

1. SYSTEM OVERVIEW

License Management System (LMS) aims to help the IT department of Ernst & Young Turkey to keep track of software license related operations in an effective and efficient way. IT Department will have a deep and clear knowledge of their license status for each software program used in the company and therefore they will be able to make necessary managerial decision in a much more easy way.

For instance, they will easily find out when the expiry date is for each software, how many user can use the every software program and warns the IT department when the maximum user quota is reached hence there will not be any legal problems faced by the company. What is more, by the help of LMS, IT department will know which users need to be installed which programs just in a few clicks. Depending on the title or department of the user, related software list will appear with their status for specific user, in other words, whether this program has been installed to the user or not. This will also be very convenient when a new employee starts to work in Ernst & Young, or if the PC of a current employee is collapsed, there will be no confusion which software must be installed into their PCs etc.

Keeping the records of the installations in the LMS will make it very easy to perform the uninstallations, for example when the expiry date has reached or when the user's department or title has changed. The current users of the related program can be retrieved from LMS records and uninstallation will be done without being have to ask everyone in the company whether this software has been installed into their PCs or not.

Furthermore, LMS will provide better and more effective communication both within the company and between external parties. Parties involved in LMS are Human Resources Department, IT Department, Employee (any employee that uses software program), Ernst & Young International Office, and Vendor. HR department and IT department are especially are at the center of the system.

Ernst & Young International Office sends Licensed Program List to Ernst & Young Turkey every month which includes the information of software installation quotas and expiry dates. IT Department enters or updates related software information in LMS using that list. Also when software training needs to be accomplished for the users, HR department communicates with the vendor for the training and obtains schedule alternatives for training to occur and requests users to choose the best alternative from them. Hence using the LMS, HR department can easily contact with necessary users with minimum effort. This effective communication takes place between IT department and the user when an installation or uninstallation needs to be performed. IT department can easily see which user need that and can communicate with them using LMS. Therefore, they use LMS in arranging their meetings for installation and uninstallation times so both employees and IT department do not disturb each other regarding the mentioned issues, planning can be done very effectively, and usage of time and effort are minimized. Besides, IT department sends Quarterly Licensed Software Installation Report to Ernst & Young International Office. This report indicates which programs used in which departments and how many users have been installed the programs. IT department may also advice to purchase some other programs to be used in the company.

When LMS is completed, Ernst & Young Turkey will perform its license tracking and management operations in much faster and economical way. Communication and planning cost for necessary software training, arranging installation and uninstallation meetings will be minimized and enhanced. Quarterly Licensed Software Installation Report to Ernst & Young International Office will be complete and consistent. What is more, the company will not have to bear any legal punishment regarding the license of software issue.

2. USER REQUIREMENTS

In this section, descriptions of the services provided by the LMS, in order to satisfy the needs of Ernst & Young Turkey in management of the license software, are identified. These are functional requirements which specify what LMS will implement.

The requirements are explained according to what each party in the LMS can perform after user authentication in login of the system. The system will understand the person from the UserID and Password, and will display the permitted and available operations accordingly.

1) HR Department Staff Login to the LMS

Requirement No	Requirement Description	Requirement Priority
1.1	HR Department Staff shall add a new employee	2
1.2	HR Department Staff shall view current employees	2
1.3	HR Department Staff shall search an employee	2
1.4	HR Department Staff shall send an employment notification message to IT department	1
1.5	HR Department Staff shall view each employee's training history	1
1.6	HR Department Staff shall update the working status of employees (working, on holiday, left the job etc.)	2
1.7	HR Department Staff shall update the personal information of employees (title, department, address, telephone etc.)	2
1.8	HR Department Staff shall view all trainings data (regarding to past, current and future trainings.)	1
1.9	HR Department Staff shall approve or reject a training program (for instance, if budget constraints seems to occur etc.)	1
1.10	HR Department Staff shall cancel current or future training program (for example, if employees do not like the training or if Ernst & Young Turkey or the vendor cancels the agreement etc.)	1
1.11	HR Department Staff shall see participants of each training session	1
1.12	HR Department Staff shall change the details of trainings (place, time of training etc.)	1
1.13	HR Department Staff shall inform the participants of specified training	1
1.14	HR Department Staff shall enter the training information (place, section, time etc.)	1
1.16	HR Department Staff shall add a new vendor	2
1.17	HR Department Staff shall update vendor details	2

2) IT Department Staff Login to the LMS

Requirement No	Requirement Description	Requirement Priority
2.1	IT Department Staff shall enter a new licensed software details (software name, release date, maximum user quota, purchase date, expiry date etc.)	1
2.2	IT Department Staff shall see the available licensed software list	1
2.3	IT Department Staff shall see the past licensed software list	1
2.4	IT Department Staff shall update the current licensed software details (maximum user quota, expiry date etc.)	1
2.5	IT Department Staff shall change the status of the software (available, not available any more etc.)	1
2.6	IT Department Staff shall view current users of specific software	1
2.7	IT Department Staff shall see each department's required software list (for instance which programs must be installed to an employee in Marketing Department etc.)	1
2.8	IT Department Staff shall see each position's required software list (for instance, which programs must be used by the CEO etc.)	1
2.9	IT Department Staff shall open a new user account	2
2.10	IT Department Staff shall view the user profile	2
2.11	IT Department Staff shall find out expired software's users	1
2.12	IT Department Staff shall change the user accounts details (password, account status, close date etc.)	2
2.13	IT Department Staff shall request an installation / uninstallation appointment time	1
2.14	IT Department Staff shall view both installation and uninstallation appointments	1
2.16	IT Department Staff shall determine who will attend which training	1
2.17	IT Department Staff sends shall send training participant list to HR department	1
2.18	IT Department Staff shall enter installation details	1
2.19	IT Department Staff shall prepare quarterly license installation report (How many times software has been installed, which departments used the software etc.)	1
2.20	IT Department Staff shall request users to evaluate software they used	2

3) An Employee from another Department Logins to the LMS

Requirement No	Requirement Description	Requirement Priority
3.1	Employee shall request software installation from IT department	1
3.2	Employee shall see current software list of the company	1
3.3	Employee shall send message to IT department (for software evaluation, appointment request etc.)	2
3.4	Employee shall select suitable software training section to attend	1

3. GLOSSARY

Employment Notification Message: When a new employee starts to work at Ernst & Young Turkey, HR Department will send this message to IT Department so the PC of the new employee will have required software installed to his/her PC. Required software varies according to department and the position (title) of the new employee.

Installation / Uninstallation Appointment: The date and time to perform installation / uninstallation. IT department may request for an employee to give an uninstallation appointment if the license of software has expired, or an employee may request an installation appointment from the IT Department for software that he/she would like to use etc.

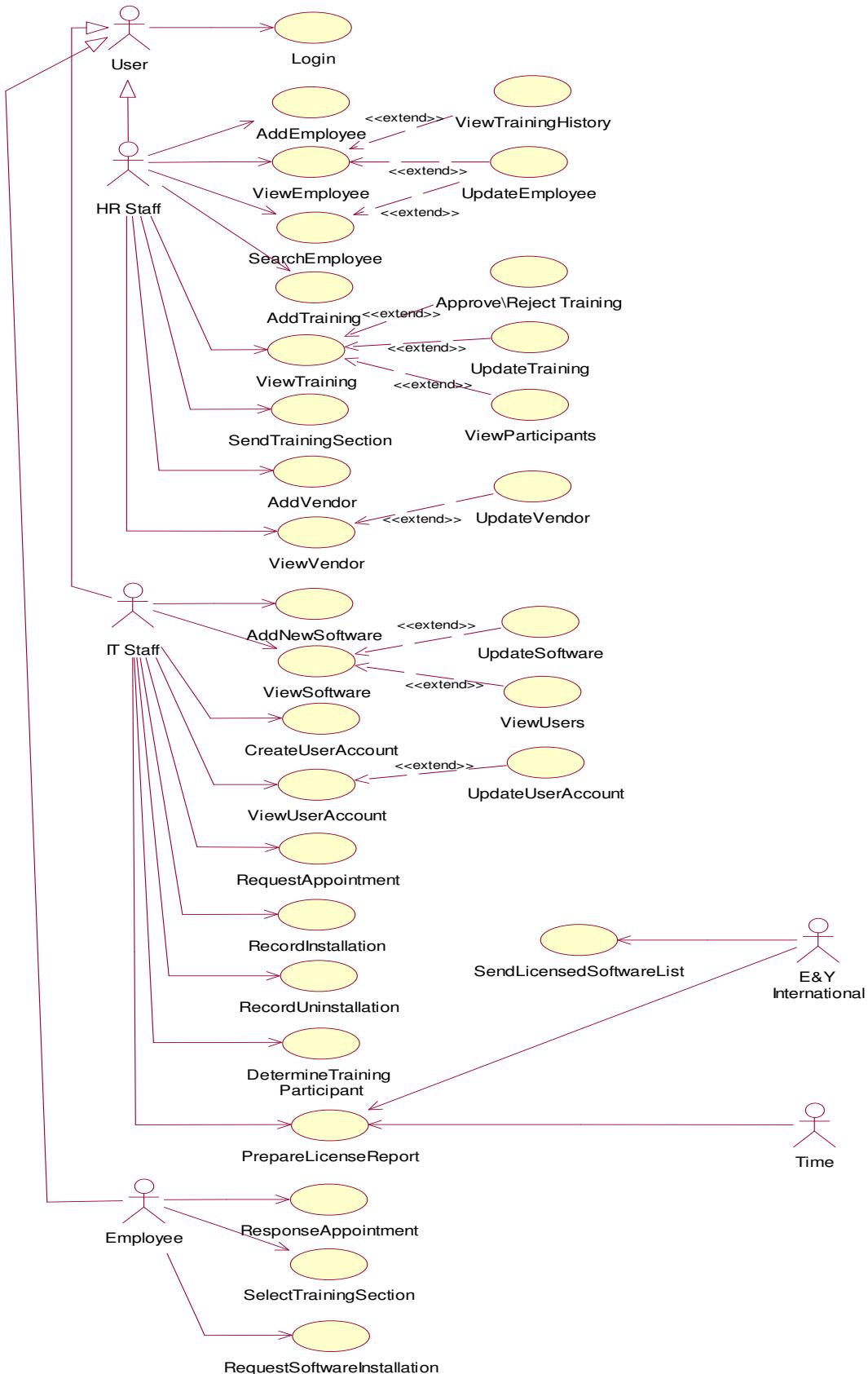
Quarterly License Installation Report: The report that needs to be send to EY International Office by IT Department in Turkey at the end of every three months. The report shows how many times software has been installed, which departments used the software, how many users are currently using the software, the users' evaluation of software etc.

Requirement Priority: Indicates the importance of the requirement that needs to be accomplished by LMS. (1- Extremely Important, 5- Not At All Important)

Training: Activity of teaching employees the vocational, technical or practical issues of a new software or a new version of the software that they have been using.

Vendor: The developer company of the software. In LMS, vendor provides its corporate data such as corporate name, address, telephone, contact person, training instructors, purchased software list etc. and HR Department Staff enters these data into LMS. Also vendor provides training details of its software like possible training dates and times, the instructor who gives the training etc.

4. LICENSE MANAGEMENT SYSTEM USE CASE DIAGRAM



5. USE CASE SPECIFICATION of LICENSE MANAGEMENT SYSTEM

Use Case: Login	
ID: 1	
Description: Describes the process when the users log on to the system.	
Primary Actor(s): HR Staff, IT Staff, Employee (Abstract Actor: User)	
Secondary Actor(s): -	
Preconditions: The User is not logged on to system.	
Main flow:	
	<ol style="list-style-type: none">1. The use case starts when the User opens the Login window.2. The User enters User ID and Password.3. The User clicks Login button. The system checks for validation.<ol style="list-style-type: none">3.1.1 If the User ID and Password are valid, the User enters the system.3.1.2 If the User ID and Password are not valid, the system warns the User for a valid User ID and Password.3.1.3 While User ID and Password are not valid, the system displays the Login screen.4. If the User clicks "Login" button without entering the User ID and Password, the system displays error message.5. If the User clicks "Cancel" button, the system closes the Login screen after getting confirmation from the User.
Postconditions: The user is logged on to the system.	
Alternative flows:	
	<ol style="list-style-type: none">1. If the User clicks the link "Forget your User ID or Password?", the system displays a window which asks for the e-mail address of the User.<ol style="list-style-type: none">1.1 The User enters his/her e-mail address,1.2 The User clicks "Send" button,1.3 The system checks for validation of the e-mail address,<ol style="list-style-type: none">1.3.1 If the e-mail address is valid, the system sends the User ID and Password data to the User's e-mail address.1.3.2 If the e-mail address is invalid and number of tries to enter the e-mail address is less than or equal to 3, the system warns the User to correct it.<ol style="list-style-type: none">1.3.2.1 The User enters his/her e-mail address,1.3.2.2 The User clicks "Send" button.1.3.3 Else the system displays warning message of "You have entered invalid e-mails three times. We are not able to remind you your UserID and/or Password!"

Use Case: AddEmployee	
ID: 2	
Description: Describes the process used when a new employee is registered to LMS.	
Primary Actor(s): HR Staff	
Secondary Actor(s): -	
Preconditions: HR Staff is logged on to the system.	
Main flow:	
1. The use case starts when HR Staff selects “Add Employee” button from “Main Menu”.	
2. The system asks HR Staff for the employee details of SSN (mandatory), Name (mandatory), Surname (mandatory), Address (mandatory), Birth Date (mandatory), Position (mandatory), Department (mandatory), Hire Date (mandatory), Status (mandatory), Salary (mandatory), e-mail (mandatory) and Phone (mandatory).	
3. HR Staff enters the requested information,	
4. While mandatory information is missing,	
4.1 The system asks HR Staff for missing information,	
4.2 HR Staff enters the missing information,	
5. HR Staff checks “Send Employment Notification Message to IT Department.”	
6. HR Staff clicks “Save” button to register the new employee.	
7. HR Staff clicks “Cancel” button to cancel the registration of the new employee and the system displays HR Staff main menu.	
Postconditions: The new employee information has been added to the system and IT Department is informed about the new employee.	
Alternative flows: None.	

Use Case: ViewEmployee	
ID: 3	
Description: Describes the process used when HR Staff wants to view employee details.	
Primary Actor(s): HR Staff	
Secondary Actor(s): -	
Preconditions: HR Staff is logged on to the system.	
Main flow:	
1. The use case starts when HR Staff clicks “View Employee” button from “Main Menu”,	
2. The system displays maximum 10 employees in each page. For each employee, SSN, Name, Surname, Position, Department, Status information is shown by the system.	
3. While HR Staff is viewing,	
3.1 If there are more employees to show,	
3.1.1 HR Staff may select “Next” to view next page of employees.	
3.2. If HR Staff is not on the first page of employee view,	
3.2.1 HR Staff may select “Previous” to view previous pages of employees.	
4. If HR Staff clicks “Back to Main Menu” button, the system exits from view window and displays HR Staff main menu.	
5. HR Staff clicks radio button on the left of employee that he/she wants to see full details of,	
6. The system displays full details of the selected employee: SSN , Name , Surname , Address, Birth Date, Position, Department, Hire Date, Status, Salary, e-mail and Phone.	
<ViewTrainingHistory>	
<UpdateEmployee>	
Postconditions: HR Staff has selected the employee and the system has displayed full details of the employee.	
Alternative flows: None.	

Extension Use Case: ViewTrainingHistory	
ID: 4	
Description: Describes the process used when HR Staff wants to view training history of employees.	
Primary Actor(s): HR Staff	
Secondary Actor(s): -	
Preconditions: HR Staff is logged on to the system.	
Main flow:	
	<ol style="list-style-type: none"> 1. The use case starts when HR Staff selects “View Training History” button when viewing employee details page. 2. The system displays maximum 10 trainings, that this employee took part in, on every page. For each training, Training ID, Training Name, Start Date, Place, Duration, and Status information is shown by the system. 3. While HR Staff is viewing, <ol style="list-style-type: none"> 3.1 If there are more trainings to show, <ol style="list-style-type: none"> 3.1.1 HR Staff may select “Next” to view next page of trainings. 3.2. If HR Staff is not on the first page of trainings view, <ol style="list-style-type: none"> 3.2.1 HR Staff may select “Previous” to view previous pages of trainings. 4. If HR Staff clicks “Back” button, the system leaves training history page and displays view employees page again.
Postconditions:	Training history of the employee has been displayed.
Alternative flows:	None.

Extension Use Case: UpdateEmployee	
ID: 5	
Description: Describes the process used when HR Staff wants to update employee details.	
Primary Actor(s): HR Staff	
Secondary Actor(s): -	
Preconditions:	HR Staff is logged on to the system and has clicked on the radio button on the left of the employee details.
Main flow:	
	<ol style="list-style-type: none"> 1. HR Staff clicks “Update Employee” button, 2. The system displays employee details of SSN (mandatory), Name (mandatory), Surname (mandatory), Address (mandatory), Birth Date (mandatory), Position (mandatory), Department (mandatory), Hire Date (mandatory), Status (mandatory), Salary (mandatory), e-mail (mandatory) and Phone (mandatory). 3. While (not finished changing) <ol style="list-style-type: none"> 3.1 HR Staff selects a field and changes its value. 4. HR Staff presses “Save” button, 5. The system asks HR Staff to confirm the changes, 6. The HR Staff selects “OK” to save changes. 7. The HR Staff selects “Cancel” to cancel changes. 8. If HR Staff clicks “Back” button, the system leaves training history page and displays view employees page again.
Postconditions:	The employee details have been updated.
Alternative flows:	None.

Use Case: SearchEmployee	
ID: 6	
Description: Describes the process used when HR Staff or IT Staff wants to find specific employee details.	
Primary Actor(s): HR Staff, IT Staff	
Secondary Actor(s): -	
Preconditions: HR Staff or IT Staff is logged on to the system.	
Main flow:	<ol style="list-style-type: none"> 1. The use case starts when HR Staff or IT Staff enters SSN, name, department or position etc. of the employees as search criteria to search text. 2. The system searches for employees that match the entered criteria, 3. If the system finds some employees, <ol style="list-style-type: none"> 3.1 The system displays a page containing maximum 10 employees. The page includes summary information of SSN, Name, Surname, Position, Department, Status. 3.2 While HR Staff or IT Staff is viewing the list of found employees, <ol style="list-style-type: none"> 3.2.1 If there are more employees to display, <ol style="list-style-type: none"> 3.2.1.1 HR Staff or IT Staff may select "Next" to view the next page of employees. 3.2.2 If HR Staff or IT Staff is not on the first page of employees, <ol style="list-style-type: none"> 3.2.2.1 HR Staff may select "Previous" to view the previous page of employees. 4. Else <ol style="list-style-type: none"> 4.1 The system tells HR Staff or IT Staff no matching employees were found.
<UpdateEmployee>	
Postconditions: The employee details have been searched and viewed.	
Alternative flows: None.	

Use Case: AddTraining	
ID: 7	
Description: Describes the process used when HR Staff wants to add new training information to the system.	
Primary Actor(s): HR Staff	
Secondary Actor(s): -	
Preconditions: HR Staff is logged on to the system.	
Main flow:	<ol style="list-style-type: none"> 1. The use case starts when HR Staff selects "Add Training" button from main menu. 2. The system asks HR Staff for the training details of Training ID (mandatory), Training Subject (mandatory), Start Date (mandatory), Place (mandatory), Duration (mandatory), Status (mandatory), Training Days (mandatory) and Vendor Name (mandatory), 3. HR Staff enters the requested information, 4. While mandatory information is missing, <ol style="list-style-type: none"> 4.1 The system asks HR Staff for missing information, 4.2 HR Staff enters the missing information, 5. HR Staff clicks "Save" button to add the new training data. 6. HR Staff clicks "Cancel" button to cancel the addition of the new training data. 7. If HR Staff clicks "Back to Main Menu" button, the system exits from view window and displays HR Staff main menu.
Postconditions: The new training information has been added to the system.	
Alternative flows: None.	

ID: 8
Description: Describes the process used when HR Staff wants to view training information.
Primary Actor(s): HR Staff
Secondary Actor(s): -
Preconditions: HR Staff is logged on to the system.
Main flow:
<ol style="list-style-type: none"> 1. The use case starts when HR Staff selects “View Training” button, 2. The system displays maximum 10 trainings on every page. For each training, Training ID, Training Subject, Status, Vendor information is shown by the system. 3. While HR Staff is viewing, <ol style="list-style-type: none"> 3.1 If there are more trainings to show, <ol style="list-style-type: none"> 3.1.1 HR Staff may select “Next” to view next page of trainings. 3.2 If HR Staff is not on the first page of trainings view, <ol style="list-style-type: none"> 3.2.1 HR Staff may select “Previous” to view previous pages of trainings. 4. HR Staff clicks radio button on the left of training that he/she wants to see full details of. 5. The system displays full details of the selected training: Training ID, Training Subject, Start Date, Place, Time, Status, Training Days and Vendor Name.
<Approve/RejectTraining>
<UpdateTraining>
<ViewParticipants>
Postconditions: HR Staff has selected the training and the system has displayed full details of the training.
Alternative flows: None.

Extension Use Case: Approve/RejectTraining
ID: 9
Description: Describes the process used when HR Staff wants to approve or reject a training program.
Primary Actor(s): HR Staff
Secondary Actor(s): -
Preconditions: HR Staff is logged on to the system.
Main flow:
<ol style="list-style-type: none"> 1. If training status is Not Approved, HR Staff may click “Approve” button, 2. If training status is Continuing, HR Staff may click “Reject” to cancel the training, 3. If training status is “Completed”, HR Staff cannot click any button so the system does not display any button. 4. The system asks HR Staff to confirm the changes. 5. HR Staff selects “OK” to approve changes. 6. HR Staff selects “Cancel” to cancel changes.
Postconditions: Training has been approved or rejected.
Alternative flows: None.

Extension Use Case: UpdateTraining

ID: 10
Description: Describes the process used when HR Staff wants to update training details.
Primary Actor(s): HR Staff
Secondary Actor(s): -
Preconditions: HR Staff is logged on to the system and has clicked on the radio button on the left of the training details.
Main flow:
<ol style="list-style-type: none"> 1. HR Staff clicks “Update Training” button, 2. The system displays training details of Training ID (mandatory), Training Subject (mandatory), Start Date (mandatory), Place (mandatory), Duration (mandatory), Status (mandatory), Training Days (mandatory) and Vendor Name (mandatory), 3. While (not finished changing) <ol style="list-style-type: none"> 3.1 HR Staff selects a field and changes its value. 4. HR Staff presses “Save” button, 5. The system asks HR Staff to confirm the changes, 6. HR Staff selects “OK” to save changes. 7. HR Staff selects “Cancel” to cancel changes. 8. If HR Staff clicks “Back” button, the system leaves update training page and displays view trainings page again.
Postconditions: Training details have been changed.
Alternative flows: None.

Extension Use Case: ViewParticipants
ID: 11
Description: Describes the process used when HR Staff wants to view participants of each training.
Primary Actor(s): HR Staff
Secondary Actor(s): -
Preconditions: HR Staff is logged on to the system.
Main flow:
<ol style="list-style-type: none"> 1. The use case starts when HR Staff selects “View Participants” button. 2. The system displays maximum 10 employees in each page. For each employee, SSN, Name, Surname, Position, Department, Status information is shown by the system. 3. While HR Staff is viewing, <ol style="list-style-type: none"> 3.1 If there are more employees to show, <ol style="list-style-type: none"> 3.1.1 HR Staff may select “Next” to view next page of employees. 3.2. If HR Staff is not on the first page of employee view, <ol style="list-style-type: none"> 3.2.1 HR Staff may select “Previous” to view previous pages of employees. 4. If HR Staff clicks “Back” button, the system leaves view participants page and displays view trainings page again.
Postconditions: Participants’ details have been viewed by HR Staff.
Alternative flows: None.

Use Case: SendTrainingSections
ID: 12

Description: Describes the process used when HR Staff wants to send training sections to employees.
Primary Actor(s): HR Staff
Secondary Actor(s): -
Preconditions: HR Staff is logged on to the system and IT Staff has sent message of related participant employee list of the training to HR Staff.
Main flow:
<ol style="list-style-type: none"> 1. The use case starts when HR Staff clicks “Send Training Sections” button, 2. The system asks HR Staff to select the training which the section details of the Training will be defined. Training ID (mandatory), Training Subject (mandatory), Start Date (mandatory), Place (mandatory), Duration (mandatory), Status (mandatory), and Vendor Name (mandatory) will be shown to the HR Staff in the table left and he or she enters Number of Sections (optional) and Hours of the sections (Mandatory) on the menu right. 3. HR Staff may select “More” to add new training section. 4. HR Staff enters the requested information, 5. While mandatory information is missing, <ul style="list-style-type: none"> 4.1 The system asks HR Staff for missing information, 4.2 HR Staff enters the missing information, 6. HR Staff clicks “Complete Training Schedule” button for the system to send training section details to employees. 7. HR Staff clicks “Cancel” button to cancel sending training sections process.
Postconditions: HR Staff has sent training sections to related employees and participants have received a warning message of “You have a training section preference request from HR Staff” on their pages.
Alternative flows: None.

Use Case: AddVendor
ID: 13
Description: Describes the process used when the HR Staff wants to add vendor details to system.
Primary Actor(s): HR Staff
Secondary Actor(s): -
Preconditions: HR Staff is logged on to the system.
Main flow:
<ol style="list-style-type: none"> 1. The use case starts when HR Staff select “Add New Vendor” button from the main menu, 2. The system asks HR Staff for the vendor details of Vendor ID (mandatory), Vendor Name (mandatory), Address (mandatory), Phone (mandatory), Contact Person (mandatory), Contact Person Position (optional), Contact Person E-mail (mandatory), 3. HR Staff enters the requested information, 4. While mandatory information is missing, <ul style="list-style-type: none"> 4.1 The system asks HR Staff for missing information, 4.2 HR Staff enters the missing information, 5. HR Staff clicks “Save” button to register the new vendor. 6. HR Staff clicks “Cancel” button to cancel the registration of the new vendor. 7. If HR Staff clicks “Back to Main Menu” button, the system exits from add vendor page and displays HR Staff main menu.
Postconditions: HR Staff has added new vendor details.
Alternative flows: None.

Use Case: ViewVendor
ID: 14

Description: Describes the process used when the HR Staff wants to view vendor details in the system.
Primary Actor(s): HR Staff
Secondary Actor(s): -
Preconditions: HR Staff is logged on to the system.
Main flow:
<ol style="list-style-type: none"> 1. The use case starts when HR Staff selects “View Vendor” button from the main menu, 2. The system displays maximum 10 vendors in each page. For each vendor, Vendor ID, Vendor Name, Phone, Contact Person information is shown by the system. 3. While HR Staff is viewing, <ol style="list-style-type: none"> 3.1 If there are more vendors to show, <ol style="list-style-type: none"> 3.1.1 HR Staff may select “Next” to view next page of vendors. 3.2. If HR Staff is not on the first page of vendor view, <ol style="list-style-type: none"> 3.2.1 HR Staff may select “Previous” to view previous pages of vendors. 4. HR Staff clicks radio button on the left of vendor that he/she wants to see full details of, 5. The system displays full details of the selected vendor: Vendor ID, Vendor Name, Address, Phone, Contact Person, Contact Person Position, Contact Person E-mail. 6. If HR Staff clicks “Back to Main Menu” button, the system exits from view vendor page and displays HR Staff main menu.
<UpdateVendor>
Postconditions: HR Staff has viewed the vendor details.
Alternative flows: None.

Extension Use Case: UpdateVendor
ID: 15
Description: Describes the process used when HR Staff wants to update vendor details.
Primary Actor(s): HR Staff
Secondary Actor(s): -
Preconditions: HR Staff is logged on to the system and has clicked on the radio button on the left of the vendor details.
Main flow:
<ol style="list-style-type: none"> 1. HR Staff clicks “Update Vendor” button, 2. The system displays vendor details of Vendor ID (mandatory), Vendor Name (mandatory), Address (mandatory), Phone (mandatory), Contact Person (mandatory), Contact Person Position (optional), Contact Person E-mail (mandatory). Optional elements may be empty if HR Staff had not previously entered them. 3. While (not finished changing) <ol style="list-style-type: none"> 3.1 HR Staff selects a field and changes its value. 4. HR Staff presses “Save” button, 5. The system asks HR Staff to confirm the changes, 6. The HR Staff selects “OK” to save changes. 7. The HR Staff selects “Cancel” to cancel changes. 8. If HR Staff clicks “Back” button, the system leaves view participants page and displays view trainings page again.
Postconditions: The vendor details have been updated.
Alternative flows: None.

Use Case: AddNewSoftware
ID: 16

Description: Describes the process used when IT Staff wants to add new software license to the system.
Primary Actor(s): IT Staff
Secondary Actor(s): -
Preconditions: IT Staff is logged on to the LMS.
Main flow: <ol style="list-style-type: none"> 1. The use case begins when IT Staff selects "Add Software", 2. The system asks for the following information: Software ID (mandatory), Software Name (mandatory), Version (mandatory), Release Date (mandatory), Purchase Date (mandatory), License Expiry date (mandatory), Maximum User (mandatory), Software Status (mandatory), 3. IT Staff enters the requested information, 4. While mandatory information is missing, <ol style="list-style-type: none"> 4.1 The system warns IT Staff for the missing information and asks for it, 4.2 IT Staff enters the missing information. 5. IT Staff clicks "Save" button to register the new software. 6. IT Staff clicks "Cancel" button to cancel the registration of the new software.
Postconditions: New license software has been added to the system.
Alternative flows: None.

Use Case: ViewSoftware

ID: 17
Description: Describes the process used when IT Staff wants to view the software list.
Primary Actor(s): IT Staff
Secondary Actor(s): -
Preconditions: IT Staff is logged on to the system.
Main flow:
<ol style="list-style-type: none"> 1. The use case begins when IT Staff selects “View Software”, 2. The system displays sub menu of View Software. The sub menu includes “View Current Software”, “View Old Software”, “View Departmental Software” and “View Positional Software” respectively. <ol style="list-style-type: none"> 2.1 If IT Staff selects “View Current Software”, the system displays Software ID, Software Name, Version, Release Date, Purchase Date, License Expiry date, Maximum User, Total Current User, Software Status for each software that is being used in that period. 2.2 If IT Staff selects “View Old Software”, the system displays Software ID, Software Name, Version, Release Date, Purchase Date, License Expiry Date, and Software Status for each software that was used before. 2.3 If IT Staff selects “View Departmental Software”, the system displays maximum 10 software in each page Department ID, Department Name, Software ID, Software Name, Version, Release Date, Purchase Date, License Expiry Date, Maximum User, Total Current User, Software Status for each software that is being used in that period in each department. <ol style="list-style-type: none"> 2.3.1 While IT Staff is viewing departmental software, IT Staff may check other departments’ software list by clicking Next / Previous Department. <ol style="list-style-type: none"> 2.3.1.1 If IT Staff is viewing the first department, he or she can only click Next Department. 2.3.1.2 If IT Staff is viewing the last department, he can only click Previous Department. 2.4 If IT Staff selects “View Positional Software List”, the system displays Position ID, Position Description, Software ID, Software Name, Version, Release Date, Purchase Date, License Expiry date, Maximum User, Number of Current User, Software Status for each software that is being used in that period. <ol style="list-style-type: none"> 2.4.1 While IT Staff is viewing positional software, IT Staff may check other positions’ software list by clicking Next Position and Previous Position. <ol style="list-style-type: none"> 2.4.1.1 If IT Staff is viewing the first position, he can only click Next Position. 2.4.1.2 If IT Staff is viewing the last position, he can only click Previous Position. 3. The system displays 10 software licenses in each page. 4. While IT Staff is viewing (for View Current Software and View Old Software), <ol style="list-style-type: none"> 4.1 If there are more software licenses to show, IT Staff may select “Next” to view next page of software licenses. 4.2 If IT Staff is not on the first page of vendor view, IT Staff may select “Previous” to view previous pages of software licenses. 5. IT Staff clicks radio button on the left of software that he/she wants to see full details of, 6. The system displays full details of the selected software: Software ID, Software Name, Version, Release Date, Purchase Date, License Expiry Date, Maximum User, Software Status. <p><UpdateSoftware> (Except for View Old Software) <ViewUsers> (Except for View Old Software)</p>
Postconditions: IT Staff has viewed the software list.
Alternative flows: None.

Extension Use Case: UpdateSoftware

ID: 18
Description: Describes the process used when IT Staff wants to edit the details of software.
Primary Actor(s): IT Staff
Secondary Actor(s): -
Preconditions: IT Staff is logged on to the LMS and has viewed the software to update.
Main flow:
<ol style="list-style-type: none"> 1. The use case begins when IT Staff selects “Update”, 2. The system displays software details of Software ID (mandatory), Software Name (mandatory), Version (mandatory), Release Date (mandatory), Purchase Date (mandatory), License Expiry date (mandatory), Maximum User (mandatory), Software Status (mandatory), 3. While (not finished changing) <ol style="list-style-type: none"> 3.1 IT Staff selects a field and changes its value. 4. IT Staff presses “Save” button, 5. The system asks IT Staff to confirm the changes, 6. IT Staff selects “OK” to save changes. 7. IT Staff selects “Cancel” to cancel changes. 8. If IT Staff presses “Back” button, the system leaves update software page and displays software view page again.
Postconditions: IT Staff has updated the software details.
Alternative flows: None.

Extension Use Case: ViewUsers
ID: 19
Description: Describes the process used when IT Staff wants to see the users of the software.
Primary Actor(s): IT Staff
Secondary Actor(s): -
Preconditions: IT Staff is logged on to the LMS and has viewed the software that he/she wants to see the users of.
Main flow:
<ol style="list-style-type: none"> 1. The use case begins when IT Staff selects “View Users”, 2. The system displays maximum 10 users in each page. For each user, User ID, Employee Name, Position, Department, Telephone Extension, e-mail information is shown by the system. 3. While IT Staff is viewing, <ol style="list-style-type: none"> 3.1 If there are more users to show, <ol style="list-style-type: none"> 3.1.1 IT Staff may select “Next” to view next page of users. 3.2. If IT Staff is not on the first page of user view, <ol style="list-style-type: none"> 3.2.1 IT Staff may select “Previous” to view previous pages of users. 4. The system also shows the Total Number of Current Users and Maximum User Quota at the end of the user list at the last page.
Postconditions: IT Staff has viewed the users of the software.
Alternative flows: None.

Use Case: CreateUserAccount
E&Y License Management System Final Report

ID: 20
Description: Describes the process used when IT Staff wants to create a new user account.
Primary Actor(s): IT Staff
Secondary Actor(s): -
Preconditions: IT Staff is logged on to the system.
Main flow:
<ol style="list-style-type: none"> 1. The use case begins when IT Staff selects “Create User Account” from main menu, 2. The system asks IT Staff to enter a User ID and Password. 3. IT Staff enters the User ID and Password. 4. IT Staff clicks “Check Availability” and the system checks if the User ID is available and Password is valid. 5. If the User ID is not available or Password is invalid, <ol style="list-style-type: none"> 5.1 The system asks for new User ID and/or Password. 6. The system asks IT Staff to enter the following information: Account No (mandatory), Account Status (mandatory), Account Open Date (mandatory), Account Close Date (optional), Employee Name (mandatory), Position (mandatory), Department (mandatory), Telephone Extension (mandatory), e-mail (mandatory). Available User ID and valid Password fields are recorded automatically by the system in User ID and Password fields. 7. IT Staff enters the requested information, 8. If mandatory information is missing, <ol style="list-style-type: none"> 8.1 The system warns IT Staff for the missing information and asks for it, 8.2 IT Staff enters the missing information. 9. IT Staff clicks “Save” button to create the new user account. 10. IT Staff clicks “Cancel” button to cancel the creation of the new user account and the system displays IT Staff main menu. 11. If IT Staff presses “Back to Main Menu”, the system leaves create user account page and displays IT Staff main menu.
Postconditions: IT Staff has created a new user account.
Alternative flows: None.

ID: 21
Description: Describes the process used when IT Staff wants to view user accounts.
Primary Actor(s): IT Staff
Secondary Actor(s): -
Preconditions: IT Staff is logged on to the LMS.
Main flow:
<ol style="list-style-type: none"> 1. The use case begins when IT Staff clicks "View User Accounts" from main menu, 2. The system displays maximum 10 user accounts in each page. Account No, Account Status, User ID, Employee Name, Telephone Extension, e-mail information is shown by the system for each user account. 3. While IT Staff is viewing, <ol style="list-style-type: none"> 3.1 If there are more user accounts to show, IT Staff may select "Next" to view next page of user accounts. 3.2 If IT Staff is not on the first page of user accounts view, IT Staff may select "Previous" to view previous pages of user accounts. 4. The system also shows the Total Number of Current User Accounts at the end of the user account list at the last page. 5. IT Staff clicks radio button on the left of user account that he/she wants to see full details of, 6. The system displays full details of the selected user account: Account No, Account Status, Account Open Date, Account Close Date, User ID, Password, Employee Name, Position, Department, Telephone Extension, e-mail. 7. If IT Staff presses "Back to Main Menu", the system leaves view user account page and displays IT Staff main menu.
<UpdateUserAccount>
Postconditions: IT Staff has viewed the user accounts.
Alternative flows: None.

Extension Use Case: UpdateUserAccount
ID: 22
Description: Describes the process used when IT Staff wants to change user account details.
Primary Actor(s): IT Staff
Secondary Actor(s): -
Preconditions: IT Staff is logged on to the system and has selected the radio button of the user account to update.
Main flow:
<ol style="list-style-type: none"> 1. The use case begins when IT Staff clicks "Update User Account", 2. The system displays software details of User ID (mandatory), Password (mandatory), Account No (mandatory), Account Status (mandatory), Account Open Date (mandatory), Account Close Date (optional), Employee Name (mandatory), Position (mandatory), Department (mandatory), Telephone Extension (mandatory), e-mail (mandatory). Optional elements may be empty if IT Staff had not previously entered. 3. While (not finished changing) <ol style="list-style-type: none"> 3.1 IT Staff selects a field and changes its value. 4. IT Staff presses "Save" button, 5. The system asks IT Staff to confirm the changes, 6. IT Staff selects "OK" to save changes or IT Staff selects "Cancel" to cancel changes. 7. If IT Staff clicks "Back" button, the system displays view user account page again.
Postconditions: IT Staff has updated the user account.
Alternative flows: None.

Use Case: RequestAppointment
E&Y License Management System Final Report

ID: 23
Description: Describes the process used when IT Staff wants to ask for appointment for installation or uninstallation from the User.
Primary Actor(s): IT Staff
Secondary Actor(s): User
Preconditions: IT Staff is logged on to the system.
<p>Main flow:</p> <ol style="list-style-type: none"> 1. The use case begins when IT Staff clicks “Request Appointment” from main menu, 2. The system displays To (mandatory) field to enter the e-mail address of the User, From field is entered automatically by the system as e-mail of IT Staff, Subject (mandatory) field to inform the User about the appointment topic whether it is an installation or uninstallation appointment request etc., Date and Time field is automatically filled by the system when the use case is initiated, Message (mandatory) field to write the message. 3. IT staff clicks on the “Send” button to send the appointment request to the related user or “Cancel” button to cancel sending the message. 4. The system checks if the receiver e-mail address is valid after IT staff clicks on Send button. <ol style="list-style-type: none"> 4.1 If it is valid, the system sends appointment request. 4.2 If it is not valid, system warns IT Staff to correct it. 5. The system displays “You have an appointment request from IT Department” warning on the page of the related user.
Postconditions: IT Staff has sent appointment request to the user and user has received the appointment request.
Alternative flows: None.

Use Case: RecordInstallation
ID: 24
Description: Describes the process used when IT Staff wants to enter the installation details.
Primary Actor(s): IT Staff
Secondary Actor(s): -
Preconditions: IT Staff is logged on to the system.
<p>Main flow:</p> <ol style="list-style-type: none"> 1. The use case begins when IT Staff selects “Record Installation” from main menu, 2. The system asks IT Staff to select the Software Name from the combo box, and to enter User ID (mandatory), Employee Name (mandatory), Date of Installation (mandatory) and Who Performed Installation (mandatory). 3. IT Staff enters the requested information, 4. While mandatory information is missing, <ol style="list-style-type: none"> 4.1 The system warns IT Staff for the missing information and asks for it, 4.2 IT Staff enters the missing information. 5. IT Staff clicks “Save” button to record the installation. 6. IT Staff clicks “Cancel” button to cancel the recording of installation.
Postconditions: IT Staff has recorded the installation.
Alternative flows: None.

ID: 25
Description: Describes the process used when IT Staff wants to enter the uninstallation details.
Primary Actor(s): IT Staff
Secondary Actor(s): -
Preconditions: IT Staff is logged on to the system.
Main flow:
<ol style="list-style-type: none"> 1. The use case begins when IT Staff selects “Record Uninstallation” from main menu, 2. The system asks IT Staff to select the Software Name from the combo box, and to enter User ID, Employee Name (mandatory), Date of Uninstallation (mandatory) and Who Performed Uninstallation (mandatory). - 3. IT Staff enters the requested information, 4. If mandatory information is missing, <ol style="list-style-type: none"> 4.1 The system warns IT Staff for the missing information and asks for it, 4.2 IT Staff enters the missing information. 5. IT Staff clicks “Save” button to record the uninstallation. 6. IT Staff clicks “Cancel” button to cancel the recording of uninstallation.
Postconditions: IT Staff has recorded the uninstallation.
Alternative flows: None.

Use Case: DetermineTrainingParticipant

ID: 26

Description: Describes the process used when IT Staff wants decide which employees need to take which training and forwards this information to HR Staff.

Primary Actor(s): IT Staff

Secondary Actor(s): HR Staff

Preconditions: IT Staff is logged on to the system.

Main flow:

1. The use case begins when IT Staff selects “Determine Training Participant”,
2. The system asks IT staff to enter Training Subject,
3. The system displays Department combo box from which IT Staff can select the department name and see the all employees in that department. The system also displays Position combo box from which IT Staff can select the position name and see all the employees working in that position. Or IT Staff can click on “All Employees” button to have the list of all employees displayed. Employee Name, Position, Department, Telephone Number and e-mail address are listed by the system for each employee.
4. The system displays maximum 10 employees in each page.
5. While IT Staff is viewing,
 - 5.1 If there are more employees to show,
 - 5.1.1 IT Staff may select “Next” to view next page of employees.
 - 5.2. If IT Staff is not on the first page of employees view,
 - 5.2.1 IT Staff may select “Previous” to view previous pages of employees.
6. The system places a check box on the left of each employee details,
7. IT Staff clicks on the check box if that employee needs to take part in the training.
8. At the end of the selection window, the system displays Total Number of Participants.
9. IT staff clicks on “Send” button to send determined training participant list to HR Staff.
10. IT staff clicks on “Cancel” button to cancel sending of determined training participant list to HR Staff.
11. The system displays “You have an training participant list from IT Department” warning on the page of HR Staff.
11. If IT Staff presses “Back to Main Menu”, the system leaves determine training participants page and displays IT Staff main menu.

Postconditions: IT Staff has sent participants of the training to HR Staff.

Alternative flows: None.

Description: Quarterly License Installation Report is prepared and sent to E&Y International.
Primary Actor(s): IT Staff, Time
Secondary Actor(s): E&Y International
Preconditions: IT Staff is logged on to the LMS and time for the report generation has reached and "Quarterly License Installation Report needs to be sent to International Office!" warning message on IT Staff page is displayed by the system automatically.
Main flow:
<ol style="list-style-type: none"> 1. IT Staff clicks "Prepare Quarterly License Report". 2. The system automatically generates the report which specifies for each software how many users of each department and each position have been installed that software. Also total installation number is displayed for each software. 3. The system displays the report to IT Staff. 4. IT staff clicks on "Send" button to forward report to E&Y International.
Postconditions: IT Staff has sent Quarterly License Installation Report to E&Y International.
Alternative flows: None.

Use Case: ResponseAppointment
ID: 28
Description: Employee replies appointment request for installation or uninstallation.
Primary Actor(s): Employee
Secondary Actor(s): IT Staff
Preconditions: Employee is logged on to the LMS and the system displays "You have an appointment request from IT Department!" warning on Employee page.
Main flow:
<ol style="list-style-type: none"> 1. Employee clicks "Response Appointment", 2. The system asks Date and Time for the installation or uninstallation, 3. Employee enters appropriate date and time for the installation or uninstallation to take place on his/her PC, 4. Employee clicks "Send" button to send date and time for installation/uninstallation, 5. Employee clicks "Cancel" button to cancel sending date and time for installation/uninstallation, 6. Installation or uninstallation date and time are sent to IT Staff.
Postconditions: Employee has replied the appointment request of IT Staff.
Alternative flows: None.

ID: 29
Description: Employee specifies which training section he/she would like to attend.
Primary Actor(s): Employee
Secondary Actor(s): HR Staff
Preconditions: Employee is logged on to the LMS and the system displays "You have a training section preference request from HR Department!" warning on Employee page.
Main flow:
<ol style="list-style-type: none"> 1. Employee clicks "Select Training Section", 2. The system displays Message from the HR Department, the training section details of Section No, Days, Hours and Place of the training. The system also displays a combo box next to each section no for the employee to rank his/her training section preference, 3. Employee ranks appropriate training sections, 4. Employee clicks "Complete Training Registration" button to send training section preference, 5. Employee clicks "Cancel" button to cancel sending training section preference, 6. If Employee clicks "Back to Main Menu", the system leaves select training section preference page and displays Employee Main Menu.
Postconditions: Employee has replied the training section preference request of HR Staff.
Alternative flows: None.

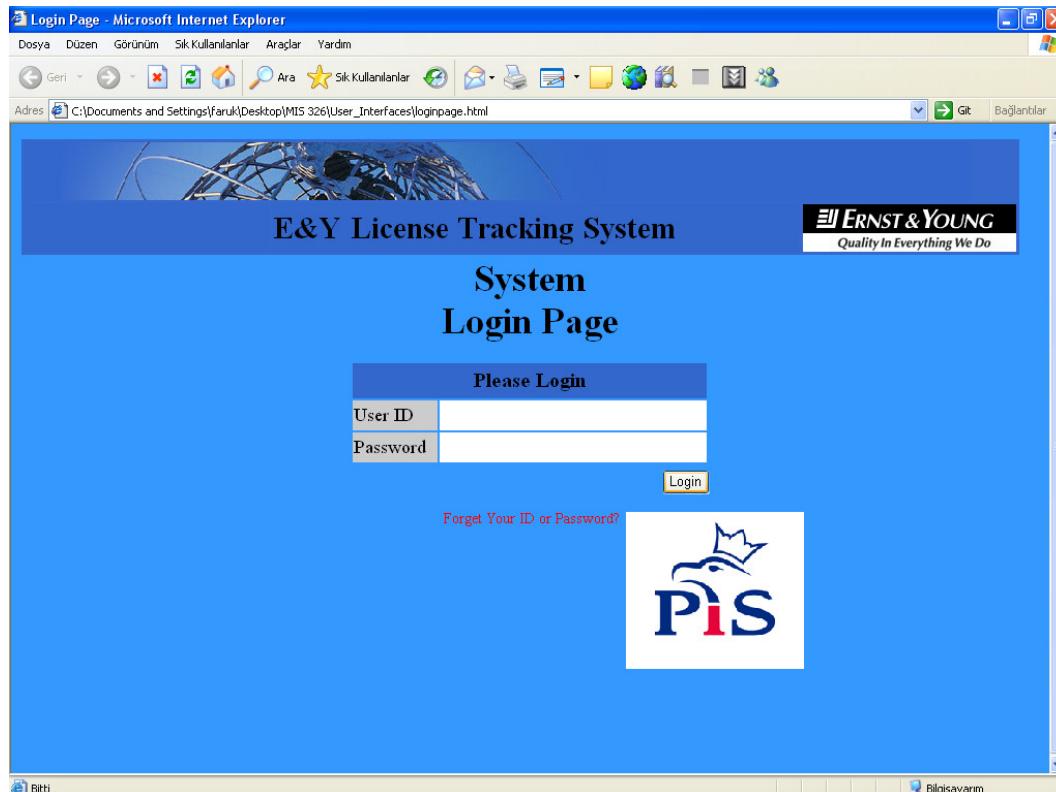
Use Case: RequestSoftwareInstallation
ID: 30
Description: Employee requests software to be installed on his/her PC by IT Staff.
Primary Actor(s): Employee
Secondary Actor(s): IT Staff
Preconditions: Employee is logged on to the LMS.
Main flow:
<ol style="list-style-type: none"> 1. The use case begins when the Employee clicks "Request Software Installation", 2. The system asks employee to enter the information of Software Name (mandatory), Version (optional), Reason for Request (mandatory), Required Installation Date (mandatory), Required Usage Period (mandatory). 3. Employee enters the requested information, 4. If mandatory information is missing, <ul style="list-style-type: none"> 4.1 The system warns Employee for the missing information and asks for it, 4.2 Employee enters the missing information. 5. Employee clicks "Send" to send the request, 6. Employee clicks "Cancel" to cancel sending the request,
Postconditions: Employee has requested software installation from IT Staff.
Alternative flows: None.

Use Case: SendLicensedSoftwareList
ID: 31
Description: E&Y International Office sends Licensed Program List to E&Y Turkey every

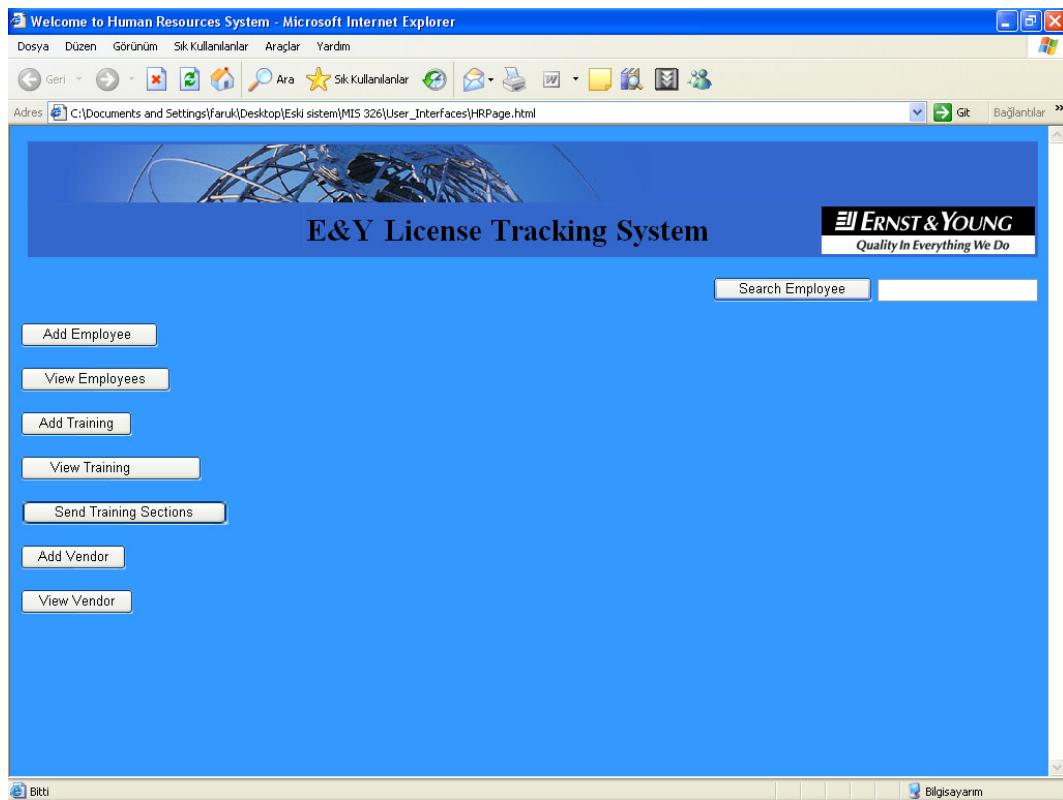
month which includes the information of software installation quotas and expiry dates.
Primary Actor(s): E&Y International, Time
Secondary Actor(s): IT Staff
Preconditions: Time to send the report has been reached.
Main flow:
1. The use case begins when the E&Y International clicks "Send Monthly Licensed Software Report",
Postconditions: IT Staff has obtained the Monthly Licensed Software Report.
Alternative flows: None.

6. USER INTERFACES of LMS

LOGIN PAGE TO ENTER SYSTEM



HR STAFF MAIN MENU PAGE



ADD EMPLOYEE PAGE FOR HR STAFF

A screenshot of a Microsoft Internet Explorer window showing the "Add Employee" page. The title bar reads "Add Employee - Microsoft Internet Explorer". The menu bar and toolbar are identical to the homepage. The address bar shows the URL "C:\Documents and Settings\faruk\Desktop\Eski sistem\MIS 326\User_Interfaces\AddEmployee.html". The main content area has a blue header with the text "E&Y License Tracking System" and the Ernst & Young logo. Below the header is a table with employee information fields:

SSN	3652147823
Name	Ahmet
Surname	Sönmez
Address	Karadut Cad. No:7 Ulus Apt.
Birthdate	18.10.1980
Position	Specialist
Department	Human Resources
Hire Date	11.10.2005
Status	Active
Salary	1.400 YTL
E-Mail	ahmet.sonmez@ey-turkey
Tel	05552356314

Below the table is a button "Back to Main Menu". At the bottom of the page are two buttons: "Save" and "Cancel". There is also a checkbox "Send Employment Notification Message to IT Department" with the value checked.

VIEW EMPLOYEE PAGE FOR HR STAFF

E&Y License Tracking System

ERNST & YOUNG
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	SSN	Name	Surname	Position	Department	Status	
<input type="radio"/>	3403200512	Ahmet	Sönmez	Consultant	HR	Active	<input type="button" value="Training History"/>
<input type="radio"/>	3424245306	Hasan	Uludağ	Specialist	IT	Active	<input type="button" value="Training History"/>
<input type="radio"/>	3252634412	Murat	Akın	Advisor	Audit	Exit	<input type="button" value="Training History"/>
<input type="radio"/>	3562145412	Hande	Yılmaz	Manager	Tax	Active	<input type="button" value="Training History"/>
<input type="radio"/>	3252364103	Demet	Ular	Supervisor	Audit	Inactive	<input type="button" value="Training History"/>

VIEW TRAINING HISTORY OF CURRENT EMPLOYEE FOR HR STAFF

E&Y License Tracking System

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Training Details of Fatma Güler

Training ID	Training Name	Start Date	Place	Duration	Status
156	Microsoft Visio	10.04.2004	Beşiktaş	3 Weeks	Finished
185	Microsoft Office	11.04.2005	Taksim	8 Weeks	Finished
310	Lotus Notes	03.05.2004	Beşiktaş	5 Weeks	Finished
300	Rational Rose	05.03.2006	Seminar Room	10 Weeks	Continuing
412	Microsoft Access	04.03.2006	Seminar Room	3 Months	Continuing

UPDATE EMPLOYEE PAGE FOR HR STAFF

E&Y License Tracking System

SSN	3652147823
Name	Ahmet
Surname	Sönmez
Adress	Karadut Cad. No:7 Ulus Apt.
Birthdate	28.02.1975
Position	Specialist
Department	Human Resources
Hire Date	11.10.2005
Status	Active
Salary	2.500
E-Mail	ahmet.sonmez@ey-turkey
Phone	05552356314



SEARCH EMPLOYEE PAGE FOR HR STAFF

E&Y License Tracking System

	SSN	Name	Surname	Position	Department	Status
<input checked="" type="radio"/>	3403200102	Ahmet	Sönmez	Consultant	HR	Active
<input checked="" type="radio"/>	3424245204	Ahmet	Uludağ	Specialist	IT	Active
<input checked="" type="radio"/>	3252634582	Ahmet	Akm	Advisor	Audit	Exit
<input checked="" type="radio"/>	3562145236	Ahmet	Yılmaz	Manager	Taxation	Active
<input checked="" type="radio"/>	3252364823	Ahmet	Demet	Supervisor	Audit	Inactive

Ahmet

The Search Result for Ahmet



ADD TRAINING PAGE FOR HR STAFF

Add Training - Microsoft Internet Explorer

Dosya Düzen Görünüm Sık Kullanılanlar Araçlar Yardım

Geri → Arama → Sık Kullanılanlar Ara Eski sistem MIS 326 User_Interfaces/AddTraining.html Git Bağlantılar >

E&Y License Tracking System

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Search Employee

Training ID	3652147823			
Training Subject	Rational Rose			
Start Date	11.06.2006			
Place	Seminar Room			
Duration	3 Weeks			
Status	Not Approved			
Training Days	Monday	Wednesday		
Vendor Name	Bilge Adam			

Save Cancel

Back to Main Menu

Bitti Bilgisayarım

VIEW TRAINING PAGE FOR HR STAFF

View Training - Microsoft Internet Explorer

Dosya Düzen Görünüm Sık Kullanılanlar Araçlar Yardım

Geri → Arama → Sık Kullanılanlar Ara Eski sistem MIS 326 User_Interfaces/ViewTraining.html Git Bağlantılar >

E&Y License Tracking System

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	Training ID	Subject	Vendor	Status	Action	
<input type="radio"/>	5243	MS Excel	Microsoft	Assigned	<input type="button" value="View Participants"/>	
<input type="radio"/>	5214	Lotus Notes	IBM	Assigned	<input type="button" value="Approve"/>	<input type="button" value="View Participants"/>
<input type="radio"/>	1323	Exact Financials	Mocola	Rejected	<input type="button" value="View Participants"/>	
<input type="radio"/>	4152	Accpac	Sage	Continuing	<input type="button" value="Cancel"/>	<input type="button" value="View Participants"/>
<input type="radio"/>	9654	MS Visio	Microsoft	Completed	<input type="button" value="View Participants"/>	

Update Training Back

Previous Next

Bitti Bilgisayarım

UPDATE TRAINING PAGE FOR HR STAFF

E&Y License Tracking System

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Training ID	3652147823			
Training Subject	Rational Rose			
Start Date	11.06.2006			
Place	Hilton Hotel			
Duration	3 Weeks			
Status	Assigned			
Training Days	Monday	Wednesday		
Vendor Name	Bilge Adam			
<input type="button" value="Update"/> <input type="button" value="Cancel"/>				

Back

VIEW PARTICIPANTS OF CURRENT TRAINING PROGRAM FOR HR STAFF

E&Y License Tracking System

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The Participants of Rational RoseTraining

SSN	Name	Surname	Position	Department	Status
3403200102	Murat	Sönmez	Consultant	HR	Active
3424245204	Hakan	Uludağ	Specialist	IT	Active
3252634582	Seval	Akm	Advisor	Audit	Active
3562145236	Levet	Yılmaz	Manager	Taxation	Active
3562145236	Zeynep	Yılmaz	Manager	Taxation	Active
3562145236	Mustafa	Yılmaz	Manager	Taxation	Active
3403200102	Semra	Sönmez	Consultant	HR	Active
3424245204	Okan	Uludağ	Specialist	IT	Active
3252634582	Ahmet	Ilker	Advisor	Audit	Active
3252364823	Demet	Olgan	Supervisor	Audit	Active

Back

SEND TRAINING SECTIONS TO EMPLOYEE FOR HR STAFF

E&Y License Tracking System

Training ID	156
Training Subject	Rational Rose
Start Date	11.06.2006
Duration	8 Weeks
Status	Assigned
Vendor Name	Bilge Adam

Define The Time of Training

Section	Activate	Days	Hours
1	<input checked="" type="checkbox"/>	M-F	11:30-12:30
2	<input checked="" type="checkbox"/>	Th-F	13:00-14:00, 16:00-17:00
3	<input type="checkbox"/>		
4	<input type="checkbox"/>		
5	<input type="checkbox"/>		

ADD VENDOR PAGE FOR HR STAFF

E&Y License Tracking System

Vendor ID	3652147823
Vendor Name	Bilge Adam
Address	Karadut Cad. No:7 Ulus Apt.
Phone	0 212 255 96 35
Contact Person	Haluk Gunal
Contact Person Position	Specialist
Contact Person E-Mail	haluk.gunal@bilgeadam.c

VIEW VENDOR PAGE FOR HR STAFF

View Vendor - Microsoft Internet Explorer

Dosya Düzen Görünüm Sık Kullanılanlar Araçlar Yardım
 Geri → X

Adres: C:\Documents and Settings\faruk\Desktop\Eski sistem\MIS 326\User_Interfaces\ViewVendor.html Bağlantılar >

	Vendor ID	Vendor Name	Phone	Contact Person
●	152	Boğaziçi Bilişim	0 212 256 36 14	Aylin Önel
●	253	Bilge Adam	0 212 692 14 23	Halit ateş
●	124	Tugal	0 212 254 13 82	Pelin Murat
●	412	Hiyaltan	0 212 412 84 36	Ayşe Sönmez
●	120	Microsoft	0 212 352 14 71	Hasan Akın
●	142	Netron	0 212 415 36 27	Yalçın Ragıp
●	106	Fitrin	0 212 842 37 91	Meral Tanır
●	253	TKL	0 212 472 36 14	Narin Aylin
●	352	Burlik Yazılım	0 212 473 10 24	Hakan Güney
●	412	Noltan	0 216 394 15 41	Sait Uçman

[Update Vendor](#)

[Back to Main Menu](#)

◀ ▶

Previous Next

UPDATE VENDOR PAGE FOR HR STAFF

Update Vendor - Microsoft Internet Explorer

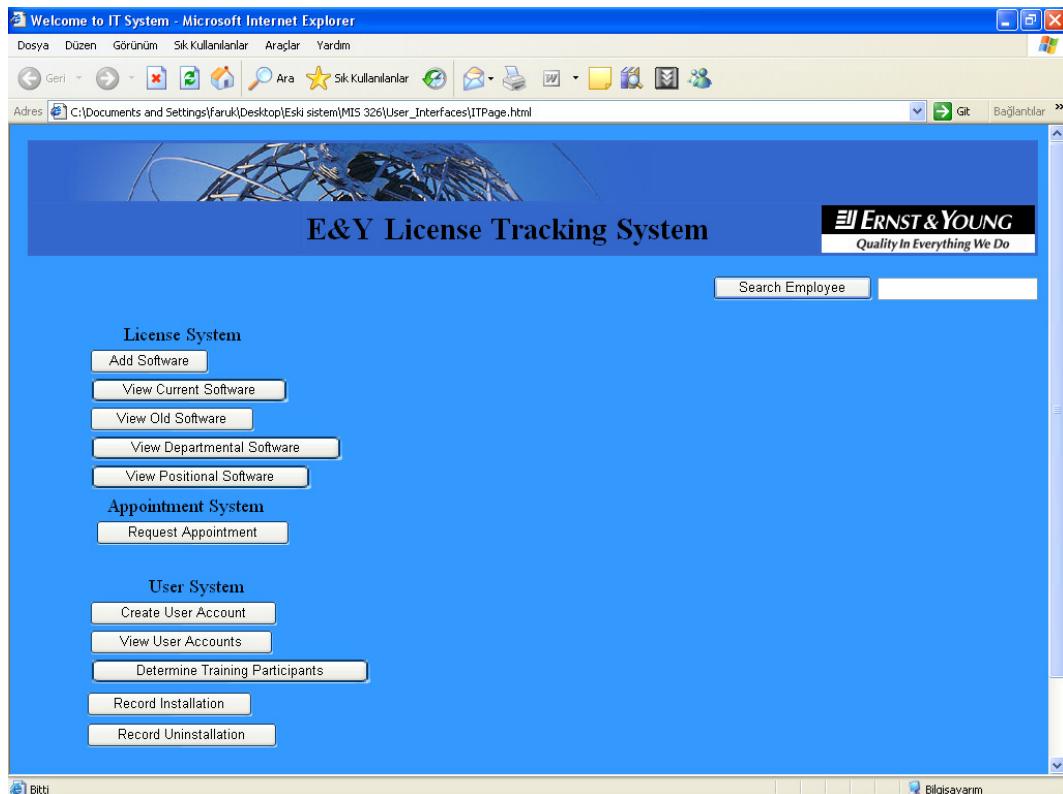
Dosya Düzen Görünüm Sık Kullanılanlar Araçlar Yardım
 Geri → X

Adres: C:\Documents and Settings\faruk\Desktop\Eski sistem\MIS 326\User_Interfaces\UpdateVendor.html Bağlantılar >

Vendor ID	635
Vendor Name	Boğaziçi Bilişim
Address	Karakut Cad. No:7 Ulus Apt.
Phone	0 212 254 36 52
Contact Person	Hasan Uzun
Contact Person Position	Specialist
Contact Person e-mail	h.uzun@bogazicibilisim.com

[Back](#)

IT STAFF MAIN MENU PAGE



ADD SOFTWARE PAGE FOR IT STAFF

The screenshot shows the Microsoft Internet Explorer browser window with the title "Add Software - Microsoft Internet Explorer". The address bar shows the URL "C:\Documents and Settings\faruk\Desktop\326\User_Interfaces\AddNewSoftware.html". The main content area features a blue header with the text "E&Y License Tracking System" and the Ernst & Young logo. Below the header, there is a form for adding software information. The form fields are:

Software ID	15624
Software Name	Oracle Database Server
Version	10.1.0.2
Realise Date	01.10.2003
Purchase Date	01.09.2004
License Expiry Date	01.09.2007
Maximum User	90
Software Status	Available

At the bottom of the form are two buttons: "Save" and "Cancel". The bottom of the window shows standard Windows taskbar icons.

VIEW CURRENT SOFTWARE PAGE FOR IT STAFF

E&Y License Tracking System

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	Software ID	Software Name	Version	Realise Date	Purchase Date	License ExpiryDate	Maximum User	Total Current User	Software status		
<input type="radio"/>	52416	Visio	2003	06.06.2003	01.01.2004	02.02.2007	90	70	Active	<input type="button" value="View Users"/>	<input type="button" value="Update"/>
<input type="radio"/>	56394	J2ME	6.02.1	04.12.2002	10.05.2003	03.04.2007	80	75	Active	<input type="button" value="View Users"/>	<input type="button" value="Update"/>
<input type="radio"/>	87423	Lotus Notes	5.01.3	10.10.2000	01.11.2000	02.01.2008	75	70	Active	<input type="button" value="View Users"/>	<input type="button" value="Update"/>
<input type="radio"/>	20143	JSP	2003	02.03.2002	03.03.2002	06.05.2009	65	50	Active	<input type="button" value="View Users"/>	<input type="button" value="Update"/>
<input type="radio"/>	63240	Morgan	12.3.7	04.05.2005	05.08.2005	01.12.2009	70	45	Inactive	<input type="button" value="View Users"/>	<input type="button" value="Update"/>

Previous Next

VIEW OLD (LICENSE EXPIRED) SOFTWARE PAGE FOR IT STAFF

E&Y License Tracking System

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The Old Software List

	Software ID	Software Name	Version	Realise Date	Purchase Date	License ExpiryDate
<input type="radio"/>	52416	Prg	2003	06.06.2003	01.01.2004	02.02.2005
<input type="radio"/>	56394	Yonmk	6.02.1	04.12.2002	10.05.2003	03.04.2005
<input type="radio"/>	87423	Notron	5.01.3	10.10.2000	01.11.2000	02.01.2006
<input type="radio"/>	20143	ASP	2003	02.03.2002	03.03.2002	06.05.2005
<input type="radio"/>	63240	Hilk	12.3.7	04.05.2005	05.08.2005	01.12.2005

VIEW SOFTWARE PAGE ACCORDING TO DEPARTMENT FOR IT STAFF

E&Y License Tracking System

Department ID : 04
 Department Name: IT Department

Software ID	Software Name	Version	Realise Date	Purchase Date	License ExpiryDate	Maximum User	Total Current User	Software status		
52416	Visio	2003	06.06.2003	01.01.2004	02.02.2007	90	70	Current	View Users	Update
56394	J2ME	6.02.1	04.12.2002	10.05.2003	03.04.2007	80	75	Renewed	View Users	Update
87423	Lotus Notes	5.01.3	10.10.2000	01.11.2000	02.01.2008	75	70	Current	View Users	Update
20143	JSP	2003	02.03.2002	03.03.2002	06.05.2009	65	50	Expired	View Users	Update
63240	Morgan	12.3.7	04.05.2005	05.08.2005	01.12.2009	70	45	Current	View Users	Update

Previous Department Next Department

VIEW POSITIONAL SOFTWARE LIST PAGE FOR IT STAFF (LISTS SOFTWARE ACCORDING TO POSITIONS OF USERS)

E&Y License Tracking System

Position ID : Specialist
 Position Description : The Person who is expert in a topic in a department.

Software ID	Software Name	Version	Realise Date	Purchase Date	License ExpiryDate	Maximum User	Total Current User	Software status		
52416	Visio	2003	06.06.2003	01.01.2004	02.02.2007	90	70	Current	View Users	Update
56394	J2ME	6.02.1	04.12.2002	10.05.2003	03.04.2007	80	75	Expired	View Users	Update
87423	Lotus Notes	5.01.3	10.10.2000	01.11.2000	02.01.2008	75	70	Renewed	View Users	Update
20143	JSP	2003	02.03.2002	03.03.2002	06.05.2009	65	50	Current	View Users	Update
63240	Morgan	12.3.7	04.05.2005	05.08.2005	01.12.2009	70	45	Current	View Users	Update

Previous Position Next Position

UPDATE SOFTWARE PAGE FOR IT STAFF

E&Y License Tracking System

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Software ID	15624
Software Name	Oracle Database Server
Version	10.1.0.2
Realise Date	01.10.2003
Purchase Date	01.09.2004
License Expiry Date	01.09.2007
Maximum User	90
Software Status	Available

Back **Save**

VIEW USERS OF CURRENT PROGRAM FOR IT STAFF

E&Y License Tracking System

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Users Of MS Visio

User ID	Employee Name	Position	Department	Telephone	Extension	E-Mail
3403200102	Ahmet Sonmez	Consultant	HR	05554215236	153	ahmet.sonmez@ey-turkey.com
3424245204	Hasan Uludağ	Specialist	IT	05056354123	251	hasan.uludag@ey-turkey.com
3252634582	Murat Akın	Advisor	Audit	05056321472	362	murat.akin@ey-turkey.com
3562145236	Hande Yılmaz	Manager	Taxation	05322635415	324	hande.yilmaz@ey-turkey.com
3252364823	Demet Ular	Supervisor	Audit	05442365142	125	demet.ular@ey-turkey.com

Back **Next**

Total Number of Current Users : 50
Maximum User Quota : 75

UPDATE USER ACCOUNT PAGE FOR IT STAFF

E&Y License Tracking System

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User ID	3652147823
Password	*****
Account No	2836
Account Status	Active
Account Open Date	10.08.2003
Account Close Date	11.05.2005
Employee Name	Ali Günal
Position	Specialist
Department	Human Resources
Telephone Extension	145
E-mail	ali.gunal@ey_turkey.com

[Back to Main Menu](#)

[Save](#) [Cancel](#)

VIEW USERS ACCOUNT PAGE FOR IT STAFF

E&Y License Tracking System

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	Account No	User Id	Employee Name	Status	Tel Extension	E-mail
<input checked="" type="radio"/>	5261	Ahmet.Sonnez	Ahmet Sönmez	Active	152	
<input checked="" type="radio"/>	8214	Hasan.Uludag	Hasan Uludağ	Active	145	
<input checked="" type="radio"/>	3252634582	Murat.Akm	Murat Akm	Inactive	241	
<input checked="" type="radio"/>	2369	Hande.Yilmaz	Hande Yılmaz	Active	142	
<input checked="" type="radio"/>	4152	Demet.Ular	Demet Ular	Inactive	130	

[Update User Account](#)

[Back to Main Menu](#)

Total Number of Current User Account: 200

Previous Next

UPDATE USER ACCOUNT PAGE FOR IT STAFF

E&Y License Tracking System

User ID	3652147823
Password	*****
Account No	2936
Account Status	Active
Account Open Date	10.08.2003
Account Close Date	11.05.2005
Employee Name	Ali Günal
Position	Specialist
Department	Human Resources
Telephone Extension	145
E-mail	ali.gunal@ey_turkey.com

[Back to Main Menu](#)

Save **Cancel**

REQUEST APPOINTMENT PAGE FOR IT STAFF (FOR INSTALLATION OR UNINSTALLATION)

E&Y License Tracking System

To :	hasa.onder@ey-turkey.co
From :	aygun.alim@ey-tr.com
Subject :	Installation Request
Date :	10/05/2006
Time :	10:30
Message :	Hello; We want to Uninstall Rational

Send **Cancel**

RECORD INSTALLATION PAGE FOR IT STAFF

E&Y License Tracking System

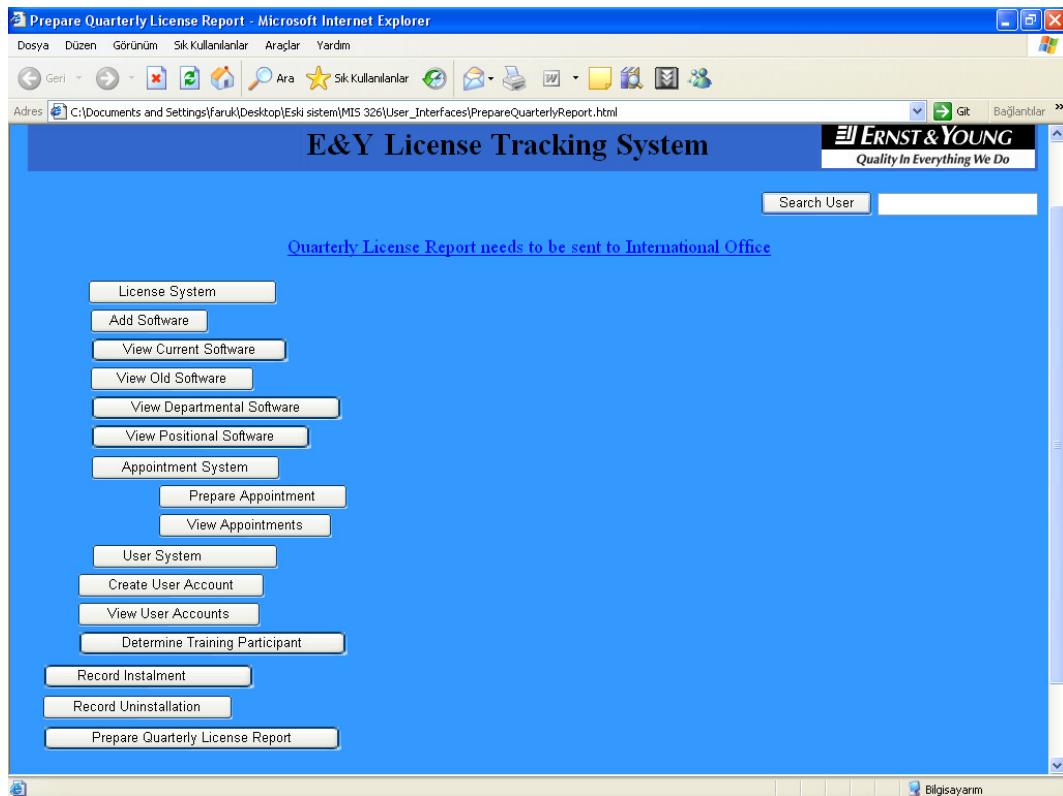
Software Name	User ID	Employee Name	Who Performed	Date
Microsoft Office	Ahmet.Sonmez	Ahmet Sönmez	Cuneyt.Levent	11.12.2005
				<input type="button" value="Save"/>
				<input type="button" value="Cancel"/>

DETERMINE TRAINING PARTICIPANTS PAGE FOR IT STAFF

E&Y License Tracking System

Department	Position	Training ID	251	Training Subject	For Visio Training																																										
IT	Executive	View All Employees																																													
<table border="1"> <thead> <tr> <th colspan="6">Please Select Users for Visio Training</th> </tr> <tr> <th></th> <th>Name</th> <th>Position</th> <th>Department</th> <th>Telephone Number</th> <th>E-Mail</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/></td> <td>Ahmet Sönmez</td> <td>Consultant</td> <td>HR</td> <td>05554215236</td> <td>ahmet.sonmez@ey-turkey.com</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Hasan Uludağ</td> <td>Specialist</td> <td>IT</td> <td>05056354123</td> <td>hasan.uludag@ey-turkey.com</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Murat Akm</td> <td>Advisor</td> <td>Audit</td> <td>05056321472</td> <td>murat.akm@ey-turkey.com</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Hande Yılmaz</td> <td>Manager</td> <td>Taxation</td> <td>05322635415</td> <td>hande.yilmaz@ey-turkey.com</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Demet Ular</td> <td>Supervisor</td> <td>Audit</td> <td>05442365142</td> <td>demet.ular@ey-turkey.com</td> </tr> </tbody> </table>						Please Select Users for Visio Training							Name	Position	Department	Telephone Number	E-Mail	<input checked="" type="checkbox"/>	Ahmet Sönmez	Consultant	HR	05554215236	ahmet.sonmez@ey-turkey.com	<input type="checkbox"/>	Hasan Uludağ	Specialist	IT	05056354123	hasan.uludag@ey-turkey.com	<input checked="" type="checkbox"/>	Murat Akm	Advisor	Audit	05056321472	murat.akm@ey-turkey.com	<input checked="" type="checkbox"/>	Hande Yılmaz	Manager	Taxation	05322635415	hande.yilmaz@ey-turkey.com	<input type="checkbox"/>	Demet Ular	Supervisor	Audit	05442365142	demet.ular@ey-turkey.com
Please Select Users for Visio Training																																															
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<input type="checkbox"/>	Demet Ular	Supervisor	Audit	05442365142	demet.ular@ey-turkey.com																																										
<input type="button" value="Back to Main Menu"/>		<input type="button" value="Send"/>	<input type="button" value="Cancel"/>	<input type="button" value=""/>	<input type="button" value=""/>																																										
Total Number of Participants : 3			<input type="button" value="Previous"/>	<input type="button" value="Next"/>																																											

PREPARE REPORT PAGE FOR IT STAFF



REPORT EXAMPLE

Information About Program Usage - Microsoft Word

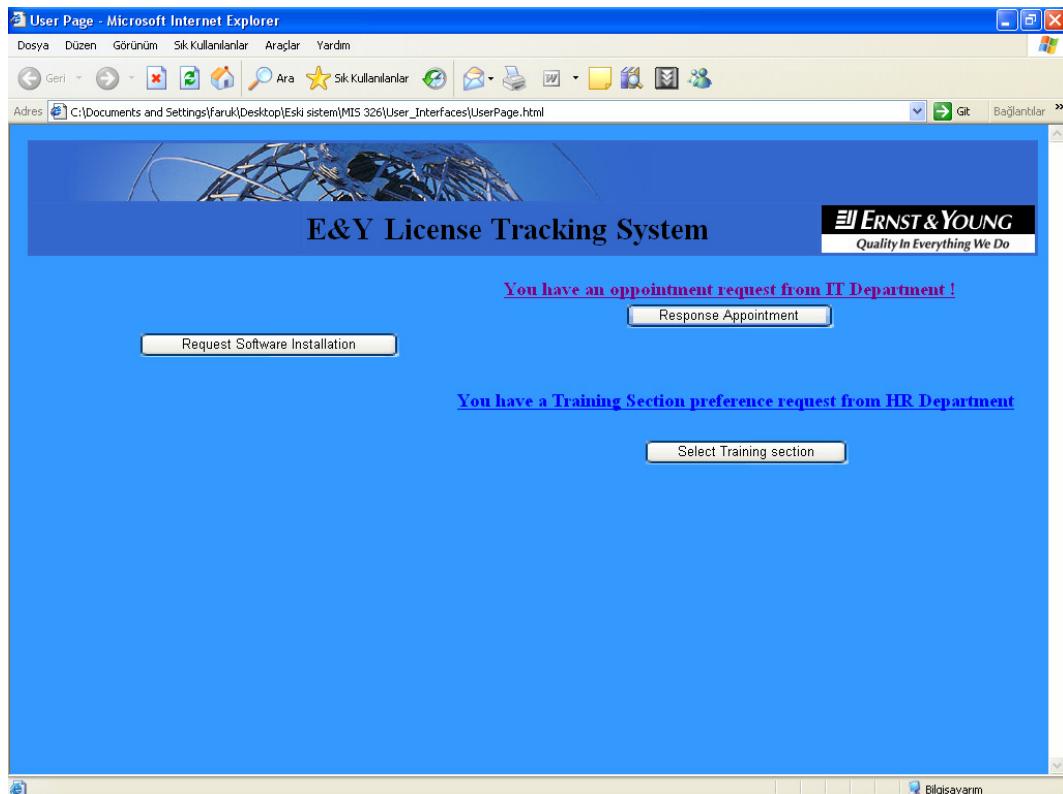
09.05.2006

Quarterly License Report of E&Y Turkey

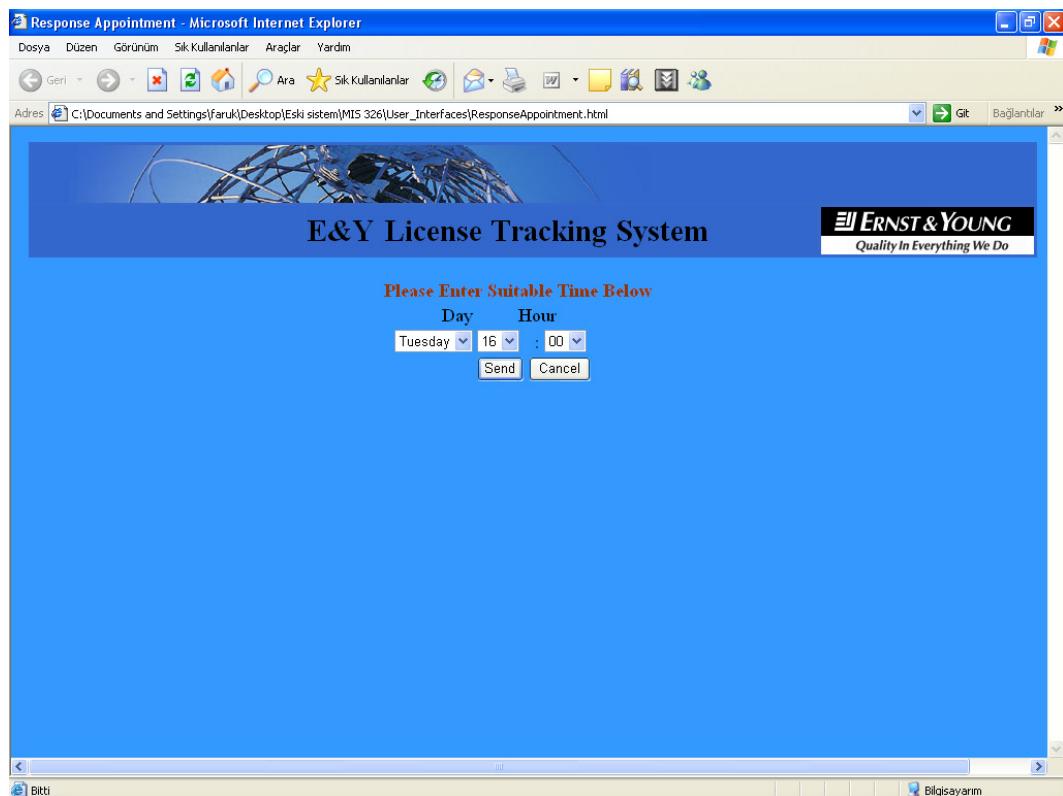
Software Name	Department	Position	Installment
<i>AWS</i>	<i>Total Instalment:</i> 62		
	Audit	Audit Specialist	21
	Finance	Finance Employee	20
	IT	AWS Support	2
	Tax	Tax Specialist	17
<i>Ibm Domino Designer</i>	<i>Total Instalment:</i> 10		
	IT	AWS Support	2
	IT	Helpdesk	1
	IT	IT Chief	2
<i>Ibm Lotus Notes</i>	<i>Total Instalment:</i> 21		
	HR	Co-Manager	2
	HR	Manager	1
	IT	Helpdesk	6
IT	IT Chief	2	

[Send Report to E&Y International](#)

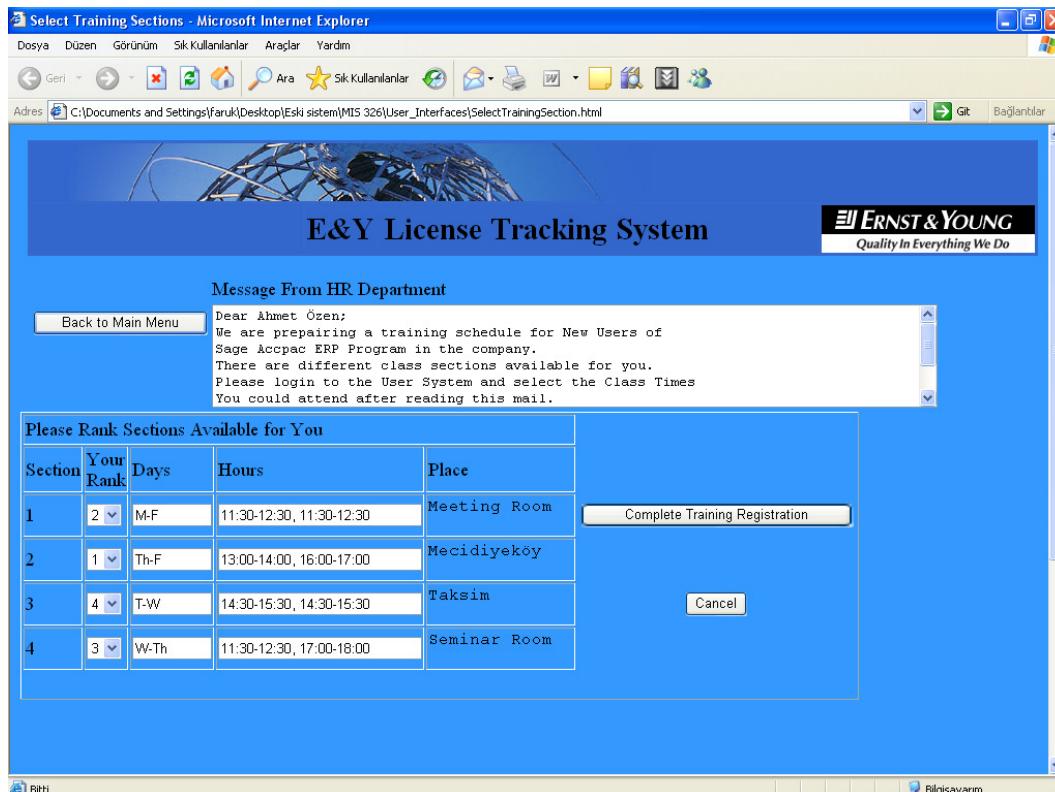
EMPLOYEE MAIN MENU PAGE



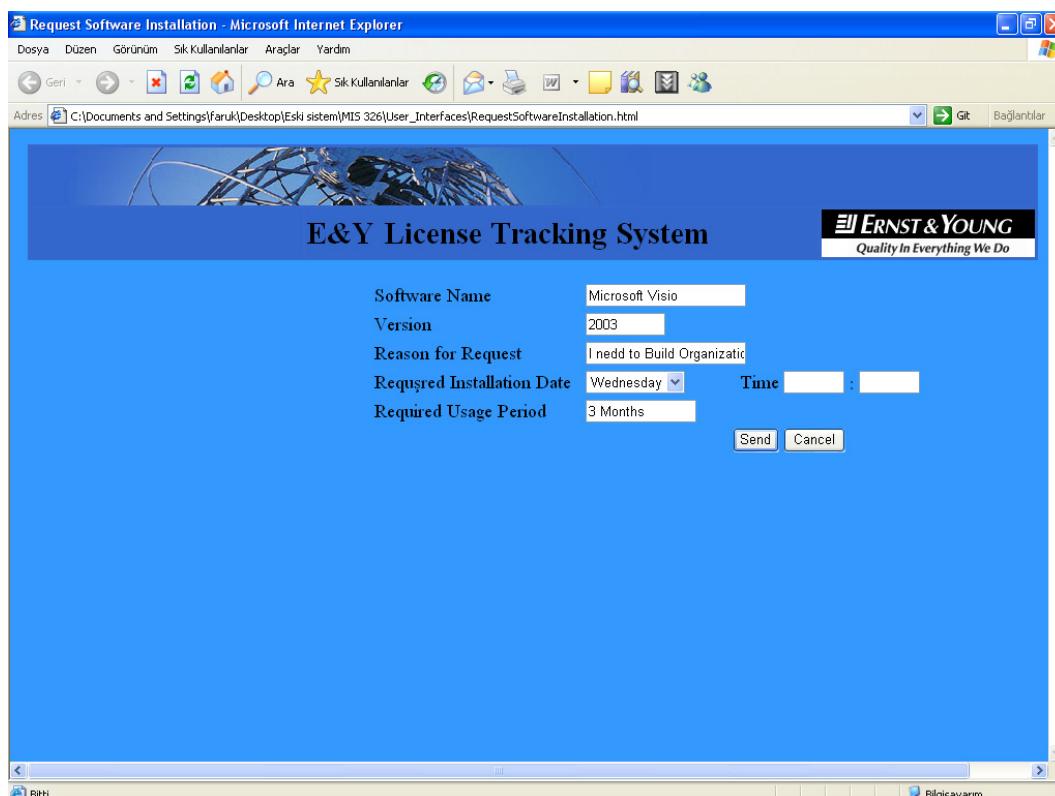
RESPONSE APPOINTMENT PAGE FOR USER (RESPONSE TO IT STAFF)



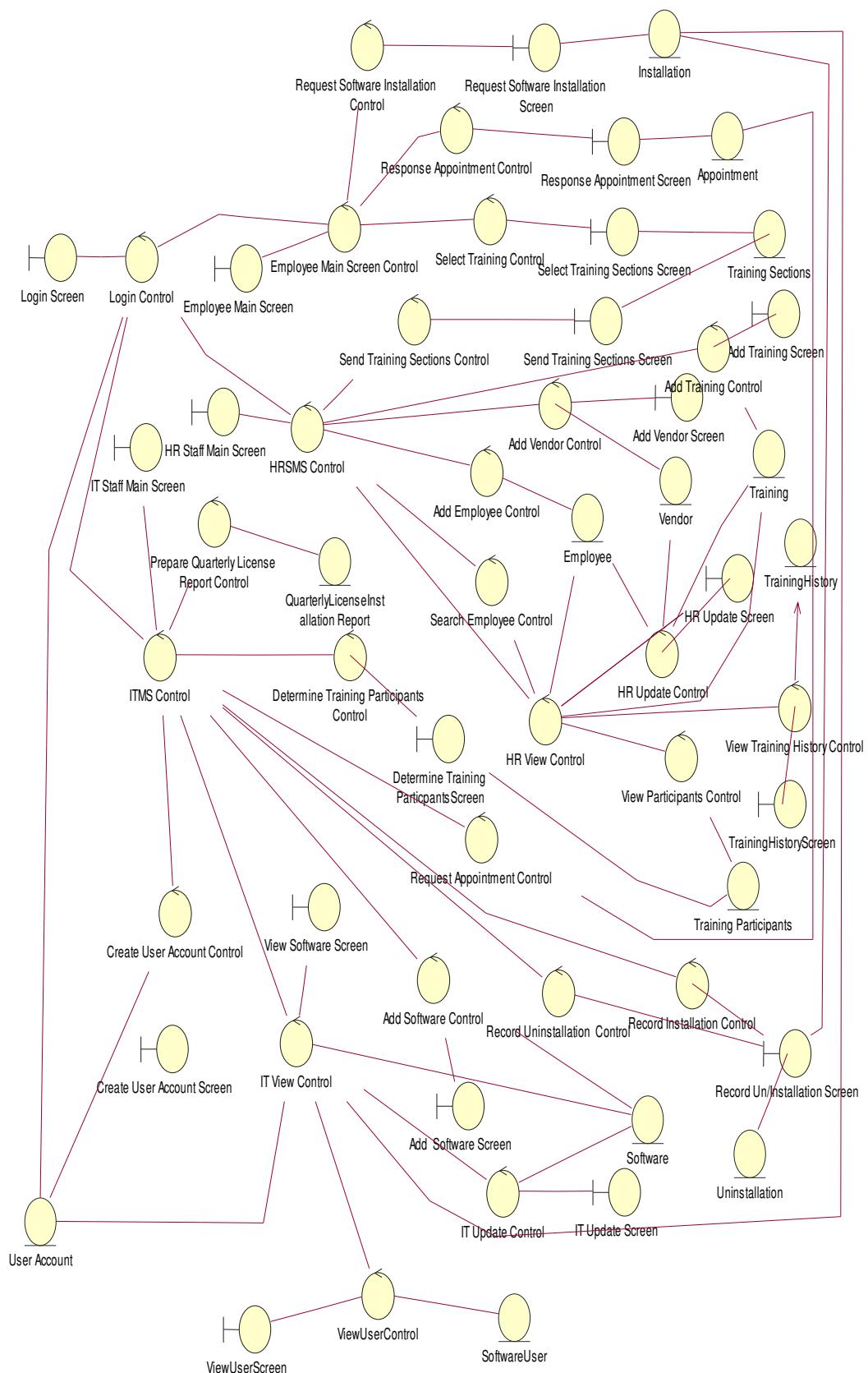
SELECT TRAINING SECTIONS PAGE FOR USER (RESPONSE TO HR)



[REQUEST SOFTWARE INSTALLATION PAGE FOR USER](#)

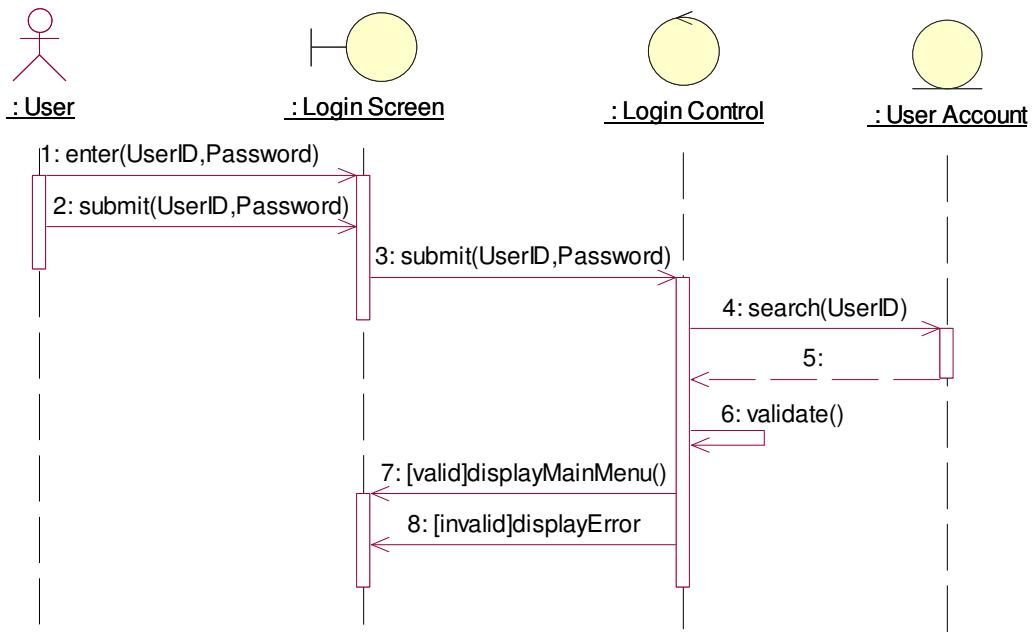


7. CLASS DIAGRAM of LMS

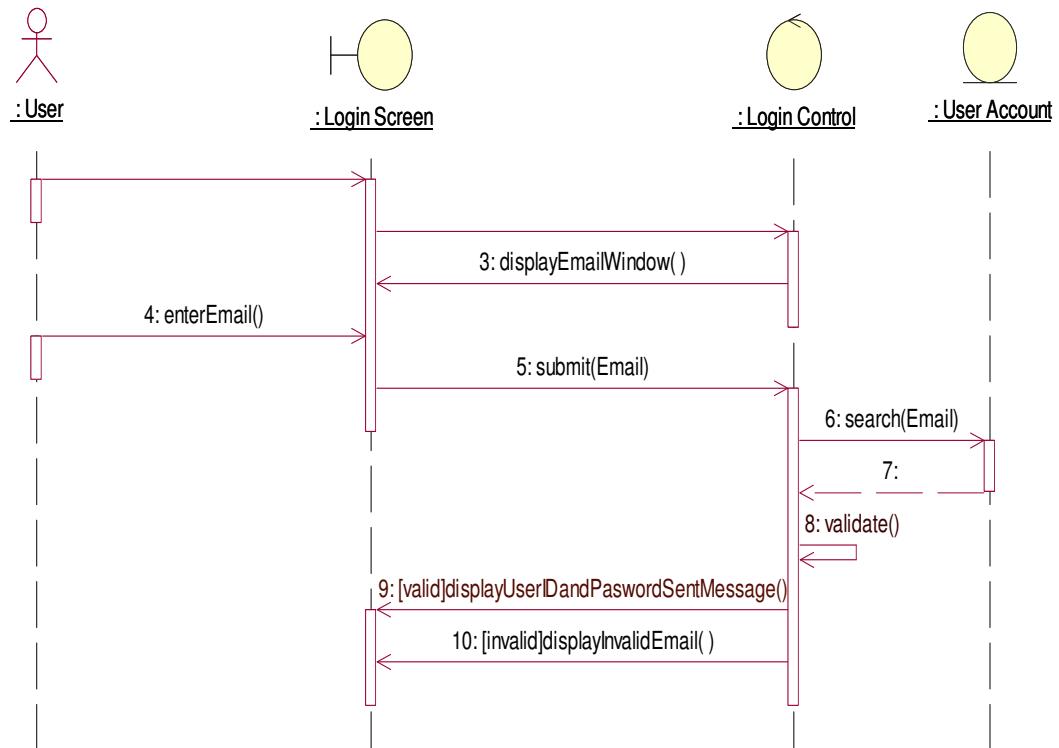


8. SAMPLE SEQUENCE DIAGRAMS of LMS

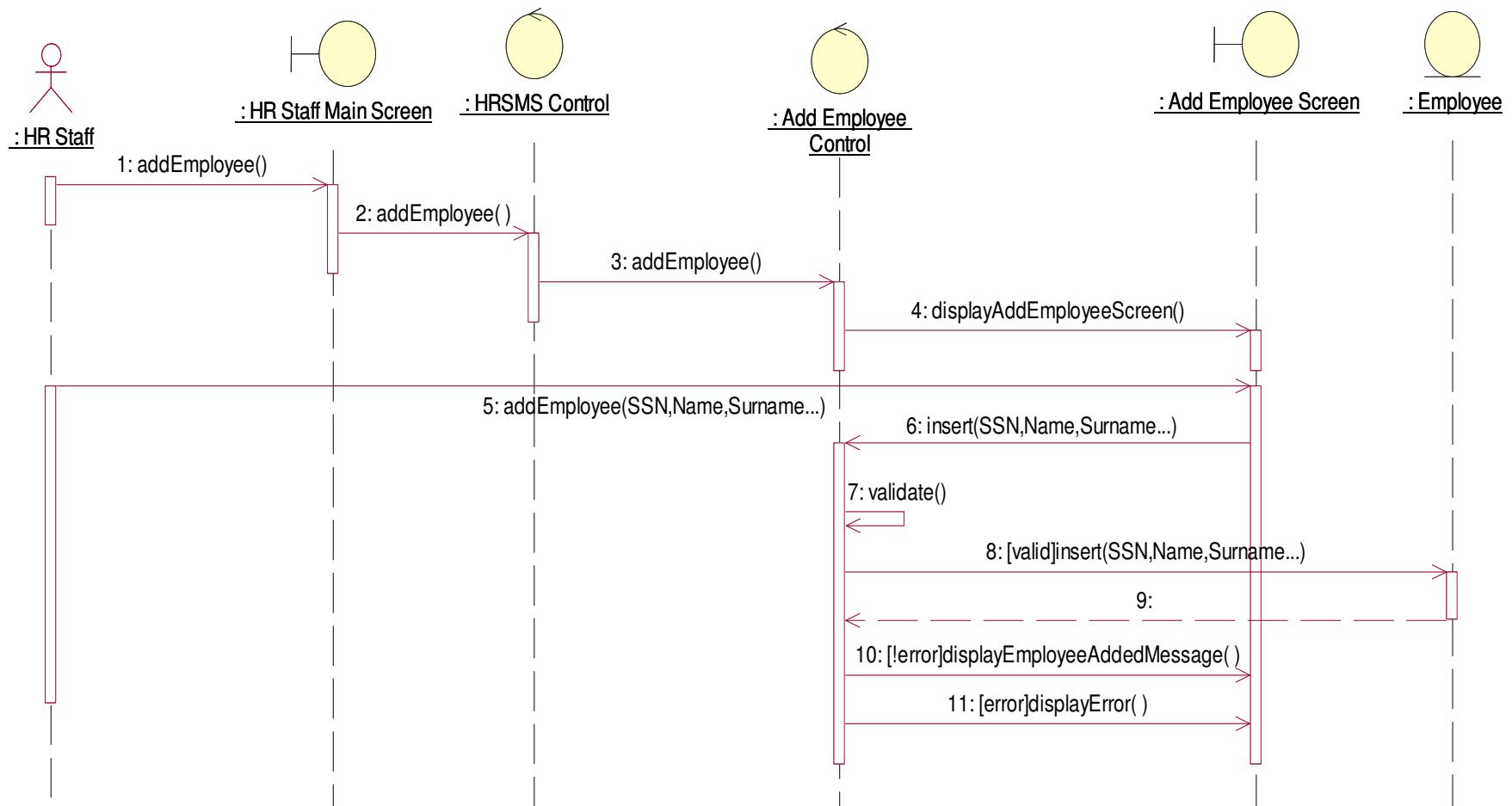
LOGIN



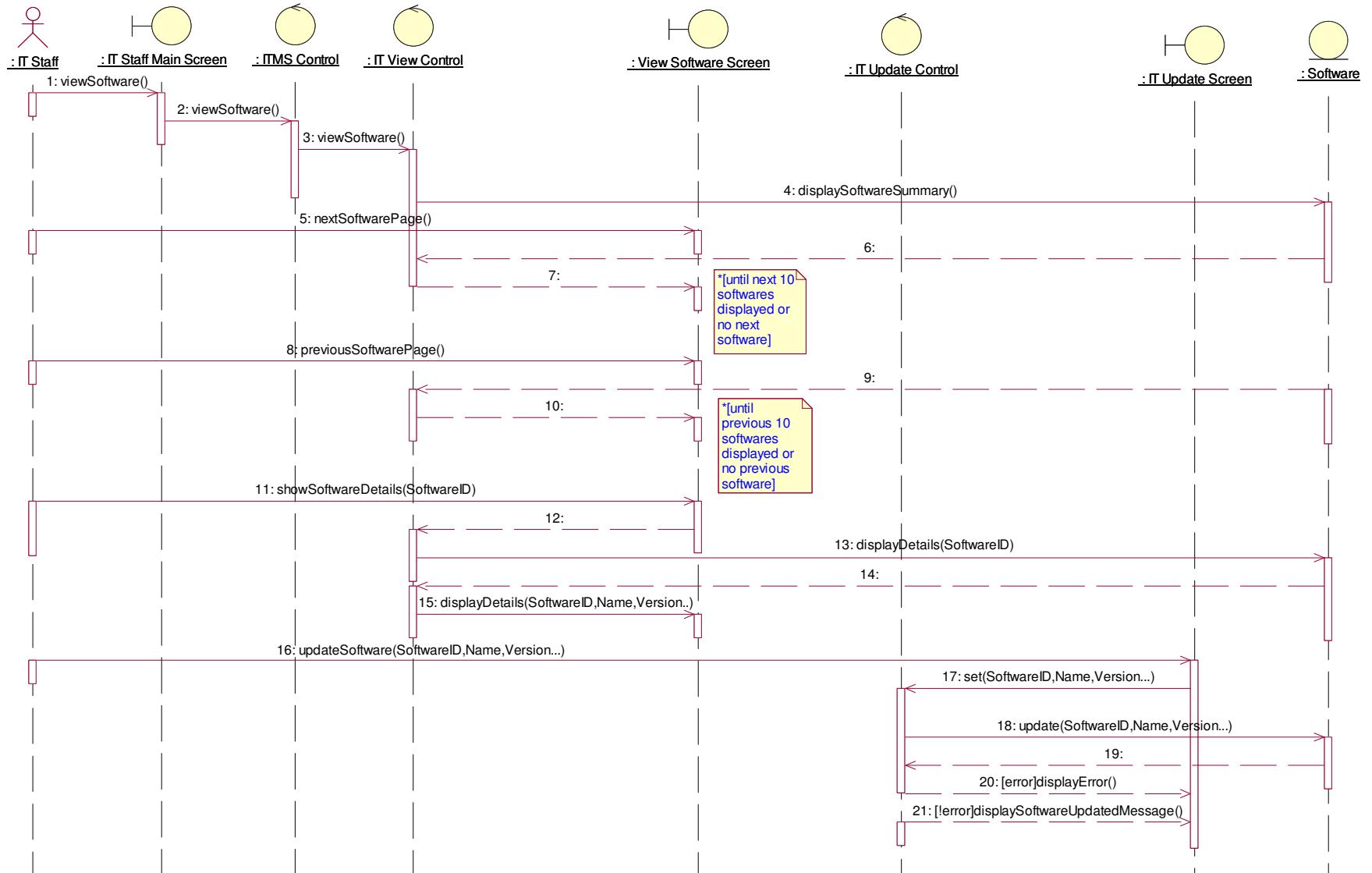
FORGET UserID and PASSWORD



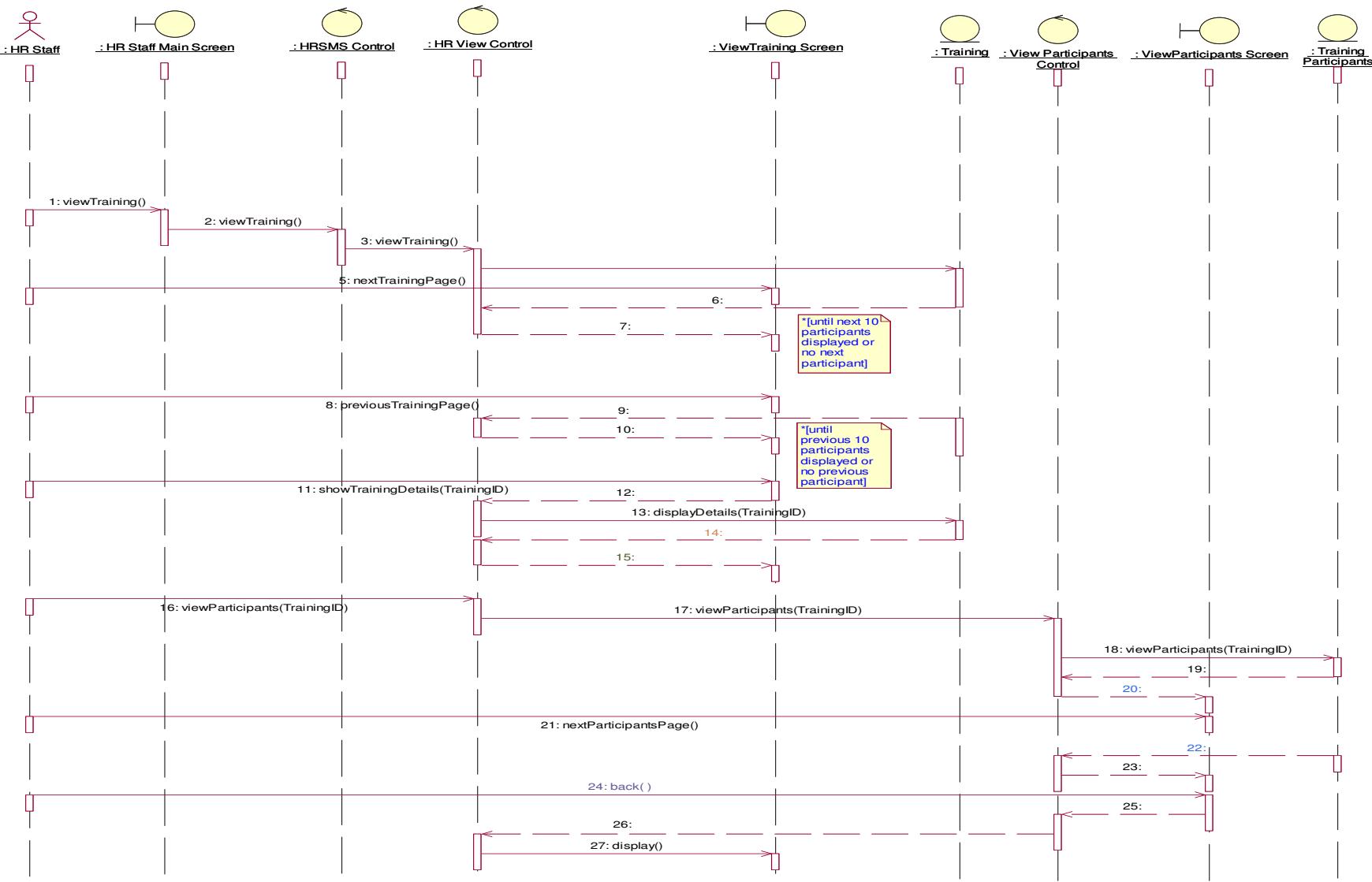
ADD EMPLOYEE



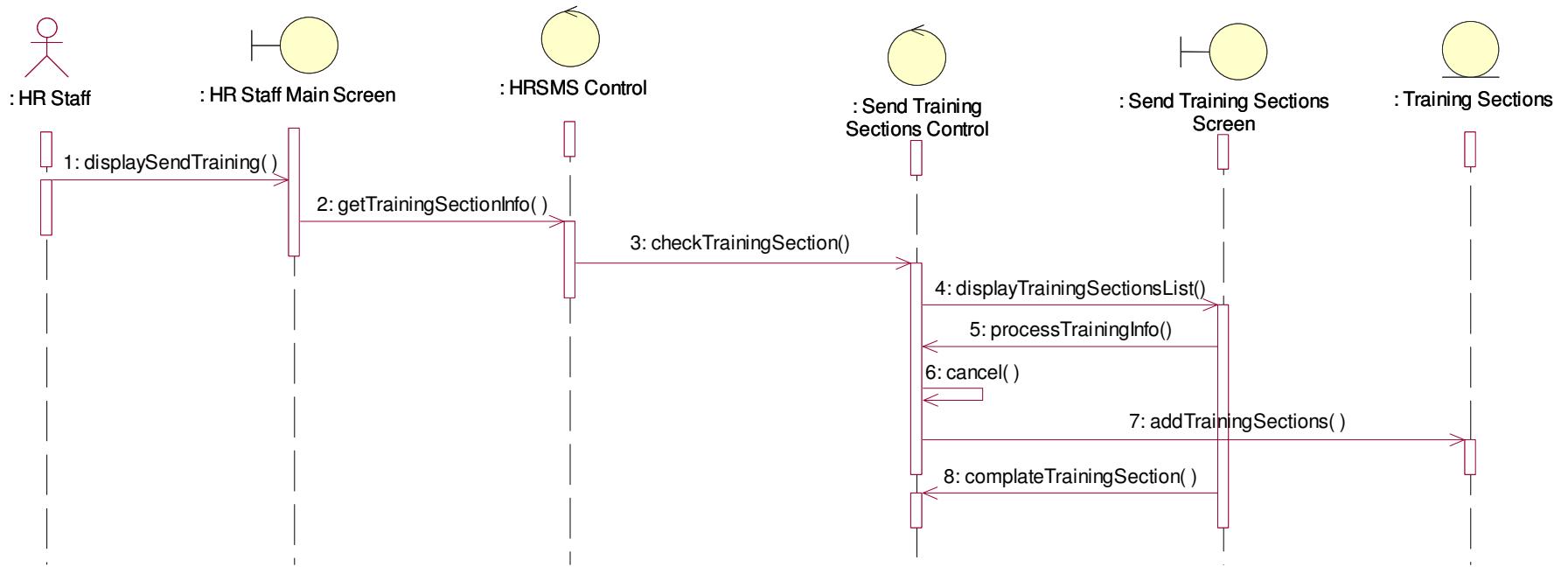
UPDATE SOFTWARE



VIEW TRAINING PARTICIPANTS

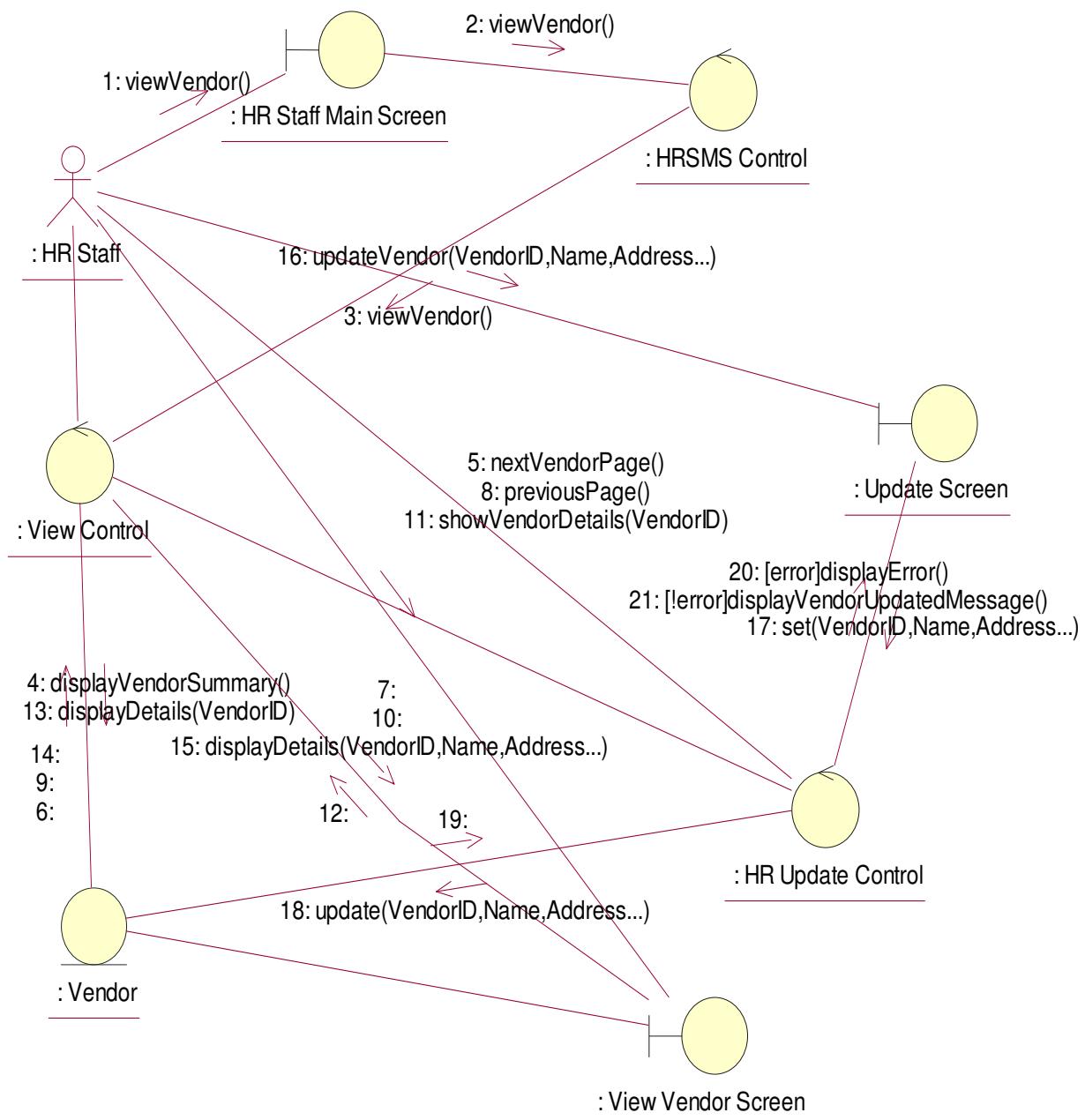


SEND TRAINING SECTIONS

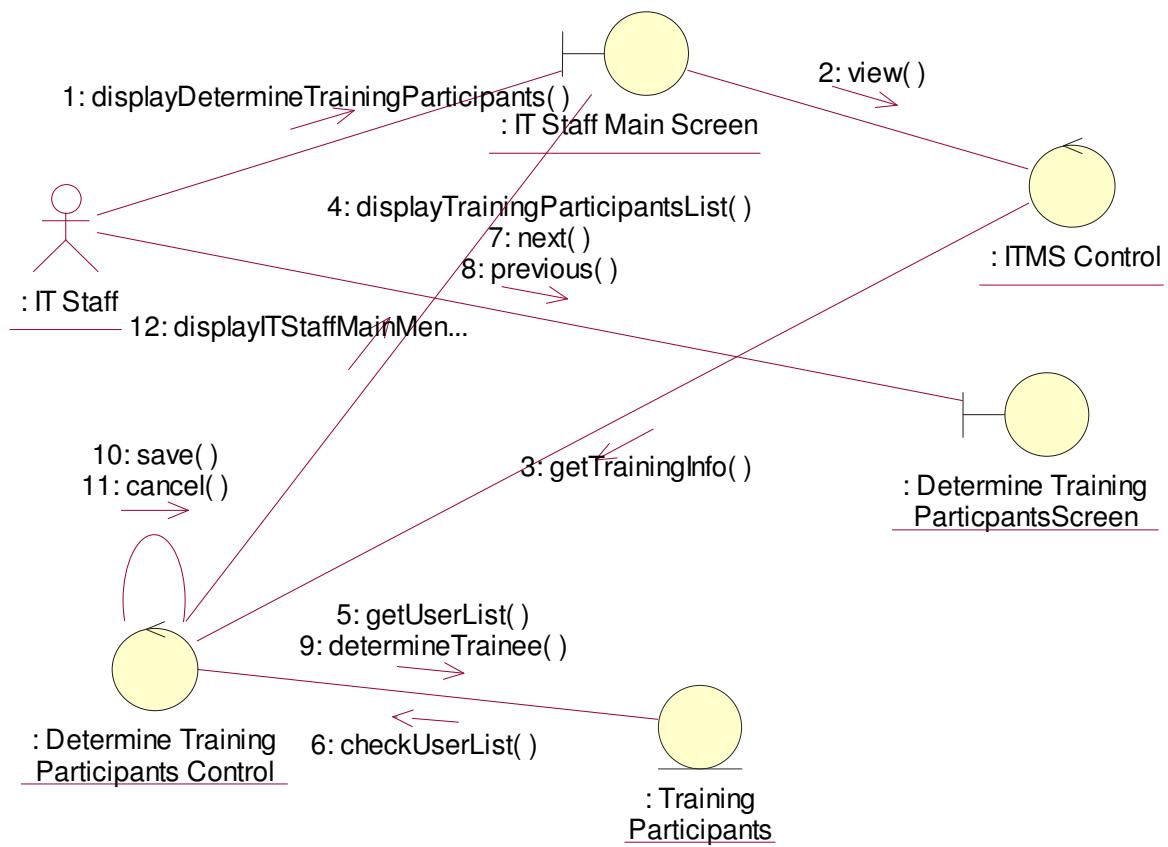


9. SAMPLE COLLABORATION DIAGRAMS of LMS

UPDATE VENDOR

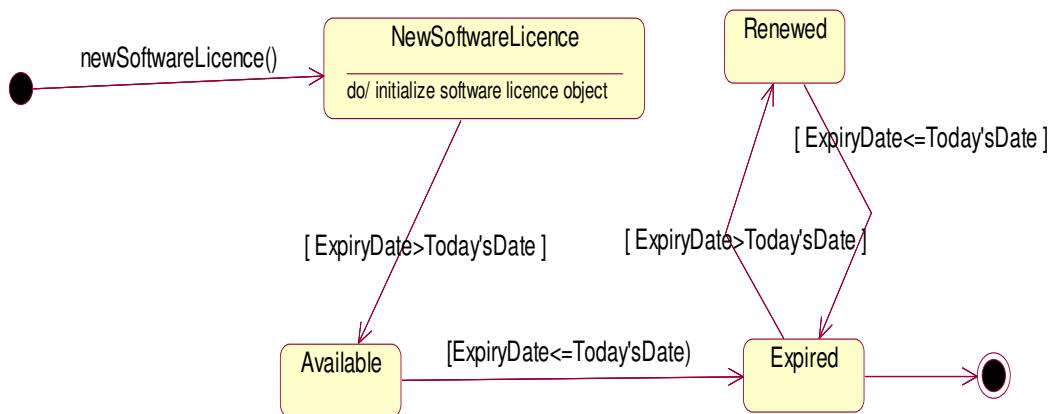


DETERMINE TRAINING PARTICIPANTS

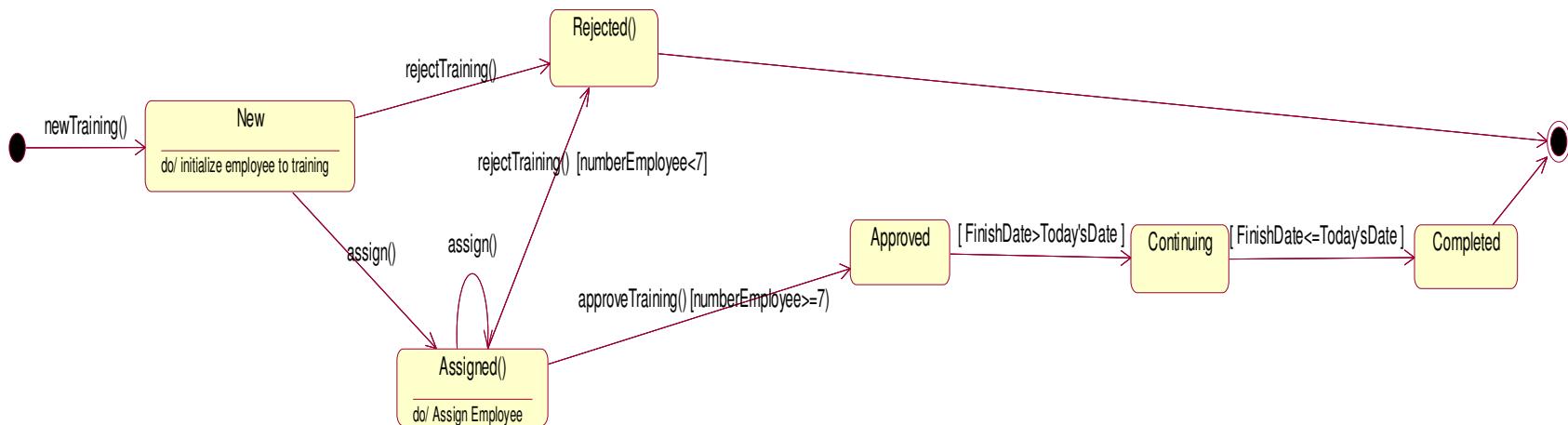


10. SAMPLE STATE DIAGRAMS of LMS

SOFTWARE LICENSE



TRAINING



USER ACCOUNT

