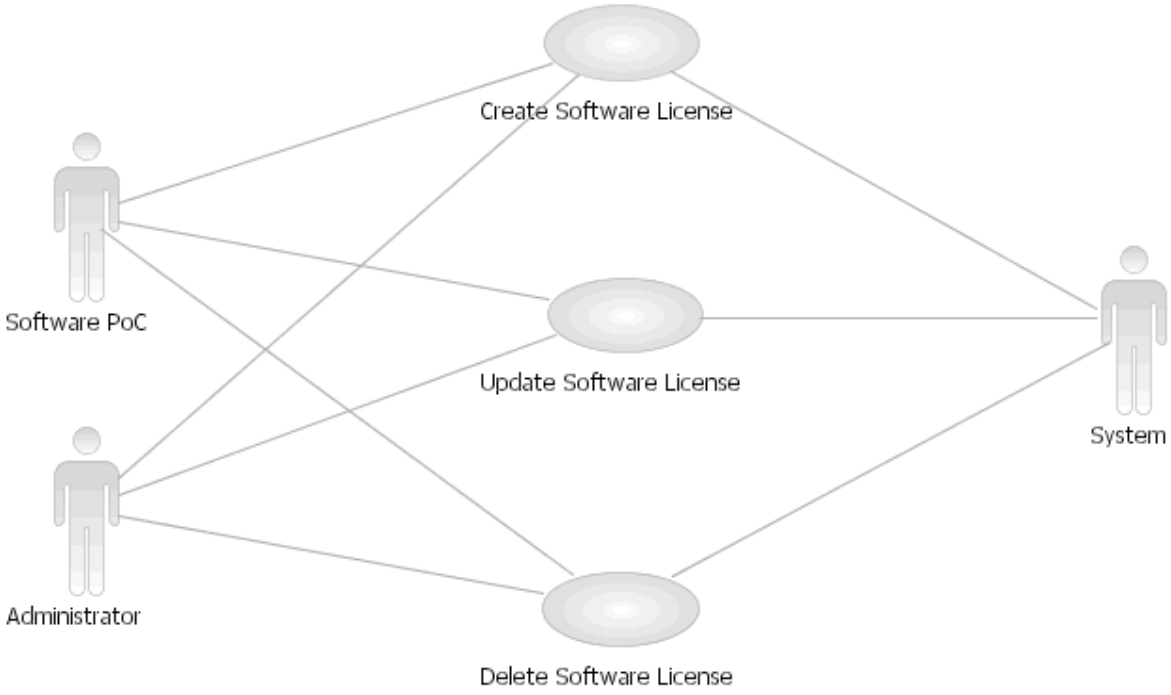
Status of Use Case	Date Complete
Finished	5/2/2006
Focused	5/2/2006
Filled	5/2/2006
Façade	5/2/2006

Use Case Name:	UC07 – Request Software Product
Iteration:	Finished
Goal:	Request a software product.
Summary:	This will allow a user to request a software product that is not available for purchase in the catalog.
Actors:	User • License User • License Owner • Administrator • Software PoC • COE PoC System
Basic Course:	1. User searches for a software product. (UC02) 2. System displays message that no results were found. 3. System displays link if user cannot find desired software product. 4. User clicks link to request software product. 5. System displays software product request. 6. User enters required fields. 7. User submits software product request. 8. System verifies all required fields have been entered. 9. System verifies all fields are valid and correctly formatted. 10. System sends email notification of pending software product request to Administrator. 11. Administrator researches request. 12. Administrator responds to User with further instructions or information.
Alternative Paths:	None
Exception Paths:	2a. System returns list of software products matching the search parameters • User proceeds with purchasing software license for the desired software product. (UC09) 8a. Required fields are missing. • System displays error message. • User corrects errors. 9a. Fields are invalid or incorrectly formatted. • System displays error message. • User corrects errors.
Extension Points:	None
Trigger:	User requests software product not available for purchase.
Assumptions:	Software product is not available for purchase.
Preconditions:	User has been granted access to the System.
Postconditions:	Software product request information is saved in the database. Email is sent to the Administrator.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna
Dates:	**Status of Use Case** / **Date Complete** **Finished** / 4/5/2006 **Focused** / 3/29/2006 **Filled** / 3/8/2006

	Façade	3/2/2006	

Software License




Create Software License
Software PoC
Update Software License
System
Administrator
Delete Software License

Use Case Name:	UC08 – Search for Software License
Iteration:	Finished
Goal:	Search for a software license.
Summary:	This will allow the Administrator or the Software PoC to search for a software license.
Actors:	Administrator Software PoC System
Basic Course:	1. Administrator or Software PoC selects to search for a software license. 2. Administrator or Software PoC enters search parameters. 3. System returns list of software licenses matching the search parameters.
Alternative Paths:	None
Exception Paths:	3a. No software licenses match search parameters entered. • System displays message that no results were found. • Administrator or Software PoC enters new search parameters.
Extension Points:	UC10, UC12, UC13, UC16
Trigger:	Administrator or Software PoC selects to search for software license information.
Assumptions:	Software licenses have been purchased or created.
Preconditions:	User has been granted access to the System. System validates user as an Administrator or the Software PoC for the software product being deleted.
Postconditions:	List of software licenses matching search parameters is displayed for viewing.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Jodi Eckstine
Dates:	**Status of Use Case** / **Date Complete** **Finished** 5/2/2006 **Focused** 5/2/2006 **Filled** 5/2/2006 **Façade** 5/2/2006

Use Case Name:	UC09 – Purchase Software License
Iteration:	Finished
Goal:	Purchase a software license.
Summary:	This will allow a user to purchase a software License.
Actors:	User • License User • License Owner • Administrator • Software PoC • COE PoC CSU Technician Software PoC System
Basic Course:	1. User selects to purchase a software license. 2. User searches for a software product. (UC02) 3. User selects the software product to purchase. 4. User enters the number of software license copies to purchase, P/T, and License Owner. 5. User selects desired software license options. 6. User enters the License User and machine(s) information for each software license. 7. System verifies all required fields have been entered. 8. System verifies all fields are valid and correctly formatted. 9. System displays purchase summary. 10. User confirms purchase. 11. System saves information. 12. System process payment information by sending P/T, recovery activity, and cost to NWIS. 13. System displays purchase confirmation and install instructions. 14. User completes software installation.
Alternative Paths:	3a. User selects to view details for software product. • System displays details about the software product. 3b. Software PoC must complete purchase if software product is controlled by Software PoC. • System notifies Software PoC of a pending purchase request. • Software PoC contacts User. • Software PoC creates software license and includes a cost. (UC11) 10a. User selects to update purchase details. • User reviews purchase details and updates as necessary. 14a. System generates ARS ticket(s) to CSU Technician for installation. • CSU Technician installs software products for User.
Exception Paths:	4a. P/T is not valid. • System displays error message. • User corrects errors. 7a. Required fields are missing. • System displays error message. • User corrects errors. 8a. Fields are invalid or incorrectly formatted. • System displays error message. • User corrects errors.
Extension Points:	None
Trigger:	User selects to purchase a software license.
Assumptions:	Software product exists.

Preconditions:	User has been granted access to the System.		
Postconditions:	Software license has been assigned. Payment information has been processed. Installation process is initiated.		
Business Rules:	See SAM Requirements Document		
Facts or Objects:			
Authors:	Orlando Osuna		
Dates:	**Status of Use Case**	**Date Complete**	
	Finished	4/5/2006	
	Focused	3/29/2006	
	Filled	3/8/2006	
	Façade	3/2/2006	

Use Case Name:	UC10 – Renew Software License Maintenance
Iteration:	Finished
Goal:	Renew software license maintenance.
Summary:	This will allow a License User to renew software license maintenance.
Actors:	License User System
Basic Course:	1. System sends email to License User 1 month before software license maintenance is to expire. 2. License User selects to renew software license maintenance and enters P/T. 3. System validates P/T. 4. System processes payment information by sending P/T, recovery activity, and cost to NWIS. 5. System updates software license maintenance expiration date.
Alternative Paths:	2a. License User does not select to renew software license maintenance and maintenance is required for the software product. • System prompts License User if maintenance not renewed software license must be returned. • License User confirms return of software license. • Enter UC15 at basic course step 3. 2b. License User does not select to renew software license maintenance and maintenance is not required for the software product. • System does not update software license maintenance expiration date.
Exception Paths:	3a. P/T is not valid. • System displays error message. • License User corrects errors.
Extension Points:	None
Trigger:	Licenser User receives email notification of software license maintenance expiration from System.
Assumptions:	Software license exists.
Preconditions:	User has been granted access to the System. System validates user as the License User for the software license being renewed.
Postconditions:	Software license maintenance expiration date is updated.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna
Dates:	**Status of Use Case** / **Date Complete** **Finished** 4/5/2006 **Focused** 3/29/2006 **Filled** 3/8/2006 **Façade** 3/2/2006

Use Case Name:	UC11 – Create Software License
Iteration:	Finished
Goal:	Create a software license.
Summary:	This will allow the Administrator or the Software PoC to create a new software license.
Actors:	Administrator Software PoC System
Basic Course:	1. Administrator or Software PoC selects to create a software license. 2. Administrator or Software PoC searches for the software product. (UC02) 3. Administrator or Software PoC selects the software product to create a license for. 4. Administrator or Software PoC enters required fields. 5. Administrator or Software PoC requests save of information. 6. System verifies all required fields have been entered. 7. System verifies all fields are valid and correctly formatted. 8. System saves information.
Alternative Paths:	1a. Administrator or Software PoC selects to purchase a software license. • Administrator or Software PoC purchases a software license. (UC09) 4a. Administrator or Software PoC flags the software license as a library license. • The software license is flagged as a library license and is available in the library. (UC17) Administrator or Software PoC enters a cost and a P/T. • System processes payment information by sending P/T, recovery activity, and cost to NWIS
Exception Paths:	6a. Required fields are missing. • System displays error message. • Administrator or Software PoC corrects errors. 7a. Fields are invalid or incorrectly formatted. • System displays error message. • Administrator or Software PoC corrects errors.
Extension Points:	None
Trigger:	Administrator or Software PoC selects to create a software license.
Assumptions:	Software product exists.
Preconditions:	User has been granted access to the System. System validates user as an Administrator or the Software PoC for the software license being created.
Postconditions:	Software license information is stored in database and is available in queries.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna

Dates:

Status of Use Case	**Date Complete**
Finished	4/5/2006
Focused	3/29/2006
Filled	3/8/2006
Façade	3/2/2006

Use Case Name:	UC12 – Update Software License
Iteration:	Finished
Goal:	Update software license.
Summary:	This will allow the Administrator or the Software PoC to update an existing software license.
Actors:	Administrator Software PoC System
Basic Course:	1. Administrator or Software PoC selects to update a software license. 2. Administrator or Software PoC searches for a software license. (UC08) 3. Administrator or Software PoC selects software license to update. 4. Administrator or Software PoC updates software license information. 5. Administrator or Software PoC requests save of information. 6. System verifies all required fields have been entered. 7. System verifies all fields are valid and correctly formatted. 8. System saves information.
Alternative Paths:	4a. Administrator or Software PoC flags the software license as a library license. • The software license is flagged as a library license and is available in the library. (UC17)
Exception Paths:	6a. Required fields are missing. • System displays error message. • Administrator or Software PoC corrects errors. 7a. Fields are invalid or incorrectly formatted. • System displays error message. • Administrator or Software PoC corrects errors.
Extension Points:	None
Trigger:	Administrator or Software PoC selects to update a software license.
Assumptions:	Software license exists.
Preconditions:	User has been granted access to the System. System validates user as an Administrator or the Software PoC for the software license being created.
Postconditions:	Software license information is stored in the database.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Jodi Eckstine

Dates:

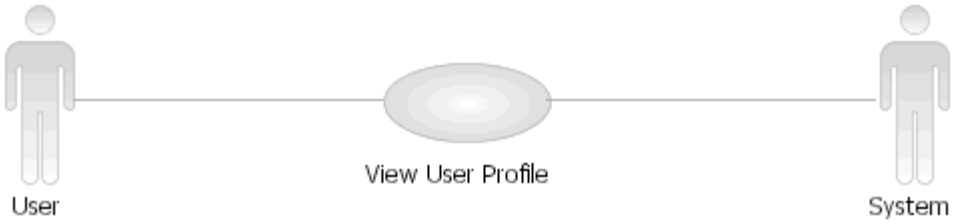
Status of Use Case	Date Complete
Finished	5/3/2006
Focused	5/3/2006
Filled	5/3/2006
Façade	5/3/2006

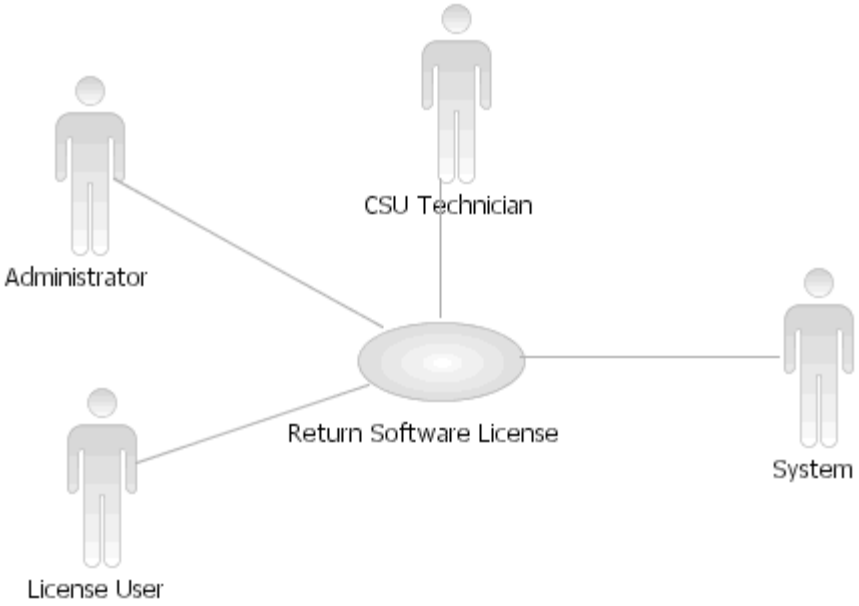
Use Case Name:	UC13 – Delete Software License
Iteration:	Finished
Goal:	Delete an existing software license.
Summary:	This will allow the Administrator or Software PoC to delete an existing software license.
Actors:	Administrator Software PoC System
Basic Course:	1. Administrator or Software PoC selects to delete a software license. 2. Administrator or Software PoC searches for a software license. (UC08) 3. Administrator or Software PoC selects software license to delete. 4. Administrator or Software PoC confirms deletion request. 5. System deletes software license.
Alternative Paths:	4a. Administrator or Software PoC does not confirm deletion request. • System cancels deletion request.
Exception Paths:	None
Extension Points:	None
Trigger:	Administrator or Software PoC selects to delete a software license.
Assumptions:	Software license exists.
Preconditions:	User has been granted access to the System. System validates user as an Administrator or the Software PoC for the software license being deleted.
Postconditions:	Software license is deleted.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Jodi Eckstine

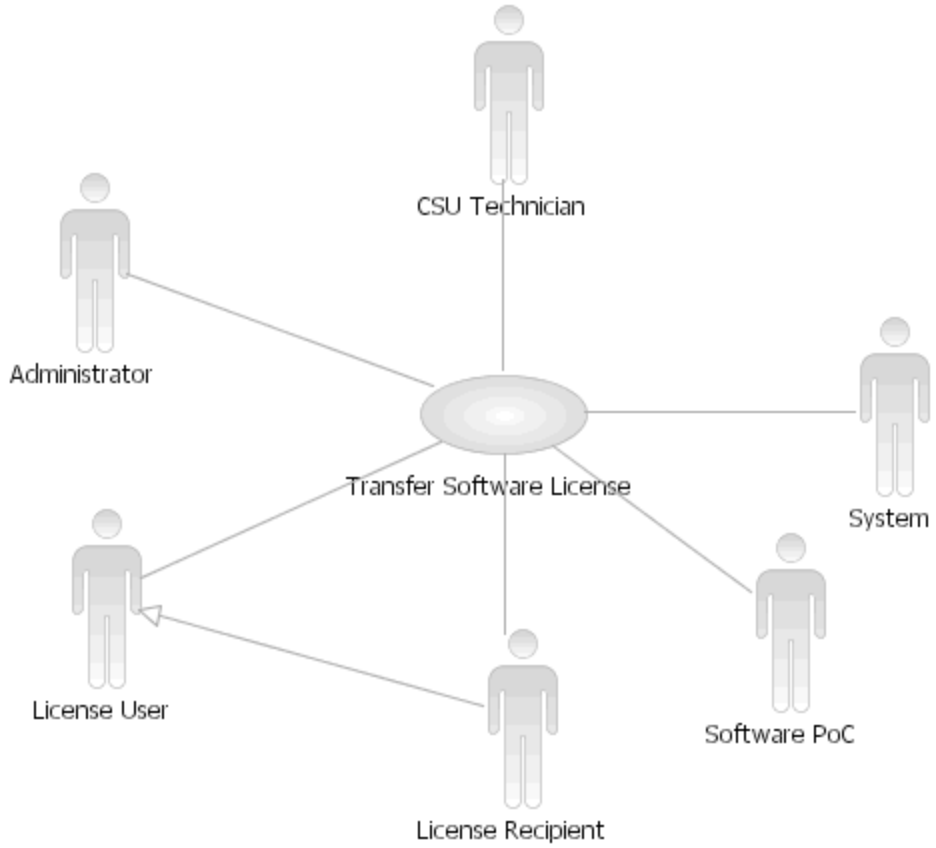
Dates:

Status of Use Case	Date Complete
Finished	5/2/2006
Focused	5/2/2006
Filled	5/2/2006
Façade	5/2/2006

User Profile






CSU Technician
Administrator
Transfer Software License
System
License User
Software PoC
License Recipient

Use Case Name:	UC14 – View User Profile
Iteration:	Finished
Goal:	View user profile.
Summary:	This will allow a user to view a user profile including the machines owned by the user, the software licenses recorded for those machines, and the uninstalled software licenses the user is the License User for.
Actors:	User • License User • License Owner • Administrator • Software PoC • COE PoC System
Basic Course:	1. User selects to view user profile. 2. System displays user profile for the logged on user.
Alternative Paths:	2a. User selects to lookup the user profile for another user. • System displays person lookup. • User enters person search criteria. • Systems displays list of users matching search criteria. • User selects user to view user profile for. • System displays user profile for selected user.
Exception Paths:	None
Extension Points:	UC15, UC16, UC19
Trigger:	User selects to view a user profile.
Assumptions:	User selected for user profile owns a machine and is a License User for at least one software license.
Preconditions:	User has been granted access to the System.
Postconditions:	User machines and software licenses are displayed for viewing.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna

Dates:

Status of Use Case	Date Complete
Finished	4/5/2006
Focused	3/29/2006
Filled	3/8/2006
Façade	3/2/2006

Use Case Name:	UC15 – Return Software License
Iteration:	Finished
Goal:	Return software license.
Summary:	This will allow the License User or Administrator to return a software license to the available pool of software licenses for a possible refund.
Actors:	License User Administrator CSU Technician System
Basic Course:	1. License User or Administrator views user profile. (UC14) 2. License User or Administrator selects to return a software license. 3. System prompts user to enter a P/T for processing of refund. 4. License User or Administrator enters P/T and confirms return. 5. System validates P/T. 6. System clears software license assignment information. 7. System process payment information by sending P/T, recovery activity, and cost to NWIS. 8. System displays return confirmation and uninstall instructions. 9. License User or Administrator completes software product uninstallation.
Alternative Paths:	3a. System does not find a refund amount for the returned software license. • License User or Administrator confirms return. • System clears software license assignment information. • Re-enter basic course at step 8. 9a. System generates ARS ticket to CSU Technician for uninstallation. • CSU Technician uninstalls software products for User.
Exception Paths:	5a. P/T is not valid. • System displays error message. • License User or Administrator corrects errors.
Extension Points:	None
Trigger:	License User or Administrator selects to return a software license.
Assumptions:	User selected for user profile owns a machine and is a License User for at least one software license.
Preconditions:	User has been granted access to the System. System validates user as an Administrator or the License User for the software license being returned.
Postconditions:	Software license has been unassigned. Payment information has been processed if there is a refund. Uninstallation process is initiated.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna

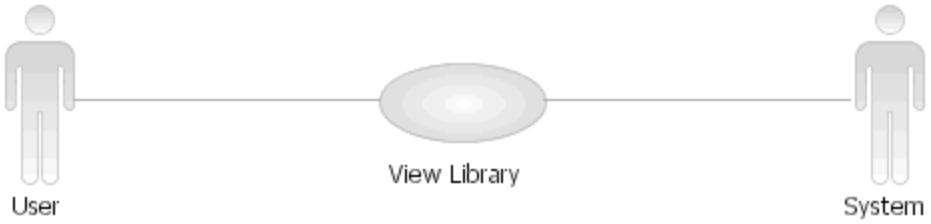
Dates:

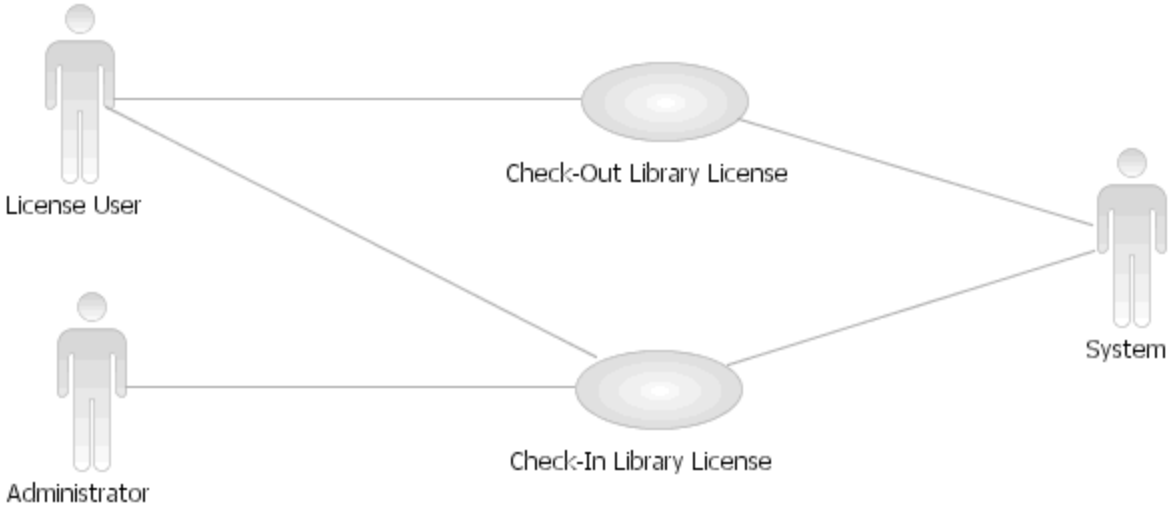
Status of Use Case	Date Complete
Finished	4/5/2006
Focused	3/29/2006
Filled	3/8/2006
Façade	3/2/2006

Use Case Name:	UC16 – Transfer Software License
Iteration:	Finished
Goal:	Transfer software license.
Summary:	This will allow the License User or Administrator to transfer a software license from one user to another.
Actors:	License User License Recipient Administrator Software PoC CSU Technician System
Basic Course:	1. License User views user profile. (UC14) 2. License User selects to transfer a software license. 3. License User selects License Recipient to transfer software license to. 4. License User confirms transfer. 5. System sends email to License Recipient. 6. License Recipient accepts transfer of software license. 7. License Recipient selects machine(s) for installation. 8. System reassigns user and machine information. 9. System displays transfer confirmation and install instructions to License Recipient. 10. License Recipient completes software product installation. 11. System emails License User notification of transfer acceptance. 12. System displays uninstall instructions to License User. 13. License User completes software product uninstallation.
Alternative Paths:	1a. Administrator or Software PoC manually completes transfer. • Administrator or Software PoC selects to transfer a software license. • Administrator or Software PoC searches for a software license. (UC08) • Administrator or Software PoC selects software license to transfer. • Administrator or Software PoC selects License Recipient and machine. • Administrator or Software PoC saves software license information. • System notifies License User and License Recipient. 6a. License Recipient declines transfer. • System emails License User notification of transfer decline. 10a. System generates ARS ticket to CSU Technician for installation. • CSU Technician installs software products for User. 13a. System generates ARS ticket to CSU Technician for uninstallation. • CSU Technician uninstalls software products for User.
Exception Paths:	None
Extension Points:	None
Trigger:	License User or Administrator selects to transfer a software license.
Assumptions:	User selected for user profile owns a machine and is a License User for at least one software license.
Preconditions:	User has been granted access to the System. System validates user as an Administrator or the License User for the software license being transferred.
Postconditions:	Software license has been reassigned. Installation and uninstallation processes are initiated.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna

	Status of Use Case	Date Complete	
Dates:	**Finished**	4/5/2006	
	Focused	3/29/2006	
	Filled	3/8/2006	
	Façade	3/2/2006	

Library


User
View Library
System


License User
Check-Out Library License
System
Administrator
Check-In Library License

Use Case Name:	UC17 – View Library
Iteration:	Finished
Goal:	View library.
Summary:	This will allow a user to view library licenses available for check-out.
Actors:	User • License User • License Owner • Administrator • Software PoC • COE PoC System
Basic Course:	1. User selects to view library. 2. User searches for a software product. (UC02) 3. System returns list of library licenses available for check-out matching the search parameters.
Alternative Paths:	None
Exception Paths:	3a. No library licenses available for check-out match search parameters entered. • System displays message that no results were found. • User enters new search parameters.
Extension Points:	UC18
Trigger:	User selects to view library.
Assumptions:	Library licenses are available.
Preconditions:	User has been granted access to the System.
Postconditions:	List of library licenses available for check-out matching search parameters is displayed for viewing.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna

Dates:

Status of Use Case	Date Complete
Finished	4/5/2006
Focused	3/29/2006
Filled	3/8/2006
Façade	3/2/2006

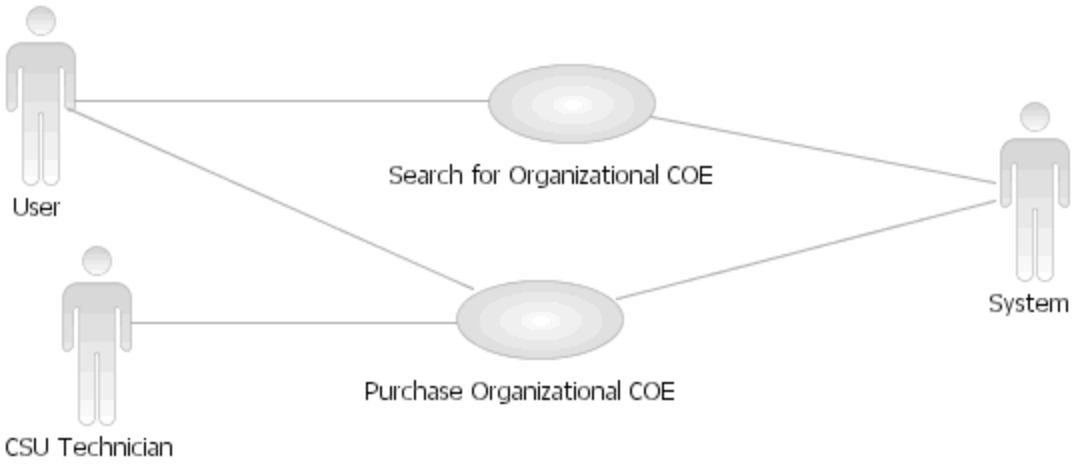
Use Case Name:	UC18 – Check-Out Library License
Iteration:	Finished
Goal:	Check-out library license.
Summary:	This will allow the License User to check-out an available library license.
Actors:	License User System
Basic Course:	1. License User views library. (UC17) 2. License User selects to check-out a library license. 3. License User confirms check-out. 4. System assigns library license to the logged on user and machine and records the check-out date. 5. System displays check-out confirmation and install instructions. 6. License User completes software product installation.
Alternative Paths:	None
Exception Paths:	None
Extension Points:	None
Trigger:	License User selects to check-out a library license.
Assumptions:	A library license is available to check-out.
Preconditions:	User has been granted access to the System.
Postconditions:	Library license has been checked-out and is unavailable. Installation process is initiated.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Jodi Eckstine
Dates:	**Status of Use Case** / **Date Complete** **Finished** / 5/3/2006 **Focused** / 5/3/2006 **Filled** / 5/3/2006 **Façade** / 5/3/2006

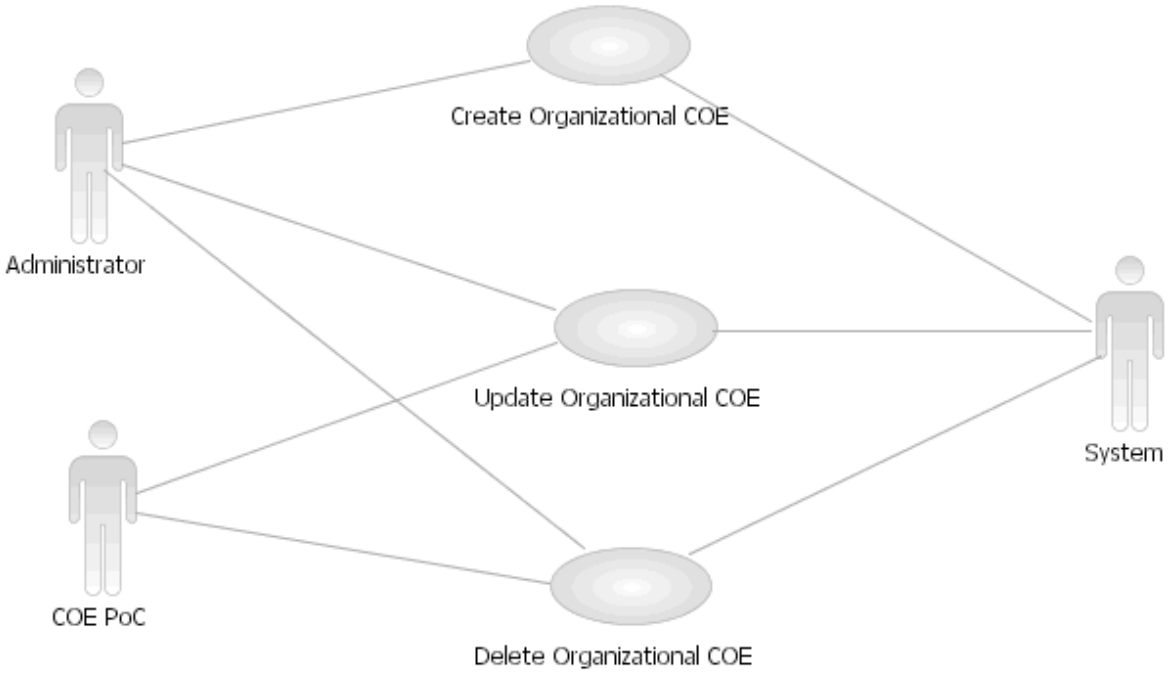
Use Case Name:	UC19 – Check-In Library License
Iteration:	Finished
Goal:	Check-in library license.
Summary:	This will allow the License User or Administrator to check-in a library license that has been rented.
Actors:	License User Administrator System
Basic Course:	1. License User or Administrator views user profile. (UC14) 2. License User or Administrator selects to check-in a library license. 3. System displays rental cost and prompts user to enter a P/T. 4. License User or Administrator enters P/T and confirms check-in. 5. System validates P/T. 6. System clears library license assignment information. 7. System process payment information by sending P/T, recovery activity, and cost to NWIS. 8. System displays check-in confirmation and uninstall instructions. 9. License User or Administrator completes software product uninstallation.
Alternative Paths:	None
Exception Paths:	5a. P/T is not valid. • System displays error message. • License User or Administrator corrects errors.
Extension Points:	None
Trigger:	License User or Administrator selects to check-in a library license.
Assumptions:	License User checked-out a library license.
Preconditions:	User has been granted access to the System. System validates user as an Administrator or the License User for the library license being checked-in.
Postconditions:	Library license has been checked-in and is available. Payment information has been processed. Uninstallation process is initiated.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Jodi Eckstine

Dates:

Status of Use Case	Date Complete
Finished	5/3/2006
Focused	5/3/2006
Filled	5/3/2006
Façade	5/3/2006

Organizational COE





Use Case Name:	UC20 – Search for Organizational COE
Iteration:	Finished
Goal:	Search for organizational COE information.
Summary:	This will allow a user to search for organizational COE information.
Actors:	User • License User • License Owner • Administrator • Software PoC • COE PoC System
Basic Course:	1. User selects to search for organizational COE. 2. User enters search parameters. 3. System returns list of organizational COEs matching the search parameters.
Alternative Paths:	None
Exception Paths:	3a. No organizational COEs match search parameters entered. • System displays message that no results were found. • User enters new search parameters.
Extension Points:	UC21, UC23, UC24
Trigger:	User selects to search for organizational COE information.
Assumptions:	Organizational COE has been created.
Preconditions:	User has been granted access to the System.
Postconditions:	List of organizational COEs matching search parameters is displayed for viewing.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna

Dates:

Status of Use Case	Date Complete
Finished	4/5/2006
Focused	3/29/2006
Filled	3/8/2006
Façade	3/2/2006

Use Case Name:	UC21 – Purchase Organizational COE
Iteration:	Finished
Goal:	Purchase an organizational COE.
Summary:	This will allow a user to purchase an organizational COE. The user can select the software from the organizational COE for purchase.
Actors:	User • License User • License Owner • Administrator • Software PoC • COE PoC CSU Technician System
Basic Course:	1. User selects to purchase an organizational COE. 2. User searches for an organizational COE. (UC20) 3. User selects the organizational COE to purchase. 4. User enters the License User, License Owner, and the P/T. 5. User selects and/or unselects software products included in the organizational COE. 6. User selects machine(s) for software license installation. 7. User requests purchase of selected software products. 8. System verifies all required fields have been entered. 9. System verifies all fields are valid and correctly formatted. 10. System displays purchase confirmation. 11. User confirms purchase request. 12. System saves information. 13. System process payment information by sending P/T, recovery activity, and cost to NWIS. 14. System displays purchase confirmation and install instructions. 15. User completes software installation.
Alternative Paths:	3a. User selects to view details for the organizational COE. • System displays details about the organizational COE. 3b. User selects to email the COE PoC for the organizational COE. • System displays email to the COE PoC for the User to complete and send. 15a. System generates ARS ticket(s) to CSU Technician for installation. • CSU Technician installs software products for User.
Exception Paths:	4a. P/T is not valid. • System displays error message. • User corrects errors. 8a. Required fields are missing. • System displays error message. • User corrects errors. 9a. Fields are invalid or incorrectly formatted. • System displays error message. • User corrects errors.
Extension Points:	None
Trigger:	User selects to purchase an organizational COE.
Assumptions:	Organizational COE exists.
Preconditions:	User has been granted access to the System.
Postconditions:	Software licenses have been assigned. Payment information has been processed. Installation process is initiated.

Business Rules:	See SAM Requirements Document		
Facts or Objects:			
Authors:	Orlando Osuna		
Dates:	**Status of Use Case**	**Date Complete**	
	Finished		
	Focused	3/29/2006	
	Filled	3/8/2006	
	Façade	3/2/2006	

Use Case Name:	UC22 – Create Organizational COE
Iteration:	Finished
Goal:	Create an organizational COE.
Summary:	This will allow the Administrator to create a new organizational COE. The Administrator can add software products to be included in the organizational COE.
Actors:	Administrator System
Basic Course:	1. Administrator selects to create an organizational COE. 2. Administrator enters required fields. 3. Administrator searches for software products. (UC02) 4. Administrator selects the software products to add to the organizational COE. 5. Administrator requests save of information. 6. System verifies all required fields have been entered. 7. System verifies all fields are valid and correctly formatted. 8. System saves information.
Alternative Paths:	None
Exception Paths:	6a. Required fields are missing. • System displays error message. • Administrator or Software PoC corrects errors. 7a. Fields are invalid or incorrectly formatted. • System displays error message. • Administrator or Software PoC corrects errors.
Extension Points:	None
Trigger:	SAM Administrator selects to create a new organizational COE.
Assumptions:	None
Preconditions:	User has been granted access to the System. System validates user as an Administrator.
Postconditions:	Organizational COE information is stored in database and is available for purchase and in queries.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna

Dates:

Status of Use Case	Date Complete
Finished	4/5/2006
Focused	3/29/2006
Filled	3/8/2006
Façade	3/2/2006

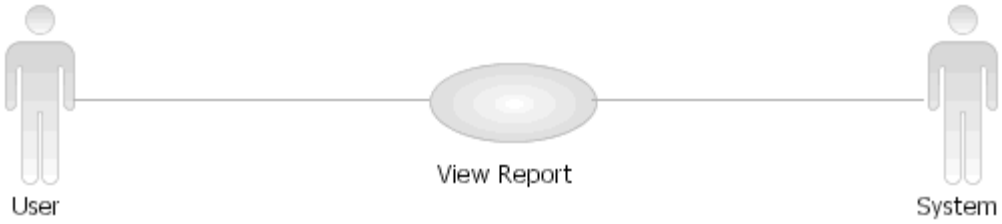
Use Case Name:	UC23 – Update Organizational COE
Iteration:	Finished
Goal:	Update an organizational COE.
Summary:	This will allow the Administrator or COE PoC to update an existing organizational COE. The Administrator or COE PoC can add and remove software products to be included in the organizational COE.
Actors:	Administrator COE PoC System
Basic Course:	1. Administrator or COE PoC selects to update an organizational COE. 2. Administrator or COE PoC searches for an organizational COE. (UC20) 3. Administrator or COE PoC selects organizational COE to update. 4. Administrator or COE PoC updates organizational COE information. 5. Administrator or COE PoC removes software products from the organizational COE. 6. Administrator searches for software products. (UC02) 7. Administrator or COE PoC adds software products to the organizational COE. 8. Administrator or COE PoC requests save of information. 9. System verifies all required fields have been entered. 10. System verifies all fields are valid and correctly formatted. 11. System saves information.
Alternative Paths:	None
Exception Paths:	5a. Administrator or COE PoC removes all software products from the organizational COE. • System displays error message. • Administrator or COE PoC adds at least one software product to the organizational COE. 9a. Required fields are missing. • System displays error message. • Administrator or COE PoC corrects errors. 10a. Fields are invalid or incorrectly formatted. • System displays error message. • Administrator or COE PoC corrects errors.
Extension Points:	None
Trigger:	Administrator or COE PoC selects to update an organizational COE.
Assumptions:	Organizational COE exists.
Preconditions:	User has been granted access to the System. System validates user as an Administrator or the COE PoC for the organizational COE being updated.
Postconditions:	Organizational COE information is stored in database.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna
Dates:	**Status of Use Case** / **Date Complete** **Finished** 4/5/2006 **Focused** 3/29/2006 **Filled** 3/8/2006 **Façade** 3/2/2006

Use Case Name:	UC24 – Delete Organizational COE
Iteration:	Finished
Goal:	Delete an existing organizational COE.
Summary:	This will allow the Administrator or COE PoC to delete an existing organizational COE.
Actors:	Administrator COE PoC System
Basic Course:	1. Administrator or COE PoC selects to delete an organizational COE. 2. Administrator or COE PoC searches for an organizational COE. (UC20) 3. Administrator or COE PoC selects organizational COE to delete. 4. Administrator or COE PoC confirms deletion request. 5. System deletes organizational COE.
Alternative Paths:	4a. Administrator or COE PoC does not confirm deletion request. • System cancels deletion request.
Exception Paths:	None
Extension Points:	None
Trigger:	Administrator or COE PoC selects to delete an organizational COE.
Assumptions:	Organizational COE exists.
Preconditions:	User has been granted access to the System. System validates user as an Administrator or the COE PoC for the organizational COE being deleted.
Postconditions:	Organizational COE is deleted.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Jodi Eckstine

Dates:

Status of Use Case	Date Complete
Finished	5/2/2006
Focused	5/2/2006
Filled	5/2/2006
Façade	5/2/2006

Report

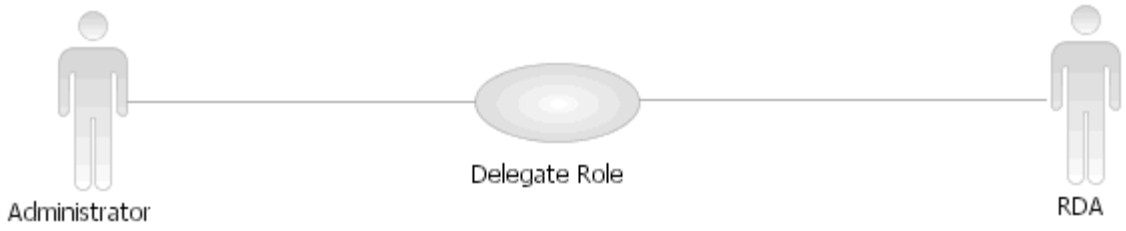


Use Case Name:	UC25 – View Report
Iteration:	Finished
Goal:	Provide reports for users.
Summary:	This will allow users to obtain the information they require in an easily accessible format.
Actors:	User • License User • License Owner • Administrator • Software PoC • COE PoC System
Basic Course:	1. User selects report menu. 2. User selects report to run. 3. User enters query parameters. 4. System generates selected report.
Alternative Paths:	None
Exception Paths:	4a. No records match the report and query parameters. • System displays message that no results were found. • User selects new report.
Extension Points:	None
Trigger:	User selects to generate a report.
Assumptions:	None
Preconditions:	User has been granted access to the System. System validates user has permission to generate the selected report.
Postconditions:	Selected report is generated.
Business Rules:	See SAM Requirements Document
Facts or Objects:	
Authors:	Orlando Osuna

Dates:

Status of Use Case	Date Complete
Finished	4/5/2006
Focused	3/29/2006
Filled	3/8/2006
Façade	3/2/2006

Delegate Role



Use Case Name:	UC26 – Delegate Role
Iteration:	Finished
Goal:	Delegate role through RDA to another individual so that individual can perform functions of role.
Summary:	This will allow the Administrator to set up a delegate. That delegate will be able to perform the same functions in the system the Administrator can.
Actors:	Administrator RDA
Basic Course:	1. Administrator accesses the RDA system. 2. Administrator selects to add a new delegate. 3. Administrator searches for delegate name. 4. RDA returns list of delegates from which to select. 5. Administrator selects delegate name. 6. Administrator enters start and end date for delegation. 7. Administrator selects delegation type. 8. Administrator requests save of information. 9. RDA verifies all required fields have been entered. 10. RDA verifies all fields are correctly formatted. 11. RDA saves information.
Alternative Paths:	2a. Administrator selects to update an existing delegate. • Administrator updates delegation start and end date information. • Reenter basic course at step 8. 2b. Administrator selects to delete an existing delegate. • Administrator selects delegate to delete. • System deletes delegate.
Exception Paths:	4a. No delegates are returned in search results. • RDA displays message that no results were found. • Administrator enters new query criteria. 9a. Required fields are missing. • RDA displays error message. • Administrator corrects errors. 10a. Fields are incorrectly formatted. • RDA displays error message. • Administrator corrects errors.
Extension Points:	None
Trigger:	Administrator accesses Roles and Delegation of Authority (RDA) system.
Assumptions:	Administrator has a role in the system that can be delegated.
Preconditions:	RDA validates user as a Administrator.
Postconditions:	Delegate is able to perform all functions of delegator.
Business Rules:	See SAM Requirements Document
Facts or Objects:	None – All facts/objects in RDA system.
Authors:	Orlando Osuna
Dates:	**Status of Use Case** / **Date Complete** **Finished** / 4/5/2006 **Focused** / 3/29/2006 **Filled** / 3/8/2006 **Façade** / 3/2/2006