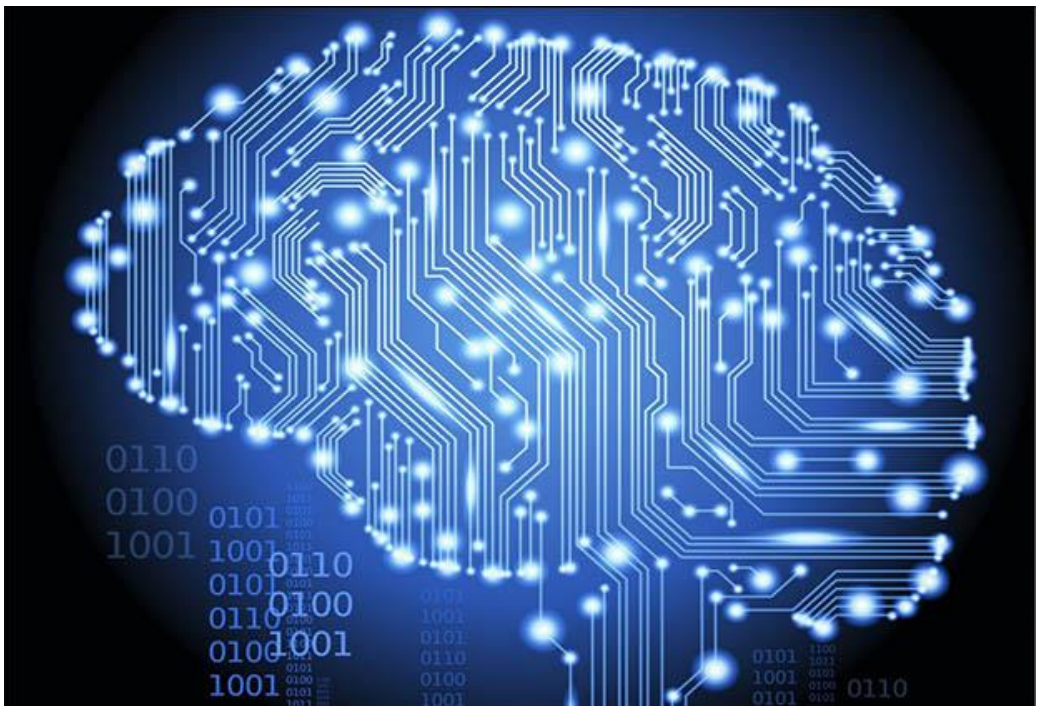
SAM2017



10/13/2015

Team 2 | Uncaught Exception

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Contents

DOMAIN MODEL 2

USE CASES 3

Diagram 3

Detailed Uses Cases Description 4

SYSTEM SEQUENCE DIAGRAM 15

Assign papers to PCMs 15

Submit Paper 15

Register 16

Review Paper 16

CLASS DIAGRAM 17

STATE MACHINE DIAGRAM 18

Register 18

Assign/Rate 19

Submit/View Paper 20

Choose/Review Paper 21

Rate Paper 22

ACTIVITY DIAGRAM 23

Assign Papers to PCM 23

Generate Report 24

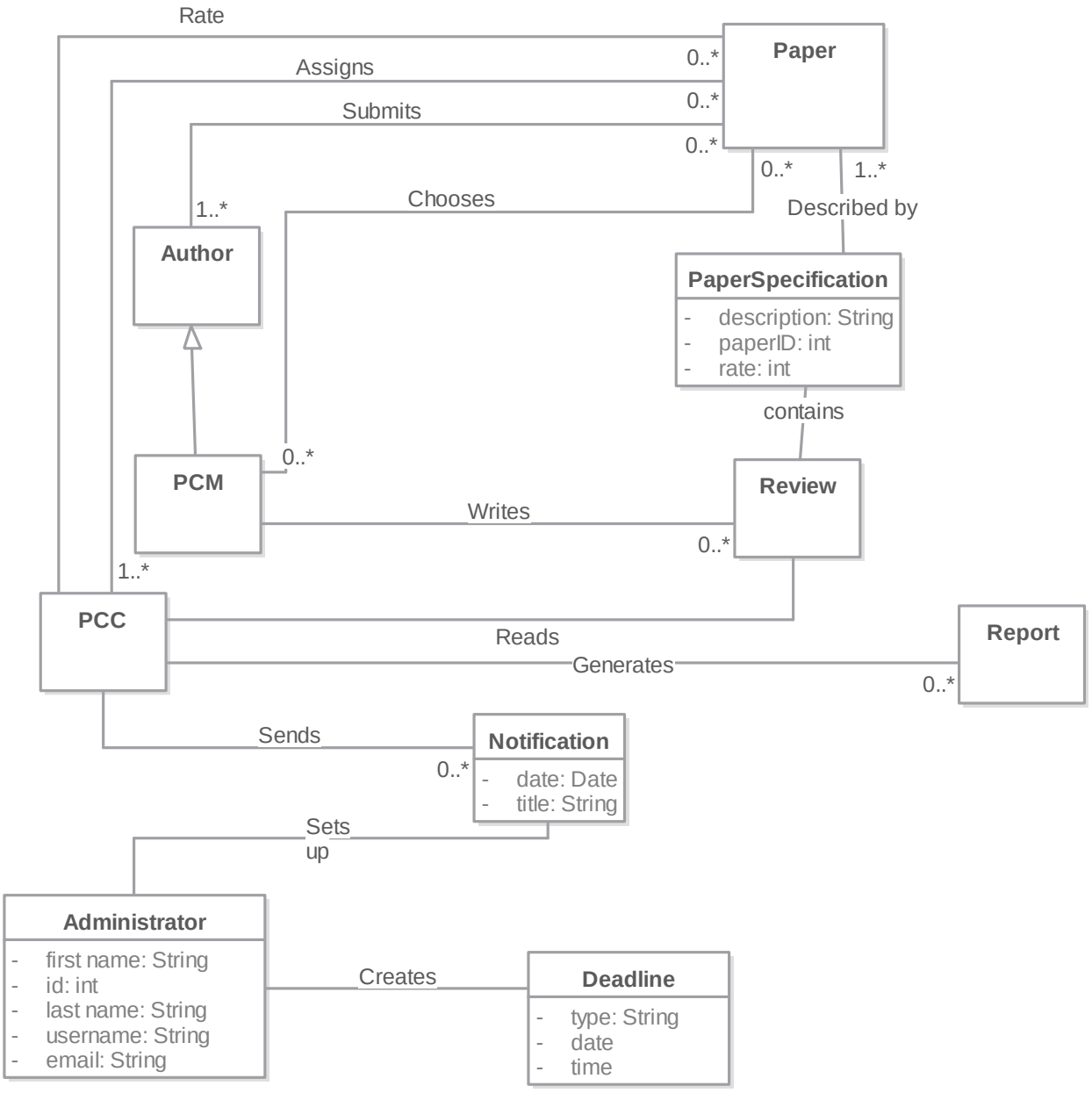
Rate Paper 25

Register 26

Set Deadline 27

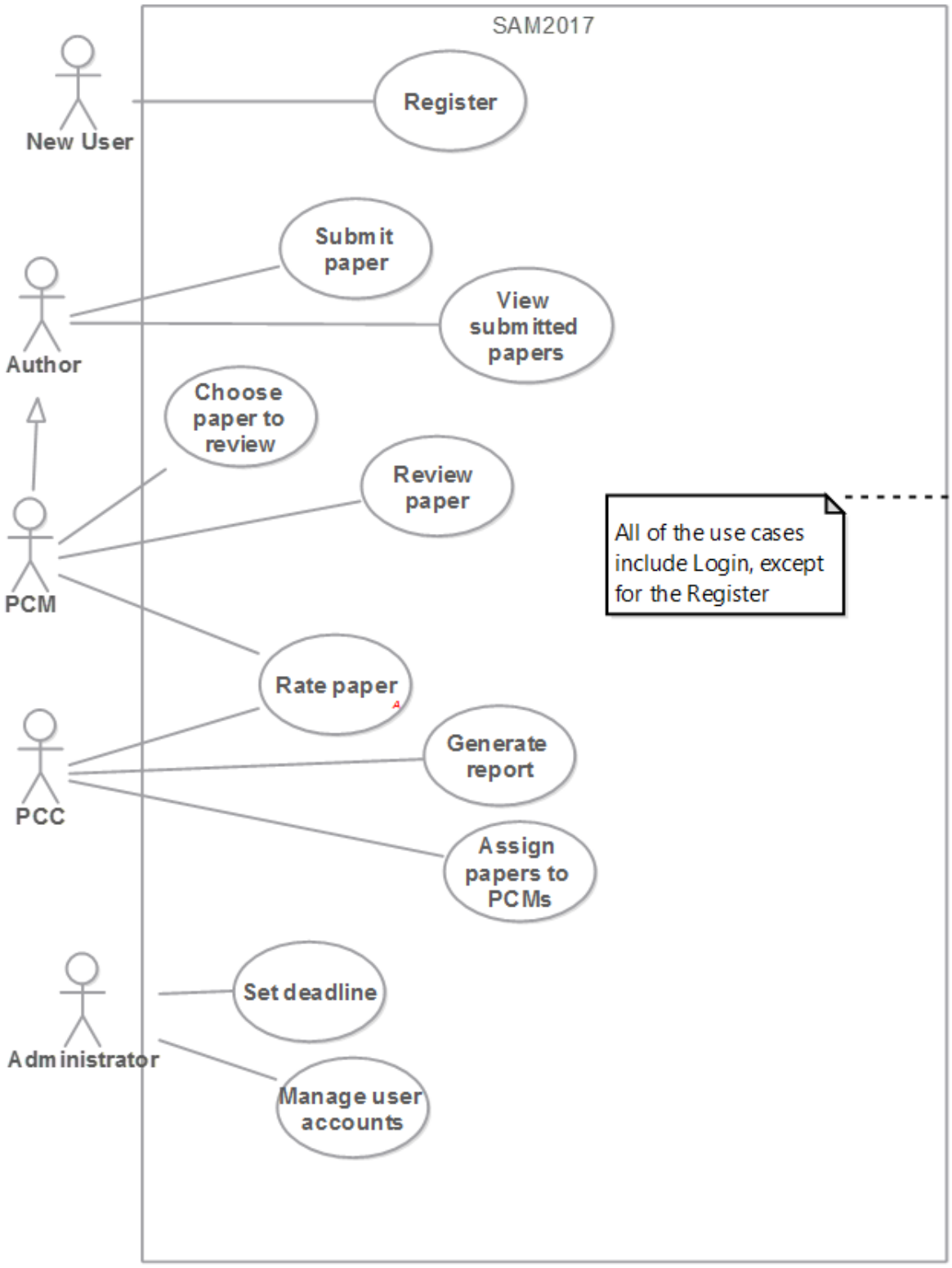
Manage User Accounts 28

DOMAIN MODEL



USE CASES

Diagram



Detailed Uses Cases Description

Use Case ID:	UC-01		
Use Case Name:	Register		
Created By:		**Last Updated By:**	
Date Created:	October 02, 2015	**Date Last Updated:**	October 02, 2015

Actors:	New user
Description:	New user (unregistered user), who wishes to access SAM 2017 registers in the system.
Trigger:	An unregistered user visits the SAM2017 website and clicks register.
Preconditions:	1. SAM2017 is online & running.
Post - conditions:	1. The new user is now a registered user of SAM2017 and hence will be able to access SAM2017. 2. The user details are saved in the system.
Normal Flow:	1.1 The user enters the SAM2017 main site. 1.2 The system displays configured site. 1.3 The user selects register from the main site. 1.4 The system displays register form. 1.5 The user enters all the necessary details specified in the registration form (first name, middle initial, last name, e-mail, password). 1.6 The user then submits the form by clicking the 'Register' button. 1.7 The system informs the user about the success of the action.
Alternative Flows:	Not applicable
Exceptions:	1.0. E.1 The user fails to fill all the necessary fields. The System will display an error message telling the user that the field is required so they can fill it out.
***Includes:**	Not applicable.
Priority:	Not specified.
***Supplemental Information:**	Not applicable.

Use Case ID:	UC-02		
Use Case Name:	Login		
Created By:		**Last Updated By:**	
Date Created:	October 02, 2015	**Date Last Updated:**	October 02, 2015

Actors:	User
Description:	A user (registered user), who wishes to access SAM 2017 logs in to SAM2017 using appropriate credentials.
Trigger:	A registered user visits the SAM2017 website and clicks Login.
Preconditions:	1. SAM2017 is online & running. 2. The user must already be registered in the system.
Post - conditions:	1. The user is able to login to SAM2017 and access the functionalities available, depending on his profile.
Normal Flow:	2.1 The user enters SAM2017 main site. 2.2 The system displays main site that contains the login form. 2.3 The user types in the login credentials (email and password) and logs in. 2.4 The system redirects the user to the home page which contains information about the conference (name, date, time, location).
Alternative Flows:	2.1.1 User selects Cancel prompt.
Exceptions:	2.0. E.1 User types in wrong username or password. The System display an error message telling the user they provided the wrong email and password.
***Includes:**	Not applicable.
Priority:	Not specified.
***Supplemental Information:**	Not applicable.

Use Case ID:	UC-03		
Use Case Name:	Submit Paper		
Created By:		Last Updated By:	
Date Created:	October 02, 2015	Date Last Updated:	October 02, 2015

Actors:	Author
Description:	An author wishes to submit papers to the SAM2017 system.
Trigger:	A registered user visits the SAM2017 website and selects the submit paper option.
Preconditions:	1. SAM2017 is online & running. 2. The user should be registered & logged in to SAM2017. 3. The author has a paper to submit in SAM2017. 4. There is an option available to submit papers in SAM2017.
Post - conditions:	1. The author has successful submitted a paper into SAM2017. 2. The submitted paper is saved in the system and it is available to be processed by PCMs and PCCs. (normal flow) 4. The author is not able to submit the paper.(alternative flow)
Normal Flow:	3.1 The author selects the option to submit a paper. 3.2 The system displays paper submission form. 3.3 The author provides the necessary information (paper title, list of authors, preferred contact method, version number, and paper format) and selects the paper to be submitted from his local machine and clicks Submit. 3.4 The system saves the paper and notifies the author and PCCs about the paper submission.
Alternative Flows:	3.1.1 The author has previously submitted a paper and selects the option to submit another version of the paper. 3.3.1 The system displays the list of submitted papers to the user. 3.3.2 The author selects the paper from the list which he wants to resubmit. 3.3.3 The system displays the upload field. 3.3.4 The author uploads the new version of the paper. 3.3.5 The system saves the submitted version of the paper and shows a confirmation message to the author.
Exceptions:	3.0. E.1 Paper submission form has validation error. The system displays the error in which field it has occurred.
***Includes:**	Not applicable.
Priority:	Not specified.
***Supplemental Information:**	Not applicable.

Use Case ID:	UC-04		
Use Case Name:	View Submitted Papers		
Created By:		**Last Updated By:**	
Date Created:	October 02, 2015	**Date Last Updated:**	October 02, 2015

Actors:	Author
Description:	An author can view the papers submitted to SAM2017 system.
Trigger:	A registered author visits the SAM2017 website and selects the submit paper option.
Preconditions:	1. The author should be logged in to SAM2017. 2. The author has a minimum of one paper submitted to SAM2017. 3. There is an option available to view papers in SAM2017.
Post - conditions:	1. The author is able to successfully view the submitted paper in the system.
Normal Flow:	4.1 The author selects the option submitted papers. 4.2 The system displays a list of the papers that the author has submitted. 4.3 The author selects a submitted paper from the list to view it. 4.4 The system renders the selected paper to the author.
Alternative Flows:	Not applicable.
Exceptions:	4.0. E.1 There are no submitted papers from the author. The system will tell the author that he does not have any submitted papers.
***Includes:**	Not applicable.
Priority:	Not specified.
***Supplemental Information:**	Not applicable.

Use Case ID:	UC-05		
Use Case Name:	Choose paper(s) to review		
Created By:		**Last Updated By:**	
Date Created:	October 06, 2015	**Date Last Updated:**	October 06, 2015

Actors:	PCM
Description:	PCM selects the paper(s) from an initial list presented by the PCC.
Trigger:	Notification about available papers from PCC.
Preconditions:	1. Papers submission deadline reached. 2. At least one paper should have been submitted by an author. 3. PCM should be logged into the system.
Post conditions:	PCM chooses the paper(s) that he/she wants to review
Normal Flow:	5.1. PCM selects Choose Papers option. 5.2. System displays a list of papers to choose from. 5.3 PCM selects the paper(s) to review and submits the selected papers. 5.4. The System saves the chosen papers and displays a confirmation message.
Alternative Flows:	Not Applicable.
Exceptions:	5.0. E.1. PCM clicks on submit without selecting any paper, the system displays a message stating that the PCM must select at least one paper. 5.0. E.2 There are no papers to select from the list. The System will tell the user that there are no papers to choose from.
***Includes:**	Not applicable.
Priority:	Not specified.
***Supplemental Information:**	Not applicable.

Use Case ID:	UC-06		
Use Case Name:	Review and rate paper		
Created By:		**Last Updated By:**	
Date Created:	October 06, 2015	**Date Last Updated:**	October 06, 2015

Actors:	PCM
Description:	PCM reviews paper(s) assigned by the PCC.
Trigger:	PCC assigns paper(s) to PCM.
Preconditions:	1. PCM should have shown preference for at least one paper and submitted this preference to the PCC. 2. At least one paper to review should have been assigned to PCM from PCC.
Post conditions:	PCM reviews paper(s).
Normal Flow:	6.1 PCM selects Review and rate paper. 6.2 System displays a list of one or more papers assigned by PCC. 6.3 PCM selects a paper from the list to review and rate. 6.4 System displays template to the PCM for review. The template contains a text area for review and a list of numbers to select from one to ten for rating the paper. 6.5 PCM reviews and rates the paper using the given template and submits the review. 6.6 System saves the review and notifies the PCM about the action.
Alternative Flows:	Not applicable.
Exceptions:	6.0. E.1. PCM submits the review after deadline. The system proceeds to notify that no more submissions are allowed. 6.1. E.2. PCM submits an empty review. The system proceeds to inform the PCM that a review is required.
***Includes:**	Not applicable.
Priority:	Not specified.
***Supplemental Information:**	Not applicable.

Use Case ID:	UC-07		
Use Case Name:	Generate report		
Created By:	Jairo Pavel Veloz Vidal	**Last Updated By:**	Jairo Pavel Veloz Vidal
Date Created:	October 06, 2015	**Date Last Updated:**	October 07, 2015

Actors:	Program Committee Chair (PCC).
Description:	Generation of reports on the reviewed papers. PCCs shall be able to generate reports on the papers previously reviewed by PCMs.
Trigger:	A PCC wants to generate a report of a paper reviewed by its assigned PCMs.
Preconditions:	1. PCC must be already logged in on the system. 2. The paper selected to generate a report on must have already been reviewed by its PCMs.
Post - conditions:	1. PCC has a report on a paper reviewed by PCMs generated by the system (normal flow). 2. The system remains unchanged and the PCC does not have a report on any paper (alternative flow).
Normal Flow:	7.1 PCC clicks on the Reviewed Papers option from the menu. 7.2 The System displays a list of available papers (title) that have previously been reviewed by its PCMs. 7.3 PCC clicks on the Generate Report button next to the paper he/she wants to generate the report on. 7.4 The system will generate and show a report to the PCC containing the information (submission date, category, title, author name) of the paper and the names, reviews, and rates given by the PCMs of that particular paper.
Alternative Flows:	Not applicable
Exceptions:	7.0. E.1 There are no papers that have been reviewed by its PCMs. The system notifies the PCC that no paper has been reviewed.
***Includes:**	Not applicable
Priority:	Not specified
***Supplemental Information:**	Not applicable

Use Case ID:	UC-08		
Use Case Name:	Assigns paper to PCMs		
Created By:	Jairo Pavel Veloz Vidal	**Last Updated By:**	Jairo Pavel Veloz Vidal
Date Created:	October 07, 2015	**Date Last Updated:**	October 07, 2015

Actors:	Program Committee Chair (PCC).
Description:	Assignment of papers to Program Committee Members (PCMs) for reviews and rating. PCCs can assign three PCMs for each paper.
Trigger:	A PCC needs to assign PCMs to papers so PCMs review and rate their assigned papers.
Preconditions:	1. PCC must be already logged in on the system. 2. At least a PCM should have applied to review a paper.
Post - conditions:	1. Each paper has a maximum of three PCMs assigned. PCMs with an assigned paper can read, review, and rate the assigned paper. 2. The system remains unchanged and the PCC does not assign any PCM to any paper to be reviewed and rated (alternative flow).
Normal Flow:	8.1. PCC selects Assign Paper from the menu bar. 8.2 System displays the list of papers with the number of PCMs that have applied to review that paper. 8.3. PCC selects a paper from the list. 8.4. System displays all the PCMS that have applied to review the paper. 8.5. PCC selects at max three PCMs to review the selected paper and clicks APPLY. 8.6. System displays a confirmation message of the action to the PCC.
Alternative Flows:	Not applicable
Exceptions:	8.0. E.1 The PCC clicks the Save button and there are papers with unassigned PCMs or with less than three assigned PCMs. The System will display an error message letting the PCC know that he/she needs to assign three PCMs to every paper. 8.0. E.2. There are no available papers to assign. The system displays the message “There are no submitted papers”. 8.0. E.3 There are no PCMs who have applied to review the selected paper. The system display the message “No PCM has chosen a paper to review”
***Includes:**	Not applicable
Priority:	Not specified
***Supplemental Information:**	Not applicable

Use Case ID:	UC-9		
Use Case Name:	Rate the paper		
Created By:		Last Updated By:	
Date Created:	October 02, 2015	Date Last Updated:	October 02, 2015

Actors:	PCC
Description:	Enables the PCC to give the final rating to the paper.
Trigger:	All of the paper's PCMs have submitted their reviews.
Preconditions:	Paper should have all the reviews available to PCC. PCC should be logged in.
Post - conditions:	A paper has been given a final rate from the PCC.
Normal Flow:	9.1 PCC selects rate paper from the main menu. 10.2 The system displays all the papers that have been reviewed by their own PCMs. 9.3 PCC selects the paper that he wants to rate. 9.4 The system displays paper's reviews and ratings which were submitted by paper's PCMs. 9.5 PCC reads the paper reviews and rates the paper by selecting a rating number. PCC submits the rating. 9.6 System shows a notification message to PCC.
Alternative Flows:	9.1 PCC reads the paper reviews and decides that there's a conflict in the paper. 9.2 PCC selects conflict paper button. 9.3 The system shows a notification message to the PCC and notifies paper's reviewers for the conflict. 9.4 PCM selects the paper that he wants to resolve the conflict. 9.5 The system displays the reviews of two other paper PCMs as well as his own review. 9.6 PCM reads the paper reviews and edits/modifies his own review and rating. PCM submits the new review. 9.7 System saves the new review and shows a notification message to PCC. 9.8 PCC decides there's no conflict in the paper reviews and rates the paper.
Exceptions:	9.0. E.1 There are no papers that have been reviewed by all of their PCMS. The system informs the PCC that the paper does not have all the reviews.
***Includes:**	Not applicable.
Priority:	Not specified.
***Supplemental Information:**	Not applicable.

Use Case ID:	UC-10		
Use Case Name:	Set Deadlines		
Created By:		**Last Updated By:**	
Date Created:	October 02, 2015	**Date Last Updated:**	October 02, 2015

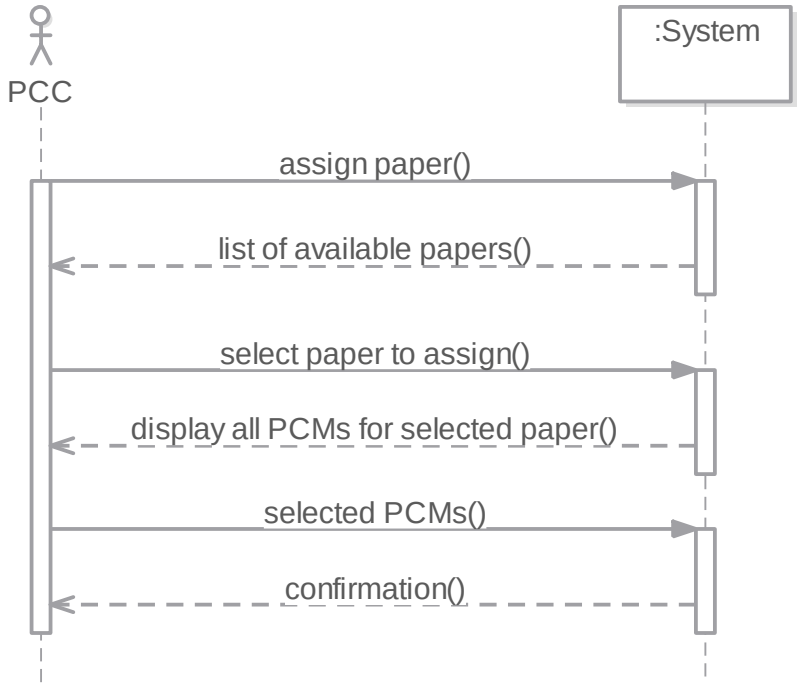
Actors:	Administrator
Description:	The Admin of SAM2017 is able to set paper submission deadline, review choice deadline, review submission deadline, author notification deadline.
Trigger:	An admin visits the SAM2017 website and selects the set deadline option.
Preconditions:	1. SAM2017 is online & running. 2. The admin must be registered & logged in to SAM2017. 3. There is an option available to set deadlines in SAM2017.
Post - conditions:	1. The administrator is able to set paper submission deadline, review choice deadline, review submission deadline, author notification deadline. (normal flow) 2. The paper deadline is available to all: ▪ The authors planning to submit the paper will be able to see the paper submission deadline ▪ The PCMs will be able to see the review choice deadline ▪ The PCCs will be able to see the review submission deadline
Normal Flow:	10.1 The admin selects the option to set deadlines. 10.2 The system displays a form that contains the deadline choices and the date that he wants to set the deadline. 10.4 The admin selects an event from the list options, which include set paper submission, review choice, review submission and author notification deadline. 10.5 The system displays the date field based on the deadline that he wants to set. 10.6 The admin selects the date for the selected event and sets the deadline. 10.7 The system saves the deadline and notifies the admin about the action.
Alternative Flows:	Not applicable
Exceptions:	10.0. E.1 Admin sets a choice paper deadline before paper submission deadline. The system displays "Paper deadline comes first" 10.0. E.2 Admin sets a review submission deadline before paper and choice submission deadline. System displays "Review submission deadline comes after choice". 10.0. E.3 Admin sets an author notification deadline before paper submission, choice paper and review submission deadline.
***Includes:**	Not applicable
Priority:	Not specified
***Supplemental Information:**	

Use Case ID:	UC-11		
Use Case Name:	Manage user accounts		
Created By:		**Last Updated By:**	
Date Created:	October 02, 2015	**Date Last Updated:**	October 02, 2015

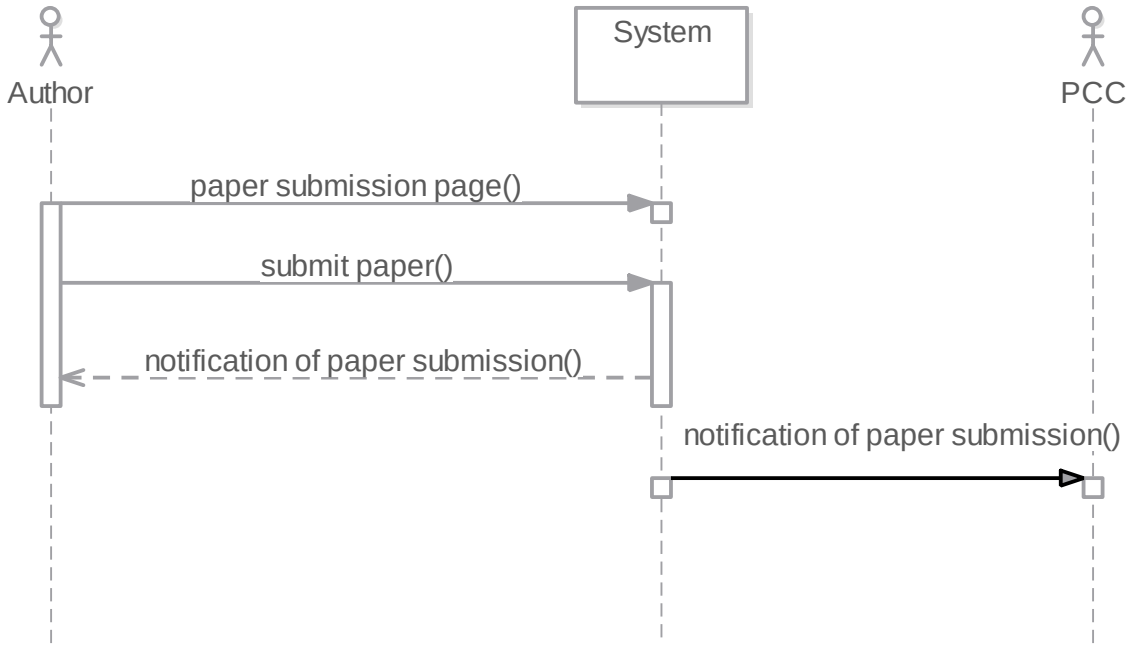
Actors:	Administrator
Description:	The Admin of SAM2017 is able to manage accounts of every user.
Trigger:	An admin visits the SAM2017 website and selects the set deadline option.
Preconditions:	1. SAM2017 is online & running. 2. The admin must be registered. 3. Admin should be logged in to the system.
Post - conditions:	1. A new user is created. 2. A role has been assigned to the user.
Normal Flow:	11.2 The admin selects a user from the list that has been previously registered to SAM2017. 11.3 The system displays the registration form filled with the current information for that user. 11.4 The admin assigns the role to the user by choosing it under the role id field. Admin saves the changes to the user. 11.5 System notifies the admin about the changes.
Alternative Flows:	11.1.1. The admin changes any of the user's information (first name, last name, e-mail, and password). 11.1.2. System notifies the admin about the changes. 11.2.1 The admin deletes the user from the system. 11.2.2 System notifies the admin about the action. 11.3.1 The admin selects add Users from the site. 11.3.2 The system displays registration form including first name, last name, middle initial name, email address, password and role which can be either PCC or PCM. 11.3.3 The admin completes the form and submits 11.3.4 The system saves the user and notifies the admin about the action.
Exceptions:	11.0. E.1 Admin does not fill properly the required fields when registering the user. System displays validation error.
***Includes:**	Not applicable
Priority:	Not specified
***Supplemental Information:**	

SYSTEM SEQUENCE DIAGRAM

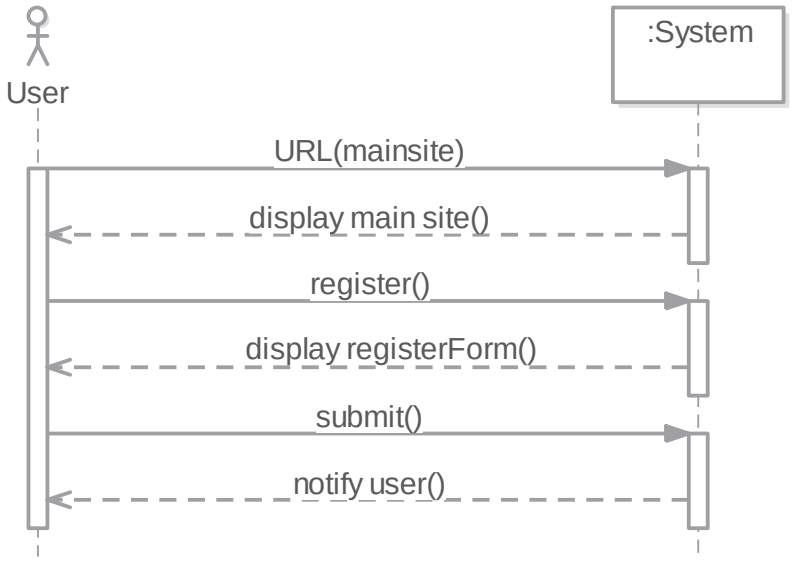
Assign papers to PCMs



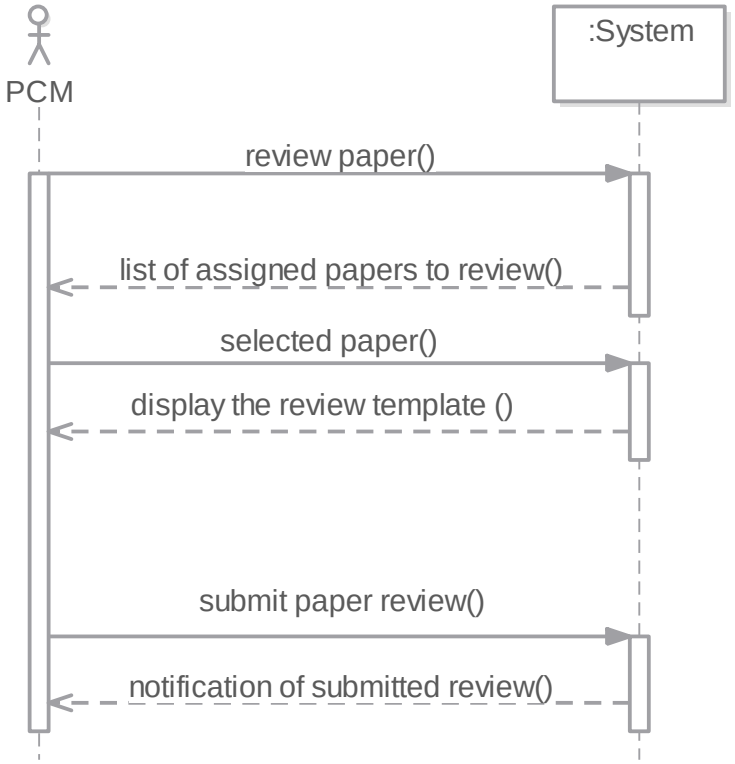
Submit Paper



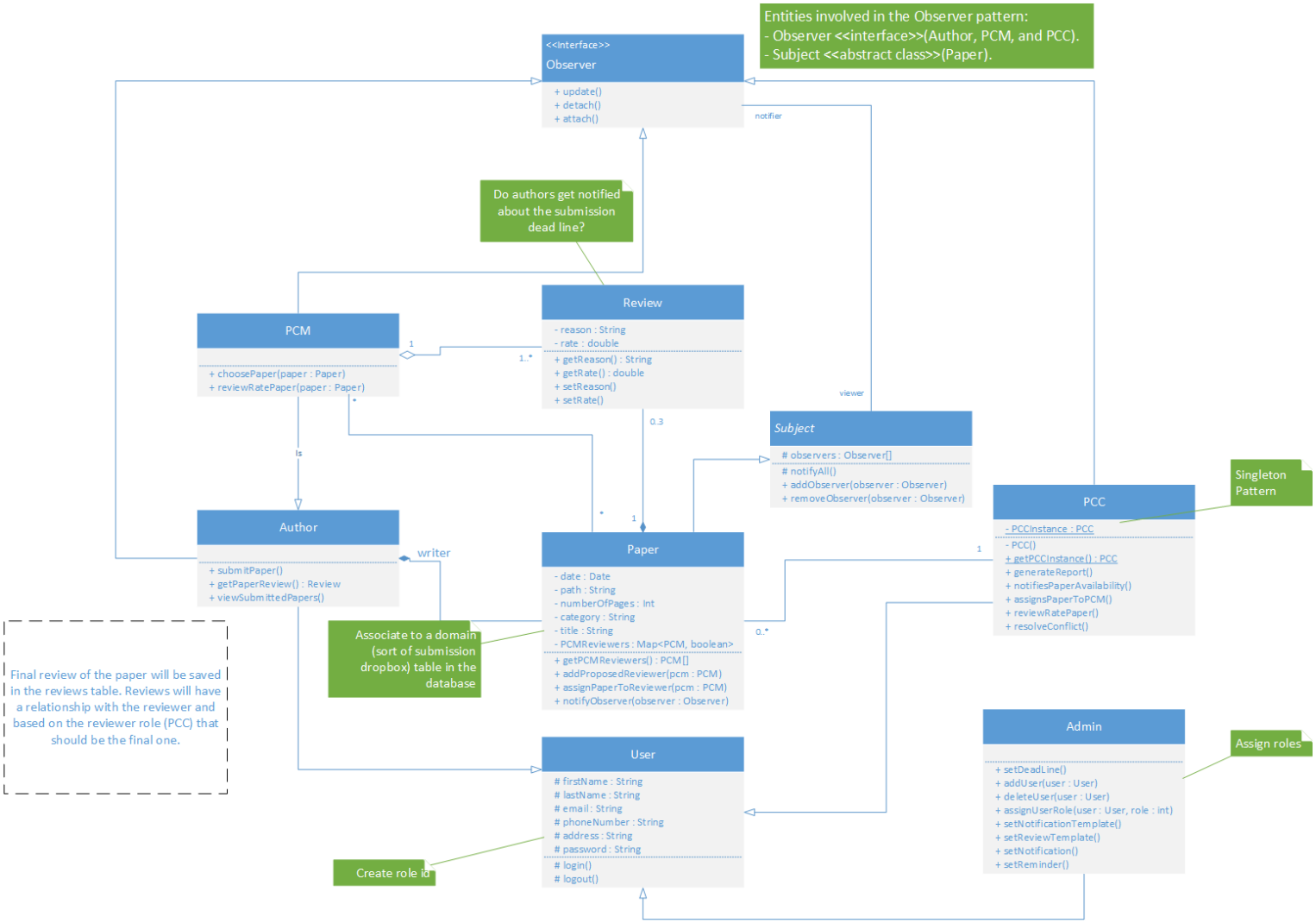
Register



Review Paper

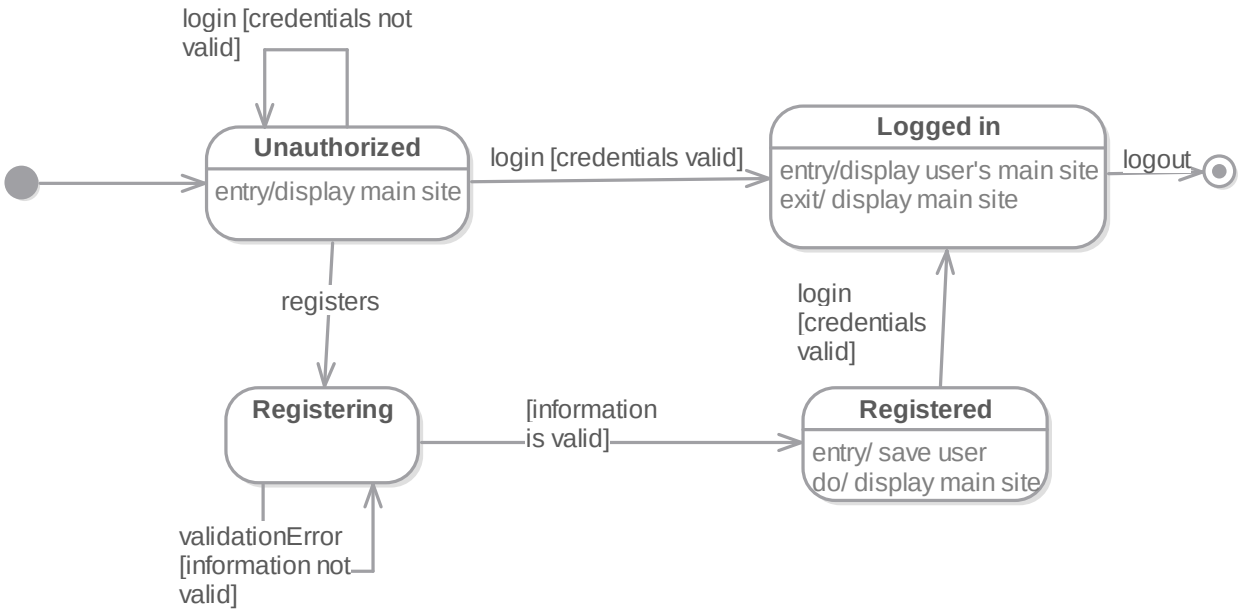


CLASS DIAGRAM

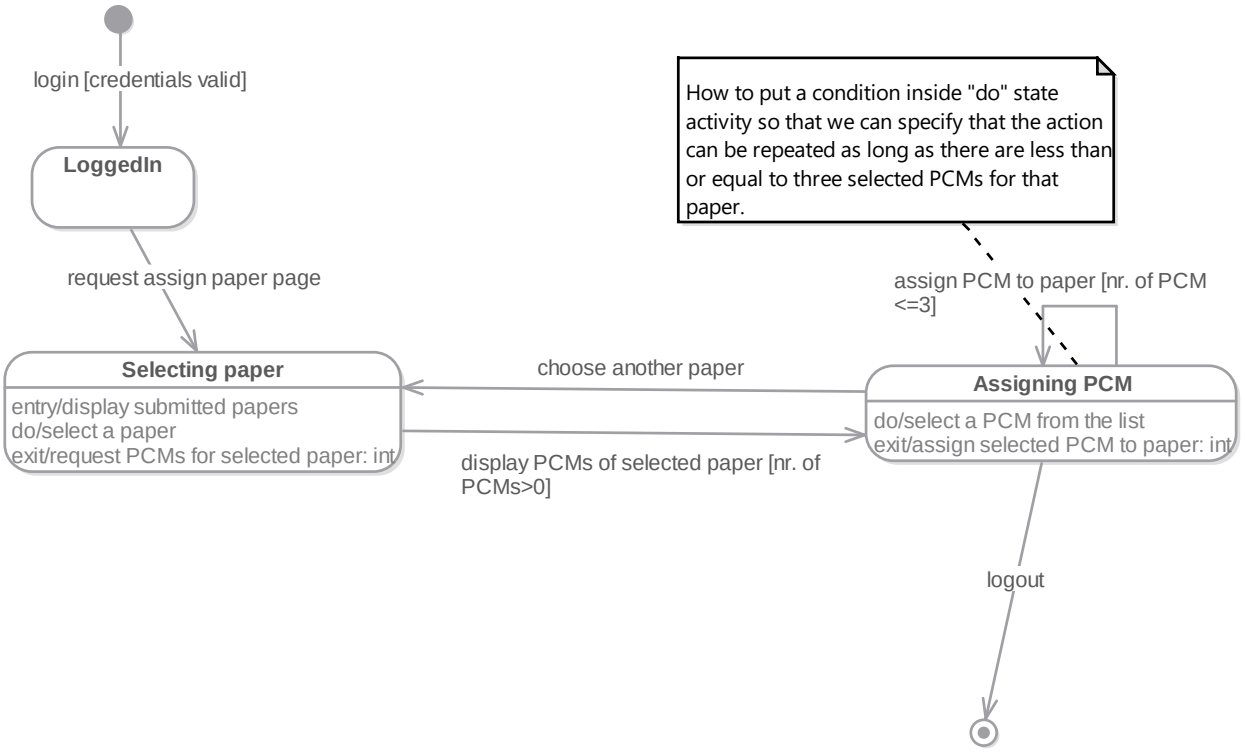


STATE MACHINE DIAGRAM

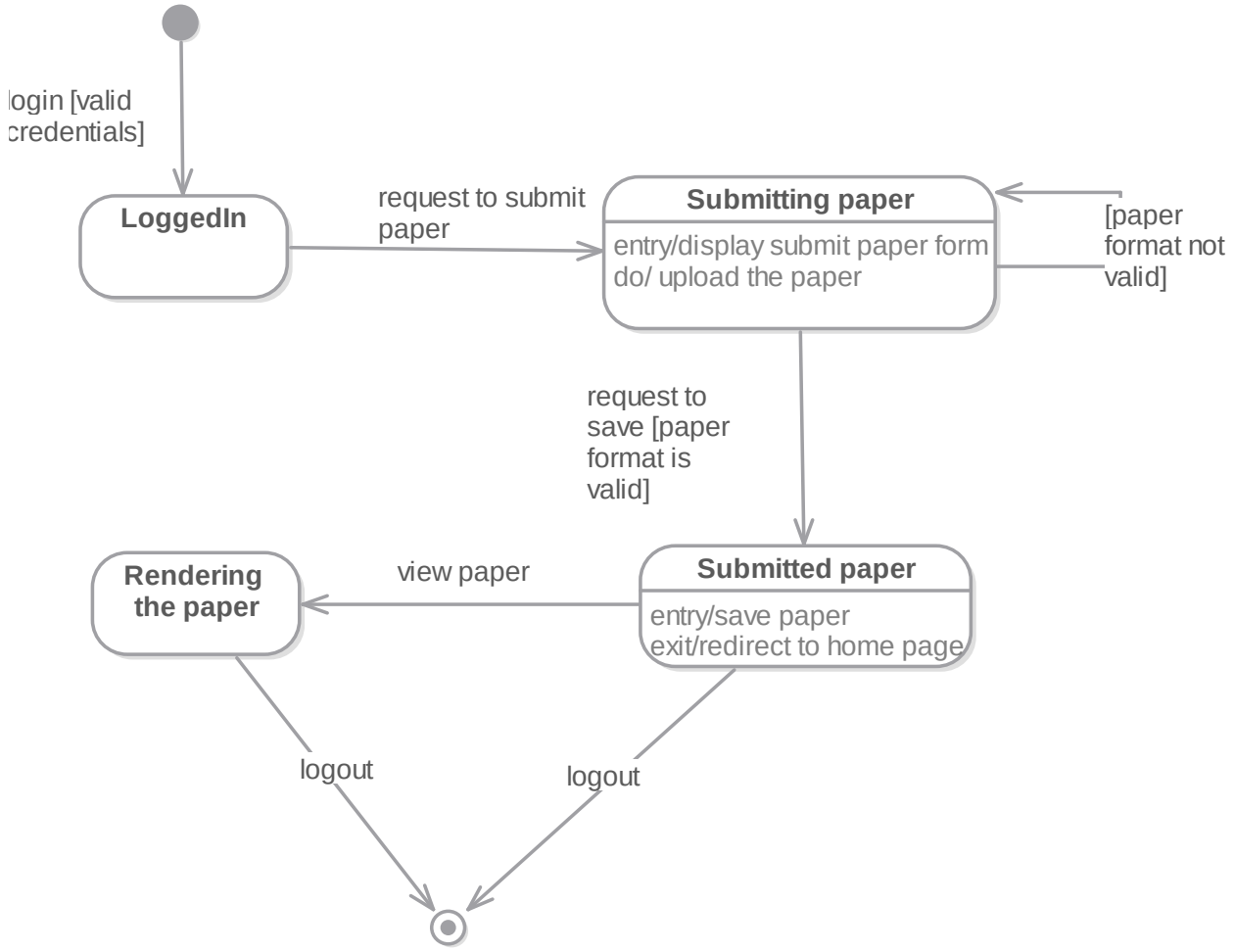
Register



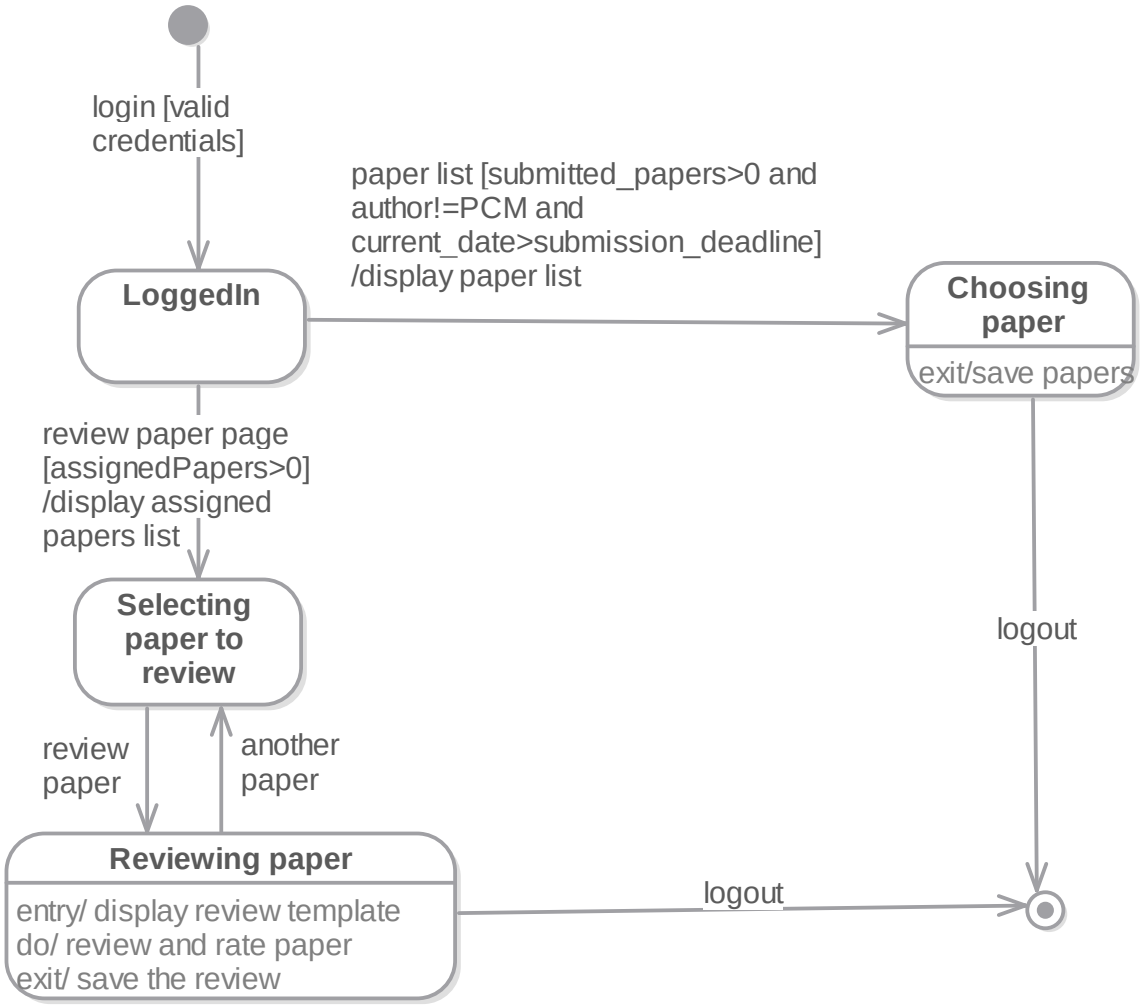
Assign/Rate


login [credentials valid]
LoggedIn
request assign paper page
Selecting paper
entry/display submitted papers
do/select a paper
exit/request PCMs for selected paper: int
choose another paper
display PCMs of selected paper [nr. of PCMs>0]
How to put a condition inside "do" state activity so that we can specify that the action can be repeated as long as there are less than or equal to three selected PCMs for that paper.
assign PCM to paper [nr. of PCM <=3]
Assigning PCM
do/select a PCM from the list
exit/assign selected PCM to paper: int
logout

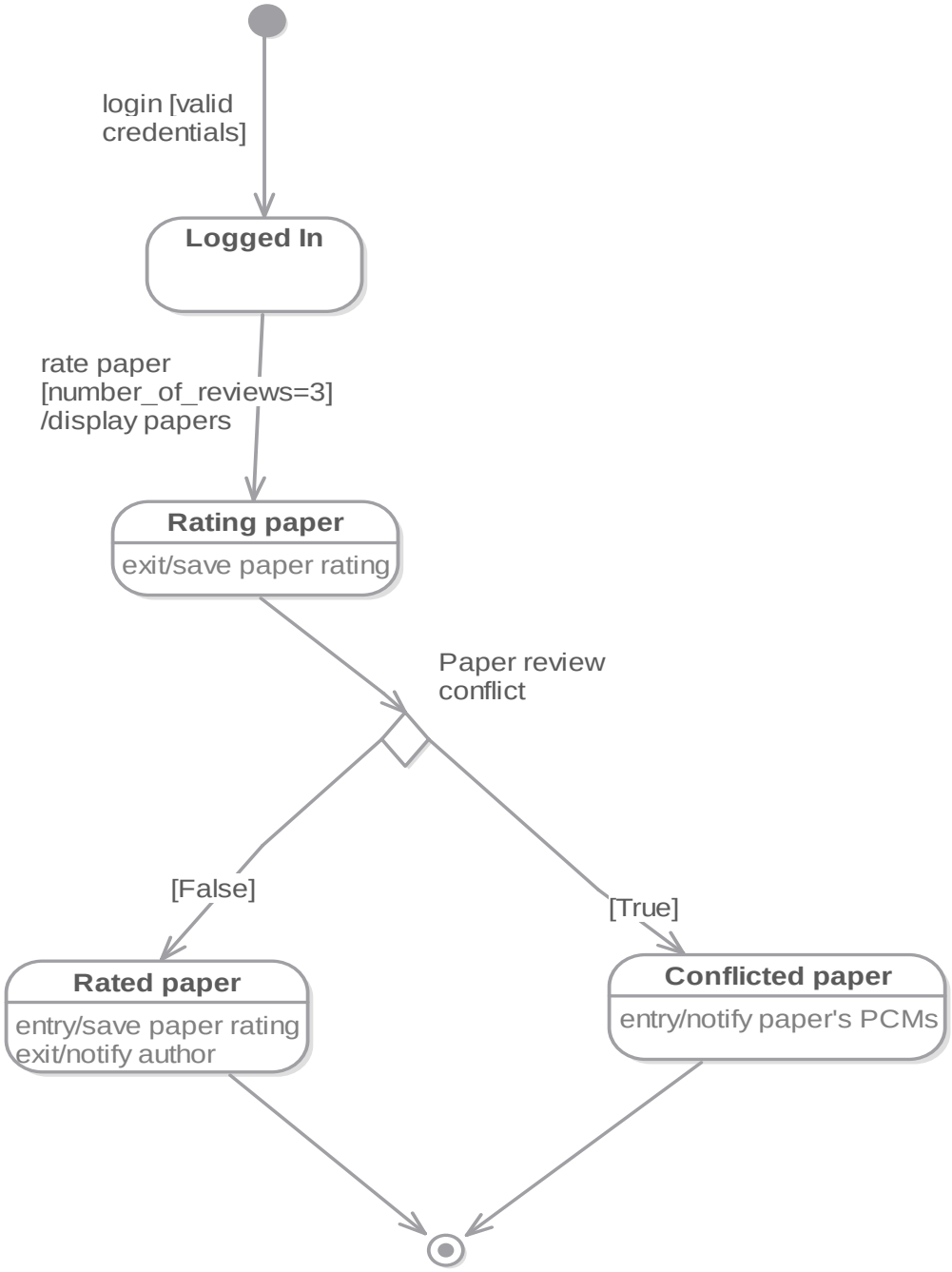
Submit/View Paper



Choose/Review Paper

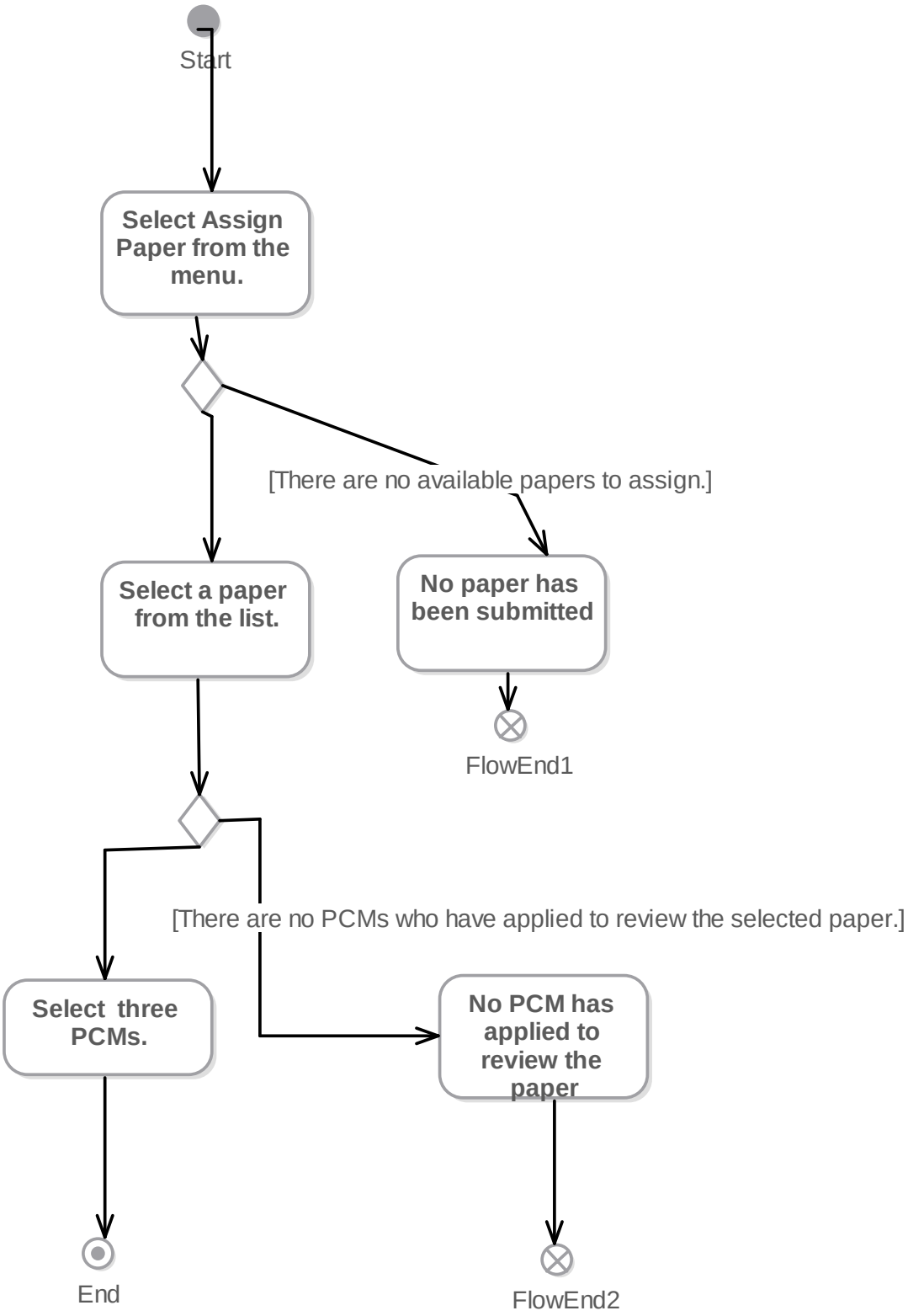


Rate Paper

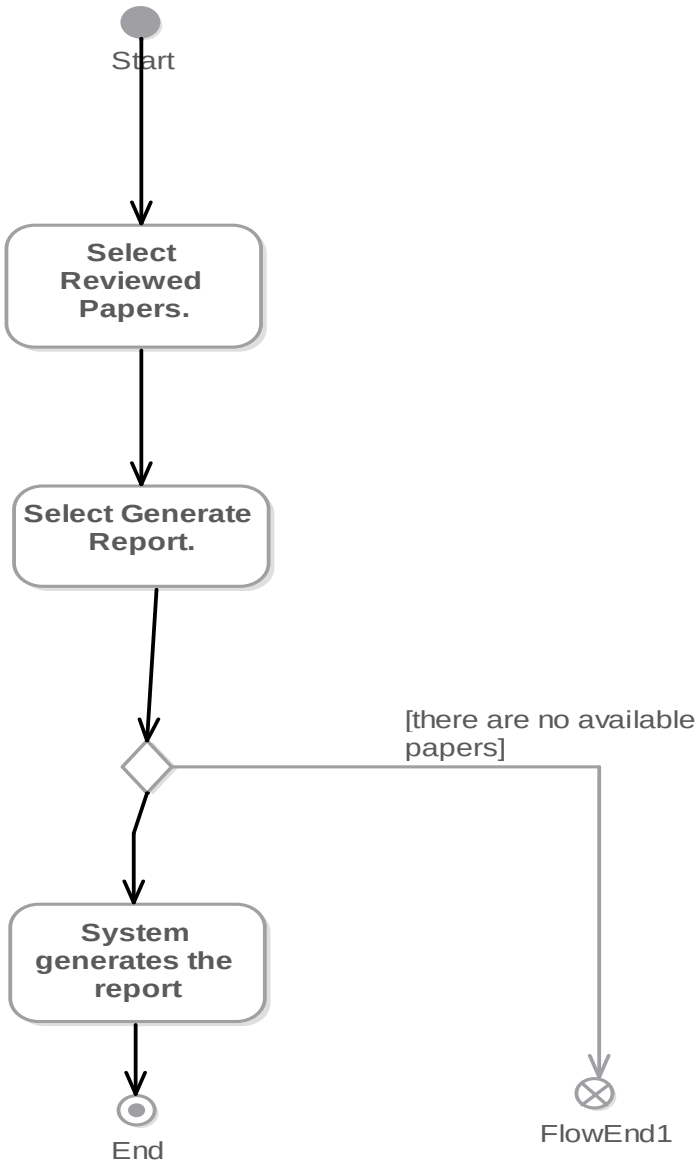

login [valid credentials]
Logged In
rate paper [number_of_reviews=3] /display papers
Rating paper
exit/save paper rating
Paper review conflict
[False]
[True]
Rated paper
entry/save paper rating
exit/notify author
Conflicted paper
entry/notify paper's PCMs

ACTIVITY DIAGRAM

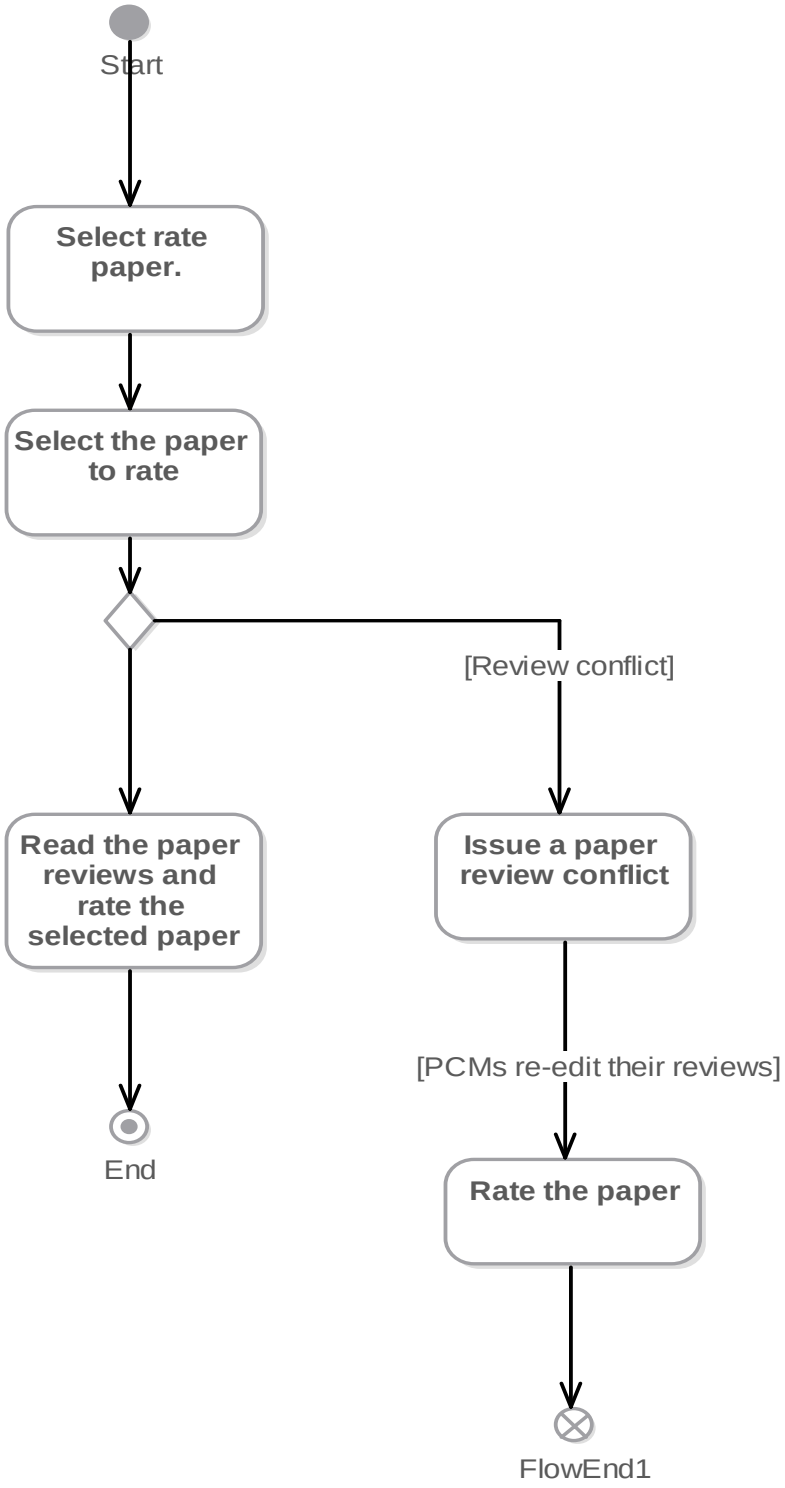
Assign Papers to PCM



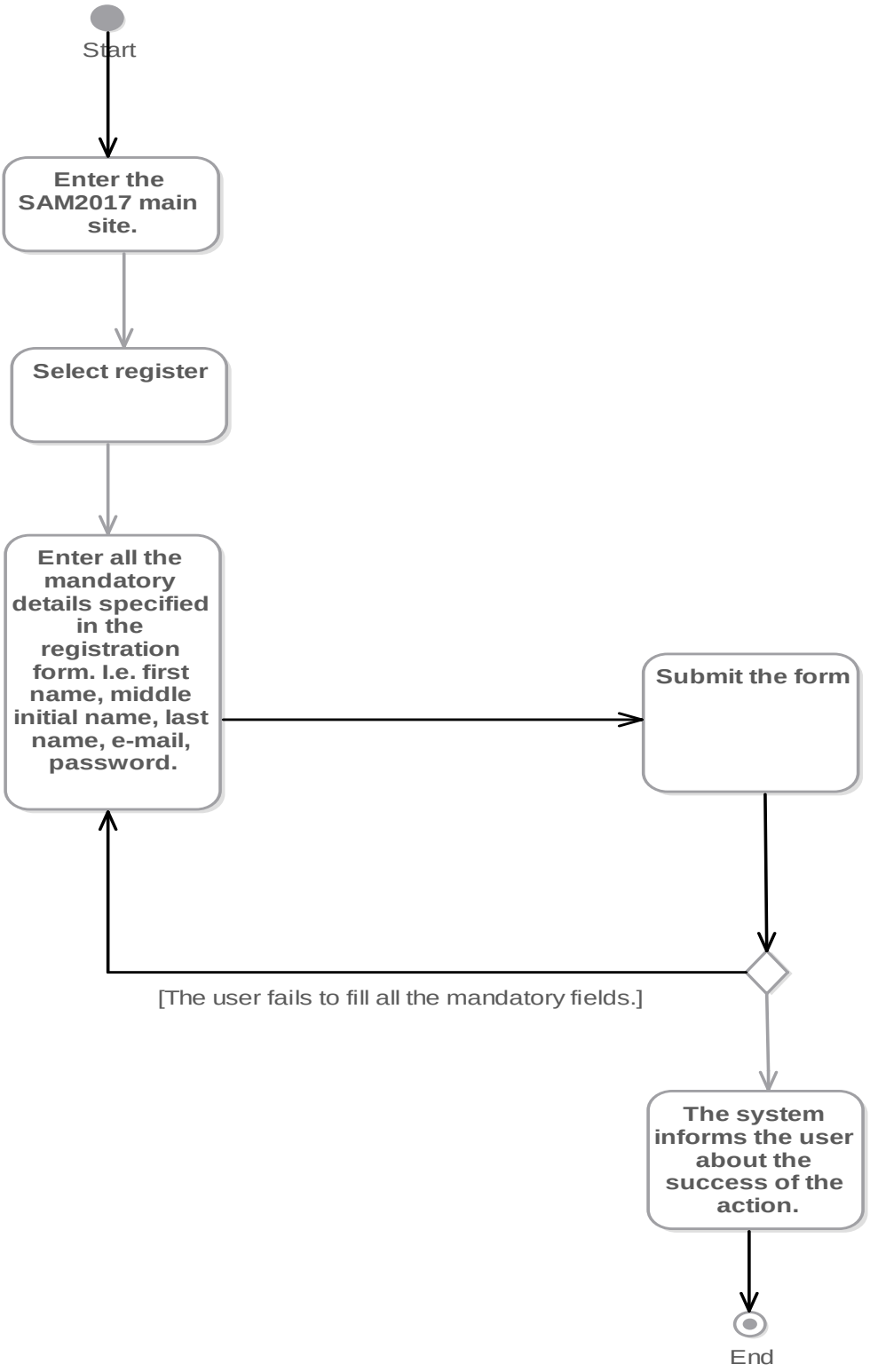
Generate Report



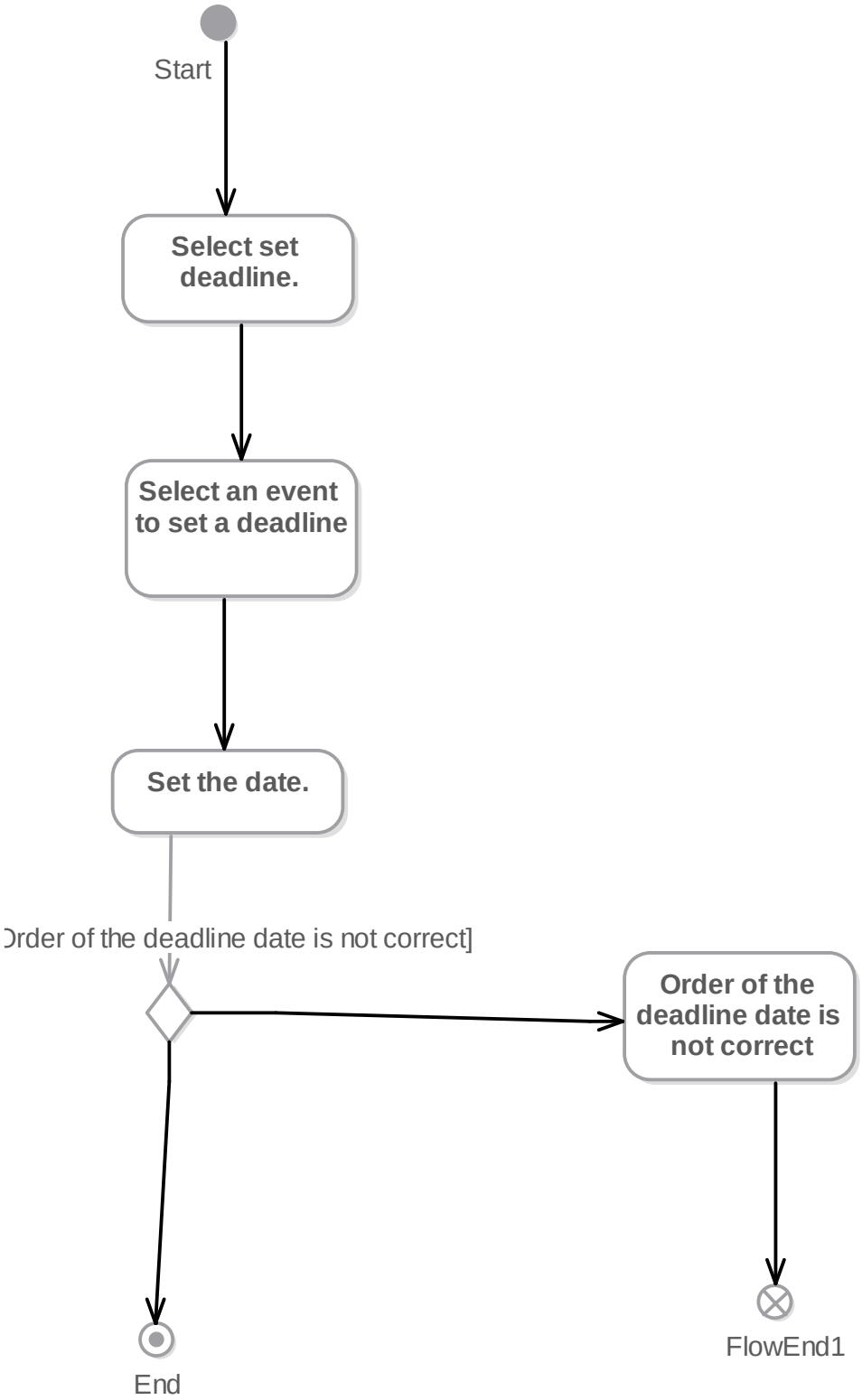
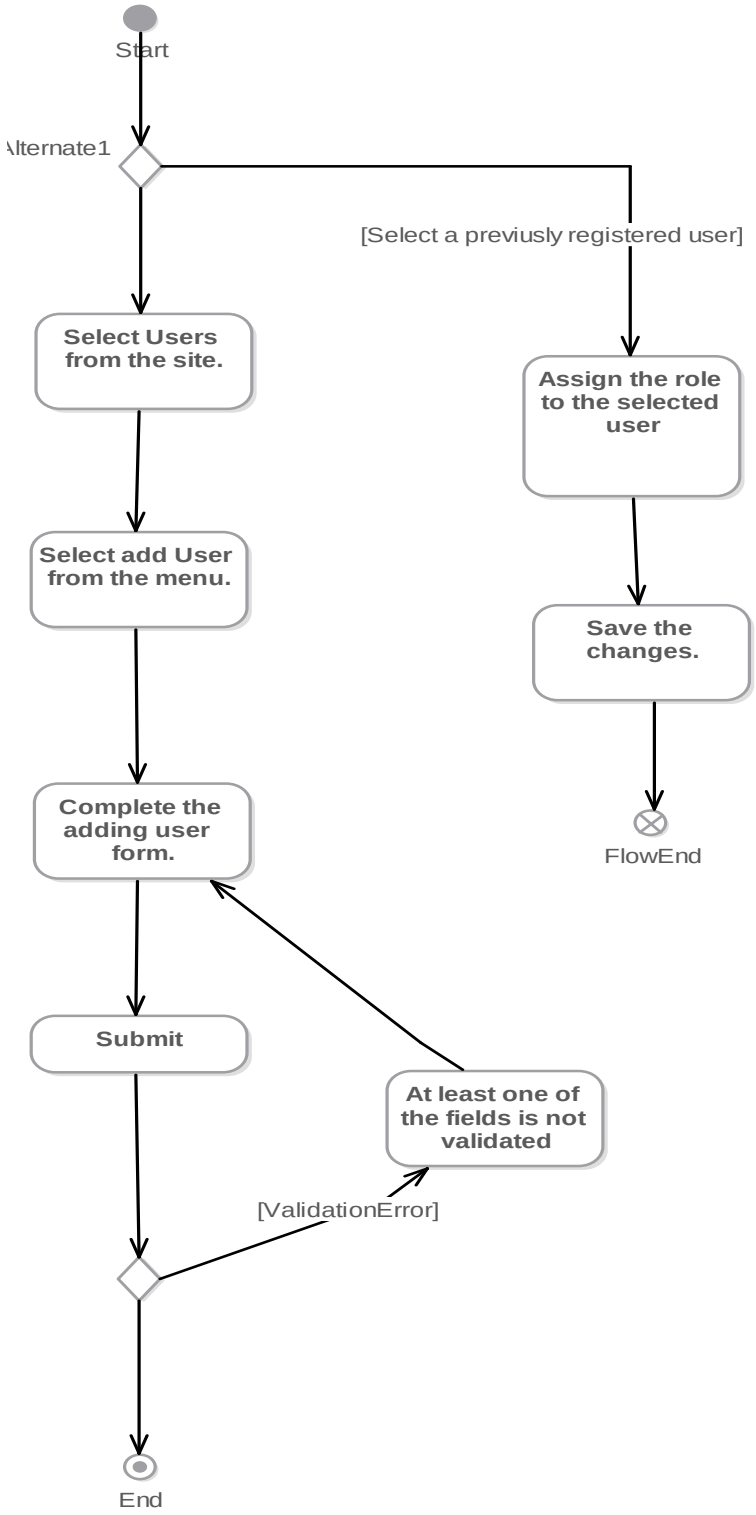
Rate Paper


Start
Select rate paper.
Select the paper to rate
[Review conflict]
Read the paper reviews and rate the selected paper
Issue a paper review conflict
End
[PCMs re-edit their reviews]
Rate the paper
FlowEnd1

Register


Start
Enter the SAM2017 main site.
Select register
Enter all the mandatory details specified in the registration form. I.e. first name, middle initial name, last name, e-mail, password.
Submit the form
[The user fails to fill all the mandatory fields.]
The system informs the user about the success of the action.
End

Set Deadline



Manage User Accounts