SAM 2017

Team No: 3

Akil Udaykumar

Amitendu Panja

Kunal Setpal

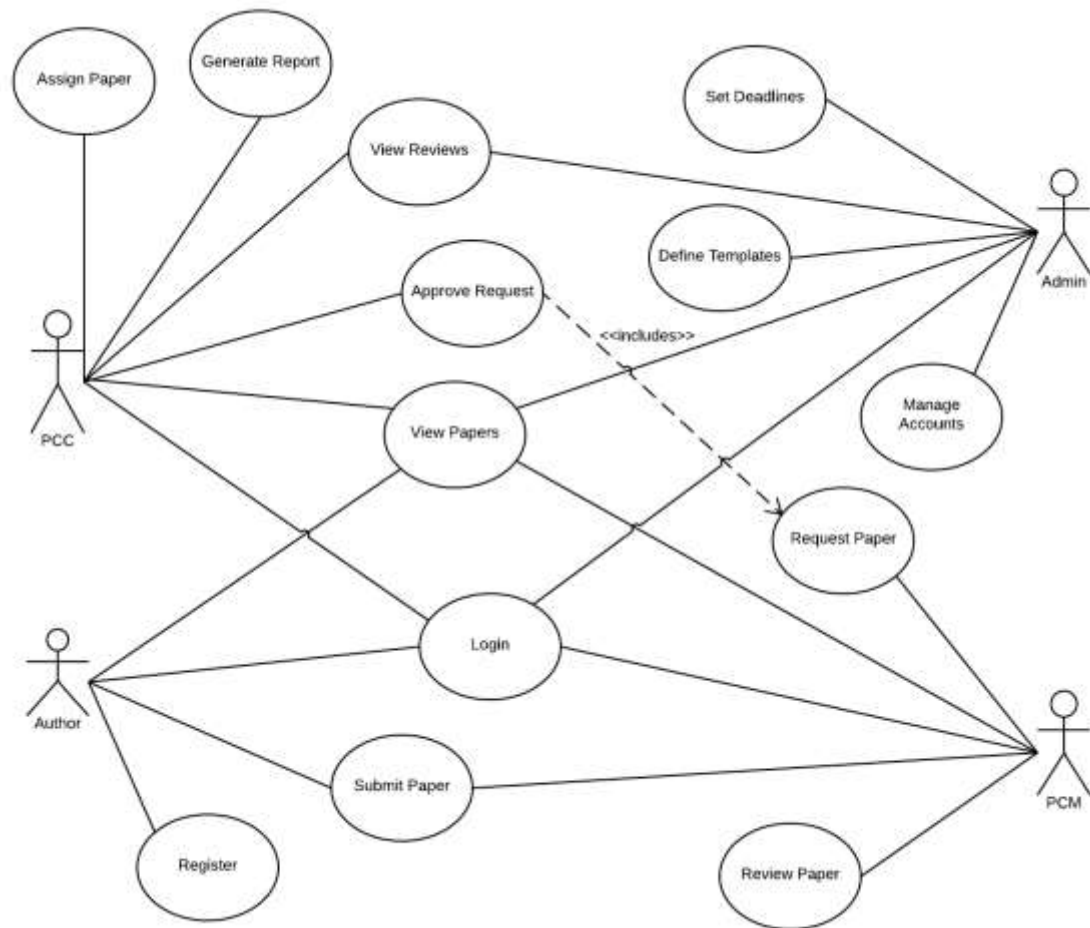Mityash Dhaggai

Contents:

1. Use Case

1.1. Use Case Diagram

1.2. Use Case Templates

Use Case ID:	01	
Use Case Name:	Set Deadlines	
Created By:	Akil Udayakumar	Last Updated By:
Date Created:	10/10/15	Date Last Updated:

Actors:	Administrator.
Description:	The Administrator can set the deadlines for any event like paper submission deadline, Review choice deadline, Review submission deadline, Author notification deadline.
Trigger:	The Administrator wants to set a deadline for an event.
Preconditions:	The Administrator needs to be logged in the system to set the deadline. The system must be up and running.
Postconditions:	The Deadline for the event is set.
Normal Flow:	1.1 The administrator selects the "set deadline" option in the system. 1.2 The system displays the "set deadline" page. 1.3 The administrator enters the relevant time and date of the deadline and the event for which the administrator wishes to set the deadline for. 1.4 The system sets the deadline for the specified event and informs the administrator that the deadline is set.
Alternative Flows:	1.4. - The system displays the "set deadline" page. - The administrator enters the relevant time and date of the deadline. - The administrator sets an invalid date. - The system displays an error message to the administrator that the date is invalid.
Exceptions:	
*Includes:	<<login>>
Priority:	Secondary Priority.
*Supplemental Info	

Use Case ID:	02		
Use Case Name:	Manage Accounts.		
Created By:	Akil Udayakumar	Last Updated By:	
Date Created:	10/10/15	Date Last Updated:	

Actors:	Administrator.
Description:	The Administrator can manage accounts of all users in the system; the administrator can add, delete or modify user accounts.
Trigger:	The Administrator wants to modify/add a user account.
Preconditions:	The Administrator needs to be logged in the system to set the deadline. The system must be up and running.
Postconditions:	The user account is modified or a new account is created.
Normal Flow:	User account creation. 2.1. The administrator selects the "create account" option in the system. 2.2. The system displays the "create account" page. 2.3. The administrator enters the relevant information. 2.4. The system creates a new user account. User account modification. 2.1. The administrator selects the "modify account" option in the system. 2.2. The system displays the "modify account" page. 2.3. The administrator selects the user account and enters the relevant information. 2.4. The system saves the user account is details.

Alternative Flows:	2- The system displays the "modify account" page.
	   - The administrator tries to modify an account that does not exist.
	   - The system displays an error message to the administrator that the user account does not exist.

Exceptions:	
*Includes:	<<login>>
Priority:	Secondary Priority.
*Supplemental Info	

Use Case ID:	03	
Use Case Name:	Define Templates	
Created By:	Akil Udayakumar	Last Updated By:
Date Created:	10/10/15	Date Last Updated:

Actors:	Administrator
Description:	The Administrator can define templates for the information about a paper and for the reviewing a paper.
Trigger:	The Administrator wants to set a new template
Preconditions:	The Administrator needs to be logged. The system must be up and running.
Postconditions:	The template is defined and accessible to the users.
Normal Flow:	3.1. The Administrator selects the "Define Template" option. 3.2. The system displays the set Template page. 3.3. The administrator chooses a file to upload and selects the purpose of the template 3.4. The system sets the template and makes it accessible to the users.
Alternative Flows:	Deadline is over for Paper submission. ● The administrator selects the "Define Template" option. ● The system displays the set Template page. ● The administrator sets a template for the information about the paper. ● The system shows an error dialog as the deadline for the paper submission is over.
Exceptions:	
*Includes:	<<login>>
Priority:	Secondary Priority.
*Supplemental Info	

Use Case Template :

Use Case ID:	04		
Use Case Name:	View Papers		
Created By:	Akil Udayakumar	Last Updated By:	
Date Created:	10/11/15	Date Last Updated:	

Actors:	Administrator, Author, PCC, PCM
Description:	The users who are logged in can view the submitted papers.
Trigger:	The user wants to view the submitted paper.
Preconditions:	The user needs to be logged in the system. The system must be up and running.
Postconditions:	The paper is accessible to the user
Normal Flow:	4.1. The user selects the "view paper" option ● The system displays the list of papers submitted that are accessible to the user. ● The user selects a paper from the list. ● The system makes the paper accessible to the user.
Alternative Flows:	● The user selects the "view paper" option ● The system displays the view papers page ● There are currently no papers submitted.
Exceptions:	
*Includes:	<<login>>
Priority:	Primary Priority.
*Supplemental Info	The author can only view and access their own papers that they submitted. The PCM can only access the papers that they submitted and the papers that they are assigned to review.

Use Case Template

Use Case ID:	05		
Use Case Name:	View Reviews		
Created By:	Akil Udayakumar	Last Updated By:	
Date Created:	10/11/15	Date Last Updated:	

Actors:	Administrator, PCC
Description:	The Administrator and the PCC can view the reviews created by the PCM's.
Trigger:	The Administrator or the PCC wants to access the reviews of the submitted papers.
Preconditions:	The user(Administrator, PCM) needs to be logged in the system to set the deadline. The system must be up and running.
Postconditions:	The review is accessible to the user.
Normal Flow:	5.1. The user selects the "select reviews" option. 5.2. The system displays the reviews page. 5.3. The user chooses the desired review. 5.4. The system makes the review accessible to the user.
Alternative Flows:	● The user selects the "select reviews" option. ● The system displays the reviews page.. ● The review page is empty, it does not have any reviews yet.
Exceptions:	
*Includes:	<<login>>
Priority:	Secondary Priority.
*Supplemental Info	

Use Case ID:	06		
Use Case Name:	Review Paper.		
Created By:	Mitayshh	Last Updated By:	Mitayshh
Date Created:		Date Last Updated:	

Actors:	PCM
Description:	Allows the PCM to choose the option to request paper.
Trigger:	PCM initiates the process.
Preconditions:	PCM must be logged in. System must be up and running.
Postconditions:	The PCM successfully requests the paper.
Normal Flow:	6.1. The PCM selects the "request paper" option. 6.2. The system displays a list of papers available for selection. 6.3. The PCM selects a particular paper and submits the request.
Alternative Flows:	6.2 No papers are available to be reviewed.
Exceptions:	6.0.E.1 Paper not found
*Includes:	
Priority:	Primary Priority.
*Supplemental Information:	

Use Case ID:	07		
Use Case Name:	Request Papers.		
Created By:	Mitayshh	Last Updated By:	Mitayshh
Date Created:		Date Last Updated:	

Actors:	PCM
Description:	Allows the PCM to view their previously submitted papers.
Trigger:	PCM initiates the process.
Preconditions:	PCM must be logged in. System must be up and running.
Postconditions:	PCM successfully requests the paper.
Normal Flow:	7.1. The PCM selects the "request paper" option. 7.2. The system displays a list of papers available for selection. 7.3 The PCM selects a particular paper and submits the request.
Alternative Flows:	7.2 No papers are available to be requested.
Exceptions:	7.0.E.1 paper not found
*Includes:	
Priority:	Primary Priority.

Use Case Template

Use Case ID:	08		
Use Case Name:	Login		
Created By:	Kunal	Last Updated By:	Kunal
Date Created:	10/12/2015	Date Last Updated:	10/12/2015

Actors:	Author, PCM, PCC, Admin
Description:	Allows user to log into the system.
Trigger:	User wishes access his personal account on the system and initiates the process.
Preconditions:	- User must be registered with the system
Postconditions:	The system displays the login successful page and the author is in the homepage.
Normal Flow:	8.1 The user opens the system website 8.2 The user clicks on the login button 8.3 The system displays the username and password form page 8.4 User provides his username and password and hits login 8.5 The system displays the home page of the user's account
Alternative Flows:	8.4a The user might have logged in before and the username and password is already present in the form . The user directly hits the login button.
Exceptions:	8.4a The user enters incorrect login credentials. System displays error message "invalid username/password".
*Includes:	
Priority:	Secondary
*Supplemental Information:	

Use Case Template

Use Case ID:	09		
Use Case Name:	Registration		
Created By:	Kunal	Last Updated By:	Kunal
Date Created:	10/12/2015	Date Last Updated:	10/12/2015

Actors:	Author
Description:	Author shall provide personal information and other basic credentials to the system upon registering and becoming a User.
Trigger:	User wishes to create an account and initiate the registration process.
Preconditions:	- System is up and running. - User opens the browser and types the URL of the website.
Postconditions:	The system displays the login successful page and the author is in the homepage.
Normal Flow:	9.1. Registrant selects option to register 9.2. System requests personal information 9.3. Registrant provided personal information. 9.4. System verifies required information is provided. 9.5. System displays confirmation of registration
Alternative Flows:	9.3a Registrant selects option to cancel during registration 9.3b System requests confirmation to cancel 9.3c Registrant confirms intent 9.3d System returns to main screen
Exceptions:	9.0.E.1 If information is invalid System displays message. Return to Step 2 9.0.E.2 Registrant did not complete registration form and attempts to submit. System does not store Registrant's information.
*Includes:	
Priority:	Secondary
*Supplemental Information:	

Use Case ID:	10		
Use Case Name:	Submit Paper		
Created By:	Kunal	Last Updated By:	Kunal
Date Created:	10/12/2015	Date Last Updated:	10/12/2015

Actors:	Author, PCM
Description:	Allows the author or the PCM to choose the option to submit a paper.
Trigger:	User wishes to submit the paper and initiates the submit process.
Preconditions:	Author or the PCM must be logged in.
Postconditions:	The system stores the paper and informs the PCC about the submission.
Normal Flow:	10.1 The author/PCM selects the submit paper option. 10.2 He uploads the file that has the contents of the paper. 10.3 He downloads the template given in the page. 10.4 He fills up the template and returns to the website to upload the same. 10.5 He hits the submit button.
Alternative Flows:	10.3a The user already has the latest template. 10.3b The user directly uploads the filled template.
Exceptions:	1.0.E.1 The user doesn't upload the template and tries to submit the paper. System throws an error message "template not attached".
*Includes:	
Priority:	Primary
*Supplemental Information:	

Use Case Template

Use Case ID:	11		
Use Case Name:	View Papers		
Created By:	Kunal	Last Updated By:	Kunal
Date Created:	10/12/2015	Date Last Updated:	10/12/2015

Actors:	Author, PCM
Description:	Allows the author or the PCM to view their own previously submitted papers.
Trigger:	User wishes to view his submitted papers and initiates the process.
Preconditions:	Author or the PCM must be logged in.
Postconditions:	The system stores the paper and informs the PCC about the submission.
Normal Flow:	11.1 The author/PCM selects the view my papers option. 11.2. The system displays the template of that paper along with the datestamp.
Alternative Flows:	11.2a The user doesn't have any papers submitted previously. 11.2b The system throws informs the user that he doesn't have any previous submitted papers.
Exceptions:	
*Includes:	
Priority:	Secondary
*Supplemental Information:	

Use Case ID:	12		
Use Case Name:	Assign Papers		
Created By:	Amitendu Panja	Last Updated By:	
Date Created:	10/02/2015	Date Last Updated:	10/13/2015

Actors:	PCC
Description:	PCC tries to assign paper to the PCM
Trigger:	Customer logs in to the application and has notifications for unassigned papers and wants to assign PCC
Pre-conditions:	The PCC is logged in successfully
Post-conditions:	The PCC successfully assigns paper or cancels
Normal Flow:	12.1. PCC logs in to the SAM2017 12.2. PCC click on the "Get Unassigned Papers button" 12.3. System displays a list of un–assigned papers 12.4. PCC chooses a paper from a list and clicks on assign 12.5. System displays a list of PCM and requests the PCC to select 3 PCM from the list. 12.6 PCC selects 3 PCMs and clicks on save button 12.7 The system assigns the papers to the PCMs and notifies them. 12.8 The system sends an acknowledgement to the PCC
Alternative Flows:	12.3 The system displays a message that there are no un-assigned papers
Exceptions:	
*Includes:	1
Priority:	1
*Supplemental Information:	

*Optional

Use Case ID:	13		
Use Case Name:	Generate report		
Created By:	Amitendu Panja	Last Updated By:	
Date Created:	10/02/2015	Date Last Updated:	10/13/2015

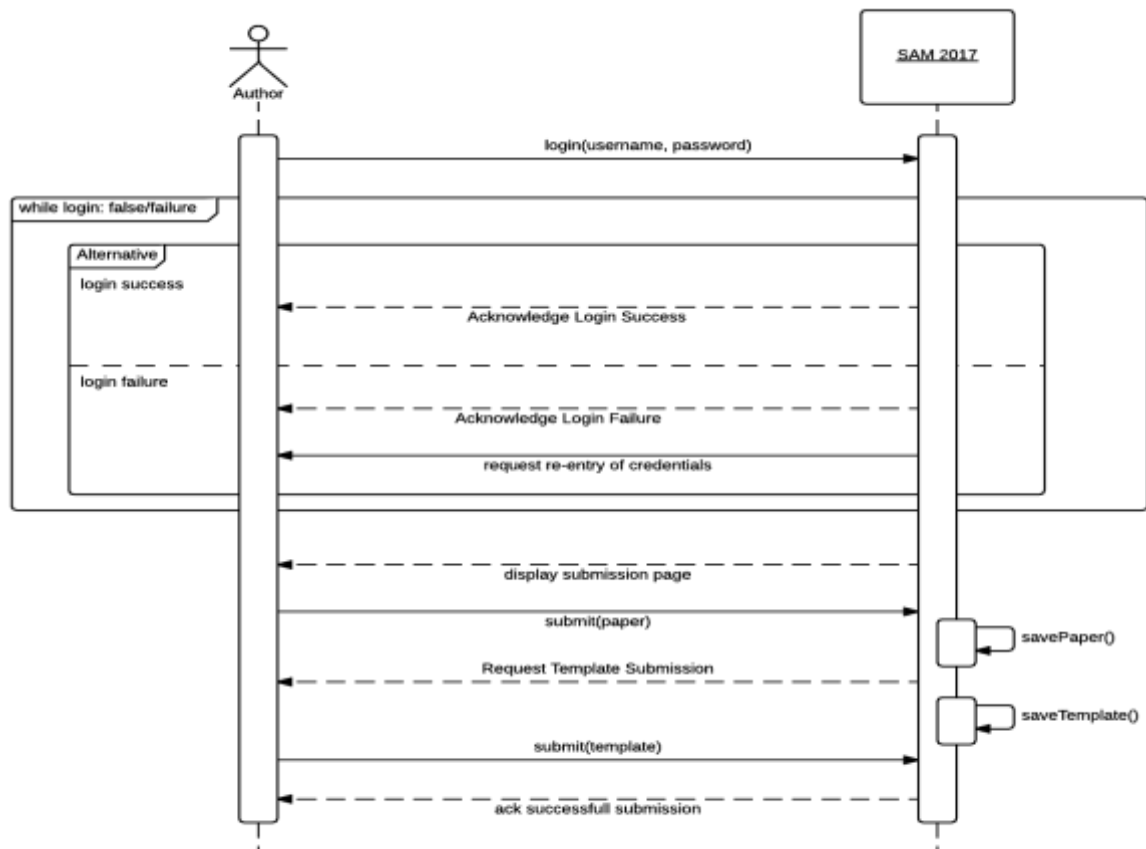|	
Actors:	PCC
Description:	The PCC tries to generate reports
Trigger:	The PCC chooses to generate report for a paper
Preconditions:	The PCMs have reviewed the papers
Post-Conditions:	The PCM successfully generates report
Normal Flow:	13.1. PCC logs in to the SAM2017 13.2. PCC clicks on the View Reviewed Papers 13.3. System displays a list of Reviewed papers 13.4. PCC chooses a paper from a list and clicks on view reviews 13.5. System displays all reviews of the paper 13.6. The PCC views all the reviews. 13.7. The PCC clicks on generate report 13.8. The system displays a report form. 13.9. The PCC enter the details and clicks on save 13.10. The systems saves the report.
Alternative Flows:	1.6. System displays a message that all the papers have not been review
Exceptions:	
*Includes:	
Priority:	2
*Supplemental Information:	

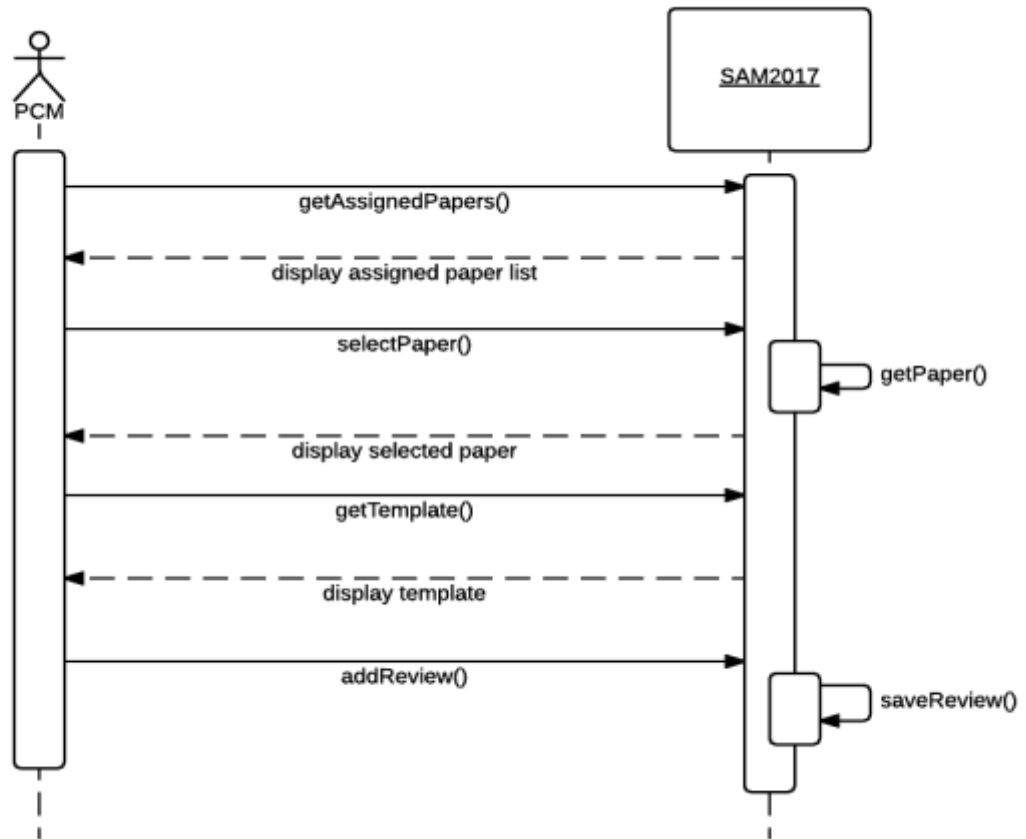| Use Case ID:	14		
Use Case Name:	Approve Request		
Created By:	Amitendu Panja	Last Updated By:	
Date Created:	10/02/2015	Date Last Updated:	10/13/2015

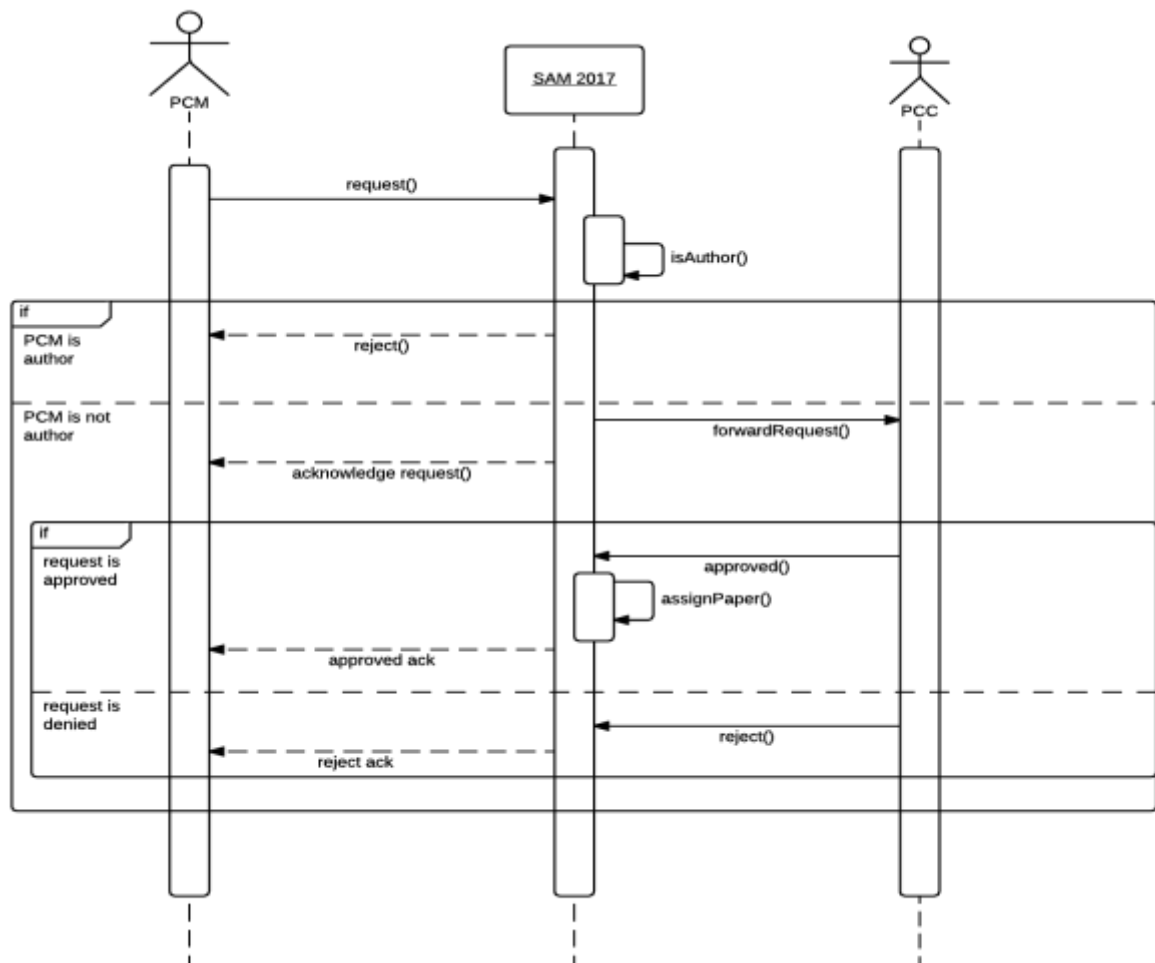|	
Actors:	PCC
Description:	The user have requests to approve
Trigger:	PCC is logged in and has notifications for approval
Preconditions:	The PCC has requests for approval
Post-conditions:	
Normal Flow:	14.1 PCC clicks on notification 14.2 System displays the request (PCM details and requested Paper details) 14.3 PCM clicks on the accept request 14.4. The system assigns the paper to the PCM and deletes the request
Alternative Flows:	14.3 - PCC Rejects the request - The system send the notification to the PCC and deletes the request
Exceptions:	
*Includes:	<<Request Paper>>
Priority:	Primary
*Supplemental Information:	

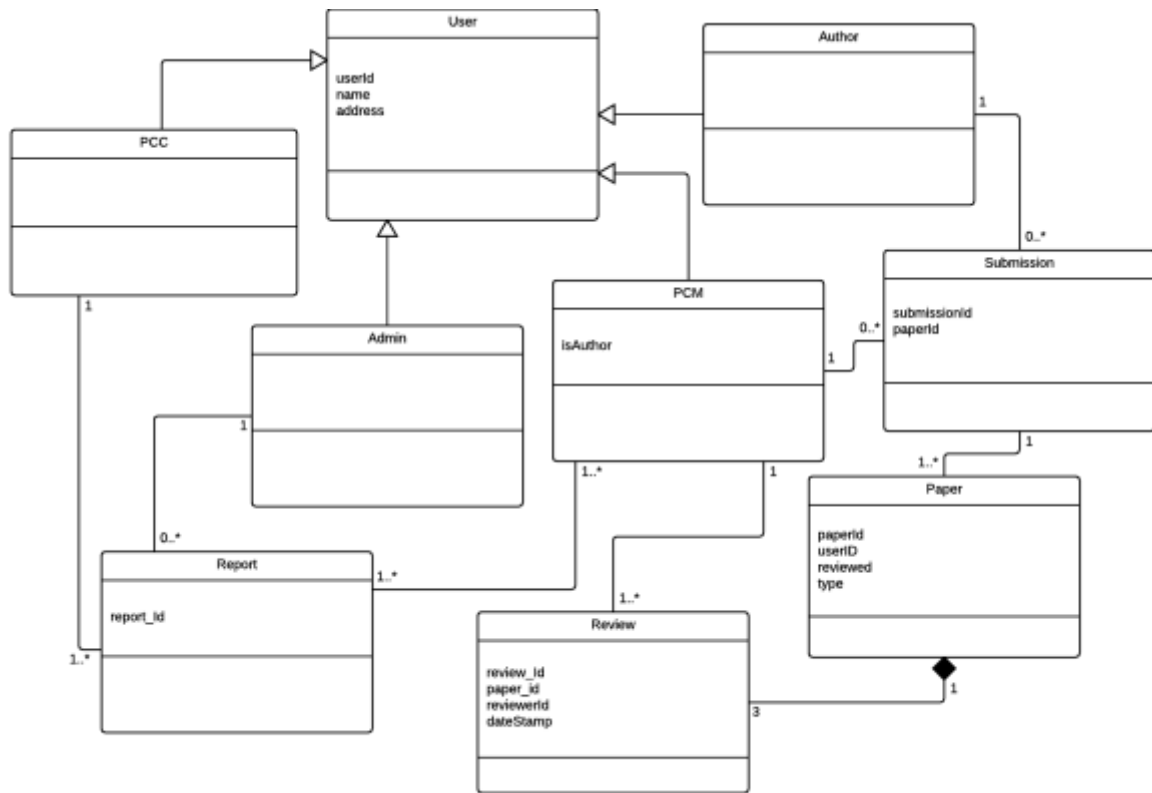# 3. System Sequence Diagram

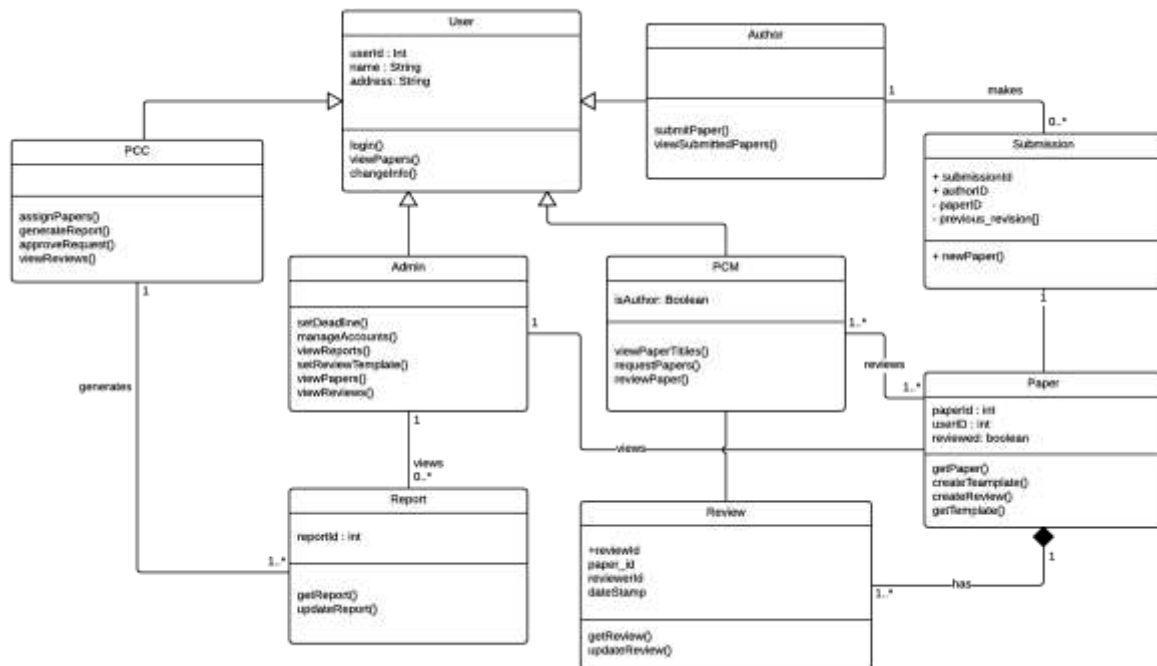## 3.1. Sequence Diagram 1:

3.2. System Sequence Diagram 2:
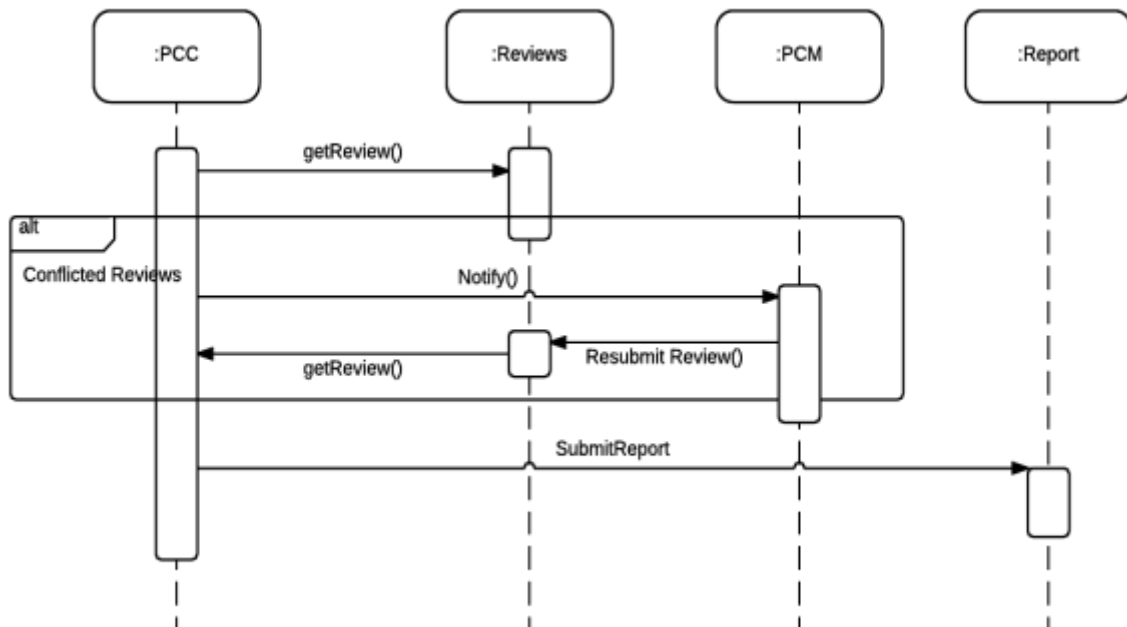
3.3. System Sequence Diagram 3:

4. Domain Model

5. Class Diagram

User
userId : int
name : String
address: String

login()
viewPapers()
changeInfo()

Author

submitPaper()
viewSubmittedPapers()

makes
1   0..*

Submission
+ submissionId
+ authorID
- paperID
- previous_revision()

+ newPaper()

PCC

assignPapers()
generateReport()
approveRequest()
viewReviews()

1

generates

1..*

Admin

setDeadline()
manageAccounts()
viewReports()
setReviewTemplate()
viewPapers()
viewReviews()

1

views
0..*

Report
reportId : int

getReport()
updateReport()

PCM
isAuthor: Boolean

viewPaperTitles()
requestPapers()
reviewPaper()

1..*

reviews

1..*

views

Review
+reviewId
paper_id
reviewerId
dateStamp

getReview()
updateReview()

1..*

has

1

Paper
paperId : int
userID : int
reviewed: boolean

getPaper()
createTemplate()
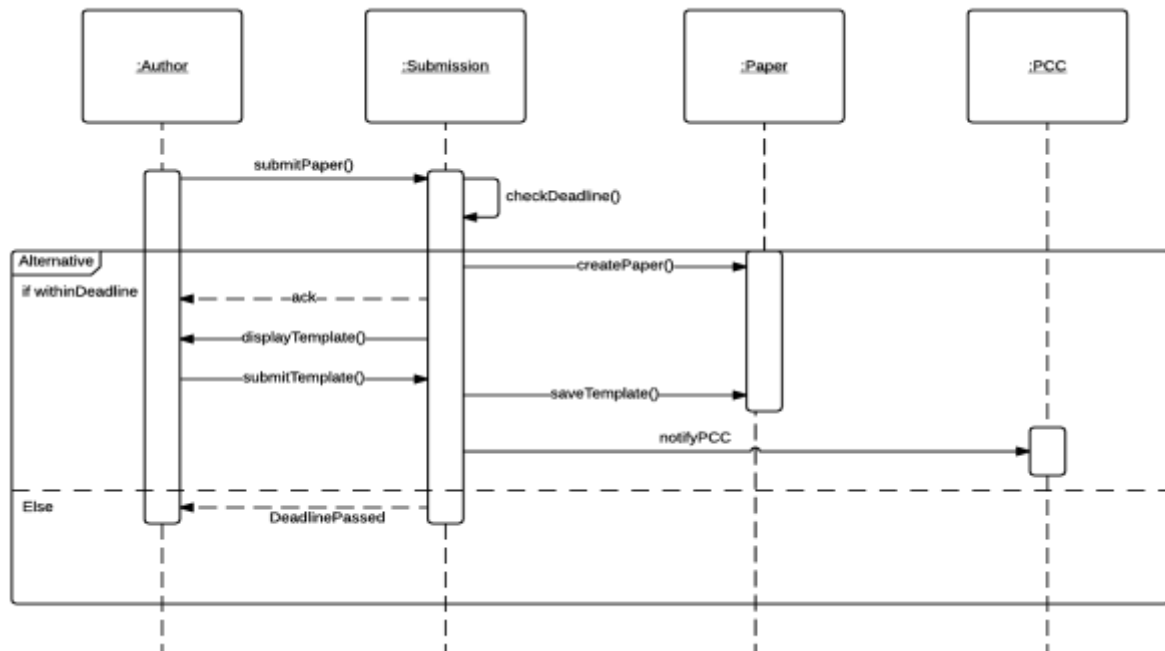createReview()
getTemplate()

1

6. Sequence Diagram

6.1.1. Sequence Diagram 1: Generate Report
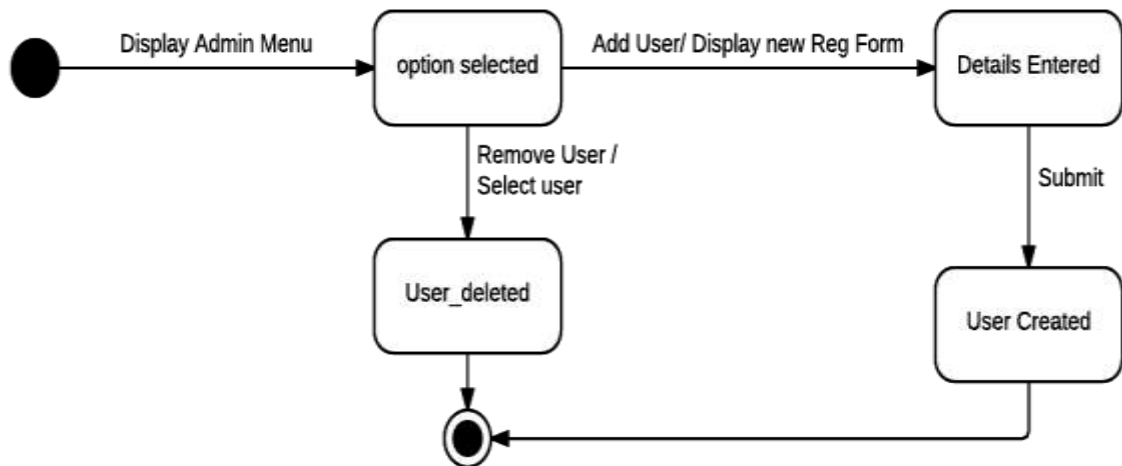

6.2. Sequence Diagram 2: Review Paper
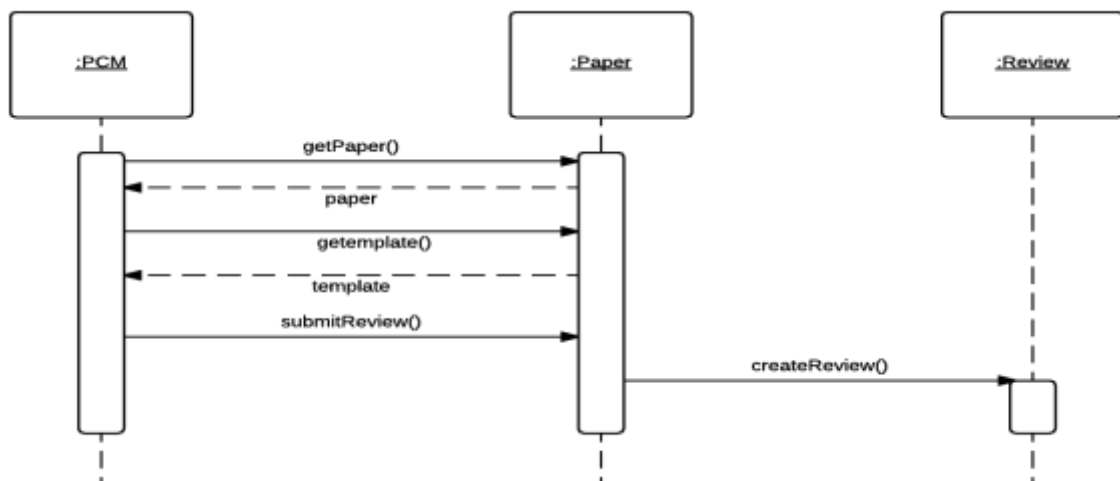
6.3. Sequence Diagram 3: Submit Paper
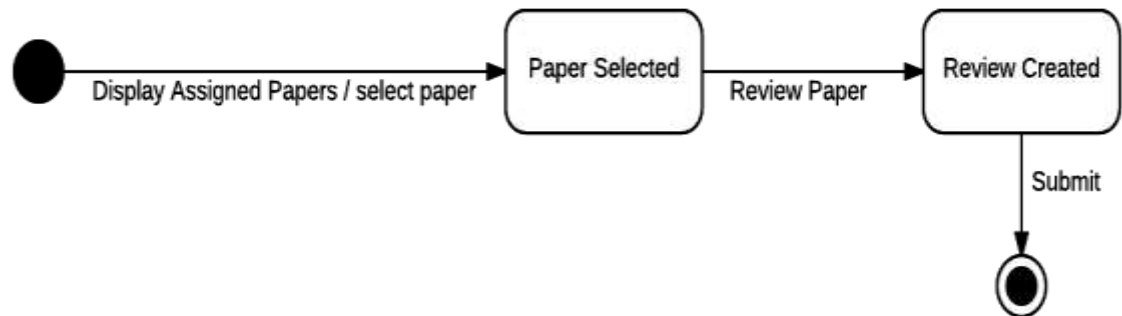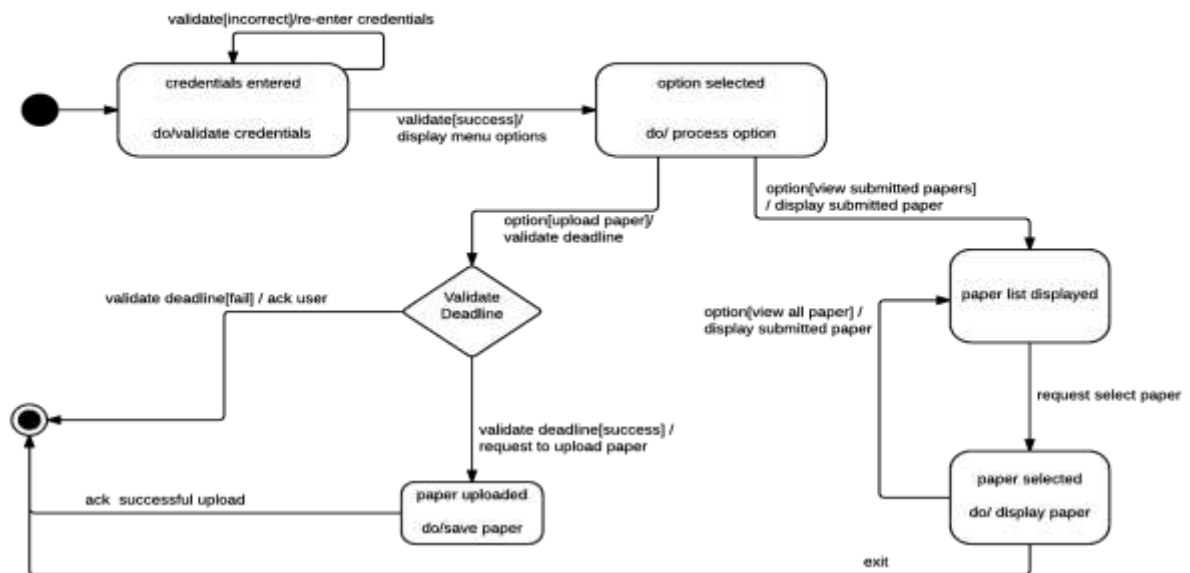
7. State Chart Diagram

7.1. State Chart Diagram 1

7.2. State Chart Diagram 2

7.3. State Chart Diagram 3

8. Architecture Diagram