Software Modeling

SAM2017 Project

Release 1

Group 6

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Use case diagram
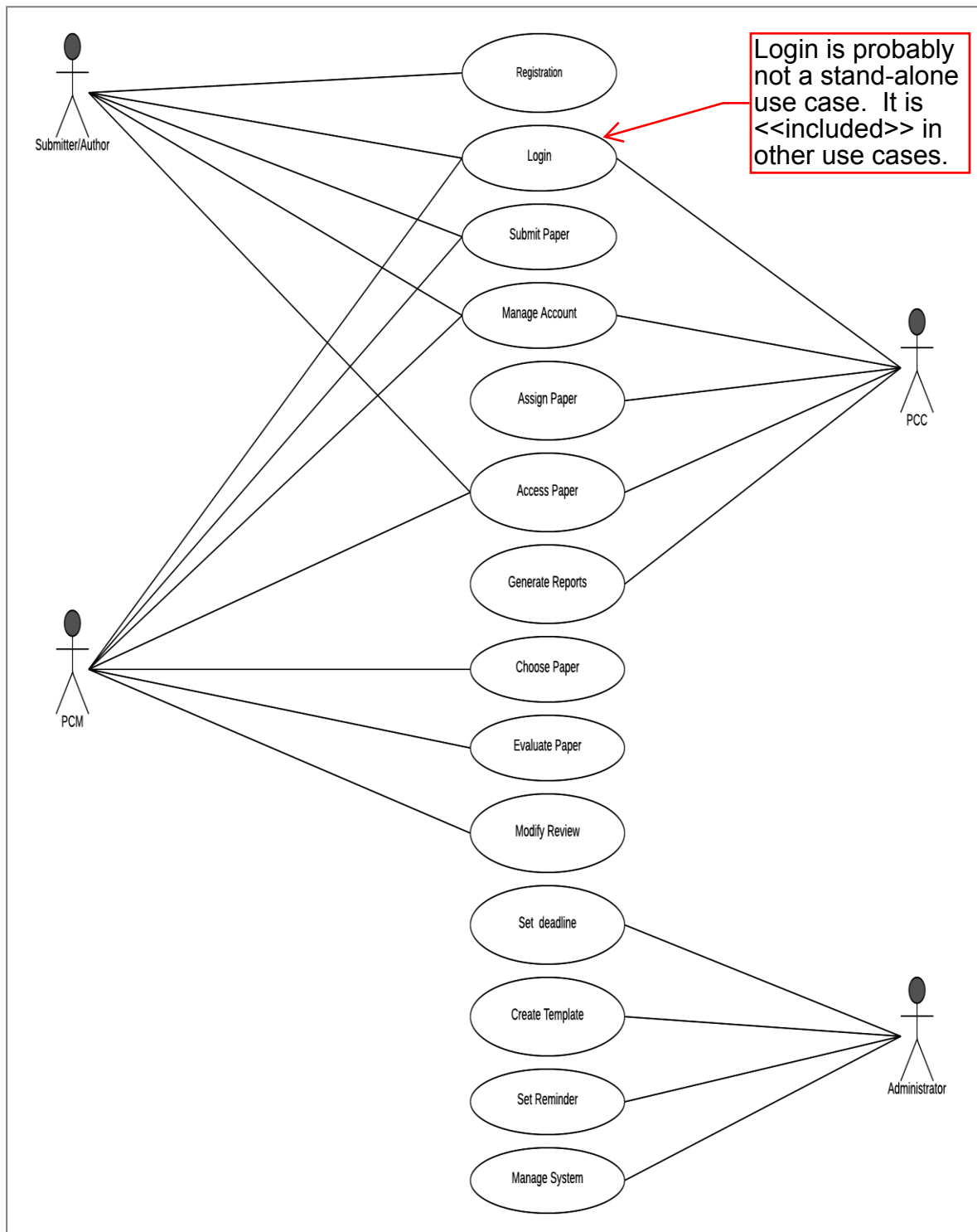
Figure 1 Use case diagram

Use case list

Use Case ID	Primary Actor	Use Cases Name
UC01	Submitter/Author	Registration
UC02	Submitter/Author PCM PCC	Login
UC03	Submitter/Author	Submit paper
UC04	PCC	Assign paper
UC05	Submitter/Author PCM PCC	Access paper
UC06	PCC	Generate report
UC07	PCM	Choose paper
UC08	PCM	Evaluate paper
UC09	PCM PCC	Modify review
UC10	Administrator	Set deadline
UC11	Administrator	Create template
UC12	Administrator	Manage system
UC13	Submitter/Author PCM PCC	Manage account
UC14	Administrator	Set reminder

Use Cases Description

Use Case ID:	UC01		
Use Case Name:	Registration		
Created By:	Venkat Nitin	Last Updated By:	Wajdi Aljedaani
Date Created:	09-24-2015	Date Last Updated:	09-24-2015
Overview:	Registrant shall be able to provide personal information to the system upon registering.		
Actors:	Submitter/Author		
Type:	Primary		
Preconditions:	- System has been setup and configured. - System is running and open for registrations. - Registrant has accessed website via URL		
Main Flow:	1. Registrant clicks on the Register from home page. 2. System shows the registration page to registrant and ask for the personal information (name, email, address, contact information and password). 3. Registrant fills out his/her personal information and click on submit. 4. System verifies required information is provided. 5. System confirm the registration and redirect the registrant to h		
Alternative Flows 1:	After Step (2) registrant clicks on Cancel button. 1. System redirects registrant to main page.		
Alternative Flows 2:	After Step (4) if the registrant has entered an invalid information, System shows a message that personal information are invalid. 1. System redirect registrant to step 2.		
Post conditions:	Registrant has registered successfully in the system.		
Priority:	1		

Is this user name for login, or is that separate?

What is invalid information?

Use Case ID:	UC02		
Use Case Name:	Login		
Created By:	Wajdi Aljedaani	Last Updated By:	Wajdi Aljedaani
Date Created:	03-10-2015	Date Last Updated:	05-10-2015
Overview:	Submitter/Author, PCC or PCM shall be able to provide credentials to login in the system.		
Actors:	Submitter/Author, PCC, PCM		
Type:	Primary		
Preconditions:	- Submitter/Author, PCC or PCM must be registered in the system.		
Main Flow:	1. Submitter/Author, PCC or PCM clicks on login page. 2. System displays the login page and request from the user (Submitter/Author, PCC or PCM) to insert login details (username, password). 3. Submitter/Author, PCC or PCM inserts login information and click on submit. 4. System verifies the credentials and redirects Submitter/Author, PCC or PCM to home page.		
Alternative Flows 1:	After Step (3) User has entered an invalid login information, System displays message that the inserted information (Username and Password) are incorrect. 1. System redirect the user to Step2.		
Post conditions:	User has been logged in successfully to the system.		
Priority:	1		

Agree on a consistent date format. I see DD-MM-YYYY, MM-DD-YYYY, MM/DD/YYYY, etc.

Use Case ID:	UC03		
Use Case Name:	Submit paper		
Created By:	Venkat Nitin	Last Updated By:	Wajdi Aljedaani
Date Created:	28-09-2015	Date Last Updated:	05-10-2015
Overview:	Submitter/Author shall be able to submit paper to the system.		
Actors:	Submitter/Author, PCM		
Type:	Primary		
Preconditions:	- Author must be logged in to the system. - Author must use a paper format in (PDF or Microsoft Word).		
Main Flow:	1. Author clicks on the submit paper option. 2. System displays submit paper page. 3. Author fill out the template information of submission and contact information) with proper format. 4. System verifies the information. 5. System confirm the submission and redirects Author to home page.		
Alternative Flows 1:	After Step (3) If the Author upload an invalid format, System displays message that the format is invalid. 1. System redirects Author to Step 2.		
Alternative Flows 2:	After Step (3) Author clicks on Cancel button. 1. System redirects Author to main page.		
Post conditions:	Author has been submitted his paper successfully to the system.		
Priority:	1		

Define what is "proper format." Is this the check to ensure the uploaded document is Word or PDF?

Use Case ID:	UC04		
Use Case Name:	Assign paper		
Created By:	Ian Shoenberger	Last Updated By:	Wajdi Aljedaani
Date Created:	9/24/2015	Date Last Updated:	05-10-2015
Overview:	PCC shall be able to assign paper to a three PCMs to review.		
Actors:	PCC, PCM		
Type:	Primary		
Preconditions:	- PCC must be logged in to the system. - Submission paper must be in the system. - The PCM has chosen the paper for review.		
Main Flow:	1. PCC clicks on the assign paper option. 2. System displays the list of papers that need to be assigned. 3. PCC selects a paper that has not yet been assigned to three PCM's. 4. System display details about the paper and shows a list of available PCM's 5. PCC selects three PCM's from the list. 6. System displays some kind of indication for which PCM has been selected initially. 7. PCC submits their assignments. 8. System assigned the paper succes 9. System gives privilege to the sel entirety.		
Alternative Flows 1:	After Step (1) if there are not papers has submitted, System displays message that no paper to be assign.		
Alternative Flows 2:	After Step (2) if there are no enough PCMs (less than three), System will displays message that there are not enough PCMs in the system.		
Alternative Flows 3:	After Step (3) PCC clicks on Cancel button. 1. System redirects submitter to main page.		
Post conditions:	PCC has been assigned the paper successfully to three separate PCM's.		
Priority:	1		

Where does the PCC and system take into account the PCM's selections of papers they prefer to review?

What are the postconditions for the alternate flows?

Use Case ID:	UC05		
Use Case Name:	Access paper		
Created By:	Wajdi Aljedaani	Last Updated By:	Wajdi Aljedaani
Date Created:	24/09/2015	Date Last Updated:	05-10-2015
Overview:	Submitter/Author, PCC or PCM shall be able to access submission paper in the system.		
Actors:	Submitter/Author, PCC, PCM		
Type:	Primary		
Preconditions:	- Submitter/Author, PCC or PCM must be logged in to the system. - Submit paper must be in the system.		
Main Flow:	1. Submitter/Author, PCC or PCM clicks on the submission papers page. 2. System displays all the paper that has been submitted. 3. If the user is PCC displays all the list of paper that has submitted. PCC selects the paper that he/she wants to access. 4. System displays the content of selected paper.		
Alternative Flows 1:	2.E.1 If the user is Author, System displays all the paper that he/she has submitted. Author selects the paper that he/she would like to access. 2.E.2 System displays the content of the selected paper to Author.		
Alternative Flows 2:	2. F.1 If the user is PCM, System displays all the paper that he/she has submitted. PCM selects the paper that he/she would like to access. 2.F.2 System displays the content of the selected paper to PCM.		
Alternative Flows 3:	2.G.1 If there is not paper in submission papers page, System displays that there is no submission paper.		
Alternative Flows 4:	After Step (3) Submitter/Author, PCC or PCM clicks on Cancel button. 1. System redirects Submitter/Author, PCC or PCM to main page.		
Post conditions:	Submitter/Author, PCC or PCM has been successfully access the paper in the system.		
Priority:	2		

or been assigned to review?

Use Case ID:	UC06		
Use Case Name:	Generate report		
Created By:	Muhammad Fazalul Rahman	Last Updated By:	Wajdi Aljedaani
Date Created:	24/09/2015	Date Last Updated:	05-10-2015
Overview:	PCC shall be able to generate reports based on the reviews submitted by the PCM.		
Actors:	PCC		
Type:	Primary		
Preconditions:	- PCC must be logged in to the system. - Submit paper must be in the system. - PCM must submit paper review to PCC.		
Main Flow:	1. PCM sends a review paper to PCC. 2. System sends a notification to PCC for submission review paper which made by PCM. 3. PCC gets a notification that PCM have submitted the review for assigned paper. PCC access the paper and reads the reviews. 4. PCC generates report based on the review of PCM and submit to the submitter. Detail the contents of the report. 5. System sends the generated report to the submitter and shows a confirmation screen for PCC. 6. Submitter notifies for the report for the submission paper that was generated by PCC. ?		
Alternative Flows 1:	Not applicable		
Post conditions:	PCC has been generated report of submission paper successfully.		
Priority:	2		

Use Case ID:	UC07		
Use Case Name:	Choose paper		
Created By:	Ian Shoenberger	Last Updated By:	Wajdi Aljedaani
Date Created:	24/09/2015	Date Last Updated:	05-10-2015
Overview:	PCM shall be able to choose paper from an available set to tag papers he/she would like to later review.		
Actors:	PCM		
Type:	Primary		
Preconditions:	- PCM must logged in to the system. - Submitted paper must be in the system.		
Main Flow:	1. PCM selects to view all available papers. 2. System displays all available papers by name and author(s) only. 3. PCM selects an available paper. 4. System indicates that the PCM has selected a paper. 5. PCM may repeat step 3. For as many papers are available. 6. PCM submits his/her selection. 7. System records the selections made by the PCM. 8. System indicates to the PCM that their choices have been recorded.		
Alternative Flows 1:	After Step (1) if there is no paper submission, System displays that there is no submission paper.		
Alternative Flows 2:	After Step (3) PCM clicks on Cancel button. 1. System redirects PCM to main page.		
Post conditions:	PCM has chosen paper from the list successfully in the system.		
Priority:	1		

For a blind review, paper title and abstract, but no author information.

Is the PCC notified?

Use Case ID:	UC08		
Use Case Name:	Evaluate paper		
Created By:	Venkat Nitin	Last Updated By:	Wajdi Aljedaani
Date Created:	24/09/2015	Date Last Updated:	05-10-2015
Overview:	PCM shall be able to evaluate paper which assigns by PCC. The PCM reads the papers and sends a review to the PCC. The PCC will analyzed and generate a report based on the PCM review. In a separate use case.		
Actors:	PCM		
Type:	Primary		
Preconditions:	- PCM must logged in to the system. - Submitted paper must be in the system. - Paper must be assigned to PCM.		
Main Flow:	1. PCM clicks on evaluating paper (review and rate) option. 2. System displays all the list of paper for PCM that assigned from the PCC. 3. PCM selects the paper he/she want to evaluate. 4. PCM reads the paper that was assigned by PCC. 5. System displays a template for evaluation of the assigned paper to PCM. 6. PCM writes a review and rate the paper for the paper that was assigned and clicks submit. 7. System sends the evaluation (review and rate) to PCC in order to generate report. 8. System redirects PCM to the home page.		
Alternative Flows 1:	Not applicable		
Post conditions:	PCM has been evaluated paper successfully and sent to the PCC to generate report.		
Priority:	1		

Use Case ID:	UC09		
Use Case Name:	Modify review		
Created By:	Muhammad Fazalul Rahman	Last Updated By:	Wajdi Aljedaani
Date Created:	24/09/2015	Date Last Updated:	05-10-2015
Overview:	PCC shall be able to find conflicts and notifies the PCM who has to re-review the submission.		
Actors:	PCM		
Type:	Primary		
Preconditions:	- PCM shall be logged in to the system. - Submitted paper must be in the system. - Paper review shall has a conflict by PCMs.		
Main Flow:	1. PCC send a request to the PCM about the conflict review. 2. System notifies the PCM about the review conflict. 3. PCM receives the notification about the conflicting review and get access to the other PCM's review to discuss the viewpoints. 4. PCM submits new review in the review submission page. 5. System sends the new review to PCC. 6. PCC notifies of the new review and confirm the submission. 7. System sends the confirmation of the review to PCM. 8. PCM notifies about the confirmation of the review.		
Alternative Flows 1:	After Step (3) PCM clicks on Cancel button. 1. System redirects PCM to main page.		
Post conditions:	PCM has been resolved the conflict review successfully.		
Priority:	3		

Annotations (handwritten/boxed comments):
- PCC? (pointing to "Primary" / Type)
- ? Grammar issue? (pointing to "Paper review shall has a conflict by PCMs.")
- Does the system have any requirements to facilitate this discussion? (pointing to Step 3)
- The PCC is ultimately responsible for resolving the conflict across PCMs. (pointing to Post conditions)

Use Case ID:	UC10		
Use Case Name:	Set deadline		
Created By:	Wajdi Aljedaani	Last Updated By:	Wajdi Aljedaani
Date Created:	24/09/2015	Date Last Updated:	05-10-2015
Overview:	Administrator shall be able to set up paper submission, review choice, review submission and author notification deadlines in the system.		
Actors:	Administrator		
Type:	Primary		
Preconditions:	- Administrator shall be logged in to the system.		
Main Flow:	1. Administrator selects what he/she wants to set up deadline (paper submission, review choice, review submission and author notification). 2. System displays the list of elements. 3. Administrator clicks on a specific element. 4. System displays the details about the selected element. 5. Administrator set deadline information about the selected element. Administrator can also update the deadline details or disable the element. Administrator clicks submit. 6. System confirms that the deadline were set and redirects the Administrator to the home page.		
Alternative Flows 1:	After Step (3) Administrator clicks on Cancel button. 1. System redirects Administrator to home page.		
Post conditions:	Administrator has set deadlines successfully in the system.		
Priority:	2		

Specify the details.

Use Case ID:	UC11		
Use Case Name:	Create template		
Created By:	Muhammad Fazalul Rahman	Last Updated By:	Wajdi Aljedaani
Date Created:	24/09/2015	Date Last Updated:	05-10-2015
Overview:	Administrator shall be able to create templates for Notifications and Reviews.		
Actors:	Administrator		
Type:	Primary		
Preconditions:	- PCM must logged in to the system.		
Main Flow:	2. Administrator opens the create template page. 3. System displays the create template page to the administrator. 4. Administrator create template fields (review and rate) and submits the form. 5. System confirm the submission and redirect the administrator to home page.		
Alternative Flows 1:	After Step (3) Administrator clicks on Cancel button. 1. System redirects Administrator to home page.		
Post conditions:	Administrator has been created template successfully and can be used by PCC and PCM		
Priority:	2		

What happened to step 1?

Detail the information and controls available on the page.

Use Case ID:	UC12		
Use Case Name:	Manage system		
Created By:	Ian Shoenberger	**Last Updated By:**	Wajdi Aljedaani
Date Created:	24/09/2015	**Date Last Updated:**	05-10-2015
Overview:	Administrator shall have administrator privileges. The Administrator shall be able to update information about the registered users, paper submission and deadlines. Administrator shall also be able to disable registered users, paper submission. Administrator also have the ability to add/modify and delete PCMS and PCC in the system.		
Actors:	Administrator		
Type:	Primary		
Preconditions:	- Administrator shall be logged in to the system.		
Main Flow:	1. Administrator selects what he/she wants to update or disable (submitter, submission paper, and deadlines). 2. System displays the list of elements. 3. Administrator clicks on a specific element. Specify the details. 4. System displays the details about the selected element. 5. Administrator updates the information about the selected element. Administrator can update the details or disable the element. Administrator submits the changes. 6. System confirms that the changes were saved and redirects the Administrator to the list of elements.		
Alternative Flows 1:	After step (1) if there is no users has registered in the system, System displays a message that there is no users.		
Alternative Flows 2:	After step (4) Administrator clicks on Cancel button. 1. System redirects the Administrator to the list of elements page.		
Post conditions:	System has saved all the changes successfully that made by the Administrator.		
Priority:	3		

Use Case ID:	UC13		
Use Case Name:	Manage account		
Created By:	Wajdi Aljedaani	**Last Updated By:**	Wajdi Aljedaani
Date Created:	24/09/2015	**Date Last Updated:**	05-11-2015
Overview:	Submitter/Author, PCC or PCM shall be able to update the personal information (email, contact information, address and password).		
Actors:	Submitter/Author, PCC or PCM		
Type:	Primary		
Preconditions:	- Submitter/Author, PCC or PCM shall be logged in to the system.		
Main Flow:	1. Submitter/Author, PCC or PCM clicks on edit profile option. 2. System displays all the user information (email, contact information, address and password). 3. User changes the desired information that he/she wants to change and click on save button. 4. System updates user profile that has inserted. 5. System notifies the user of the updating information and redirect to the home page.		
Alternative Flows 1:	After step (2) Submitter/Author, PCC or PCM clicks on Cancel button. 1. System redirects the Administrator to the list of elements page.		
Post conditions:	System has saved all the changes successfully that made by the Submitter/Author, PCC or PCM.		
Priority:	3		

Use Case ID:	UC14		
Use Case Name:	Set reminder		
Created By:	Wajdi Aljedaani	Last Updated By:	Wajdi Aljedaani
Date Created:	24/09/2015	Date Last Updated:	05-10-2015
Overview:	Administrator shall be able set reminder for unassigned paper, review deadline and evaluating paper.		
Actors:	Administrator		
Type:	Primary		
Preconditions:	- Administrator shall be logged in to the system.		
Main Flow:	1. Administrator clicks on set reminder option. 2. System displays all the option for the Administrator (unassigned paper, review deadline and evaluating paper). 3. Administrator selects one of the option below to set reminder. 4. System displays the setting reminder page. ← What are the details of a reminder? 5. Administrator sets a reminder and click on submit. 6. System send a notification to the particular user that was in the setting of reminder. 7. System confirms the reminder and redirect the Administrator to the home page.		
Alternative Flows 1:	After step (4) Administrator clicks on Cancel button. 2. System redirects the Administrator to the list of elements page.		
Post conditions:	System has saved all the changes successfully that made by the Administrator.		
Priority:	3		

Architecture model

This looks like the generic Django model. Where do your classes from your design class diagram belong?
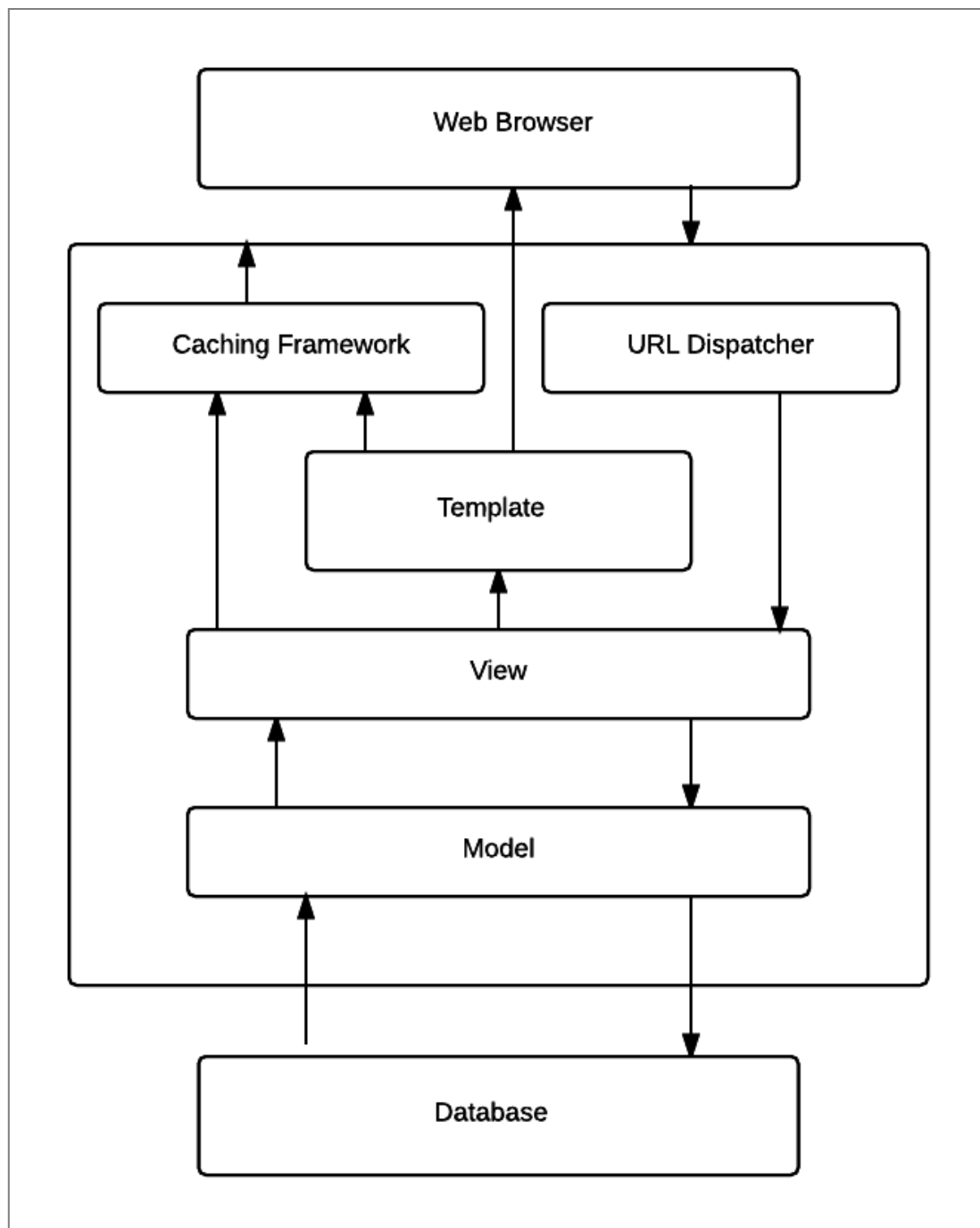

Figure 2 Architecture model

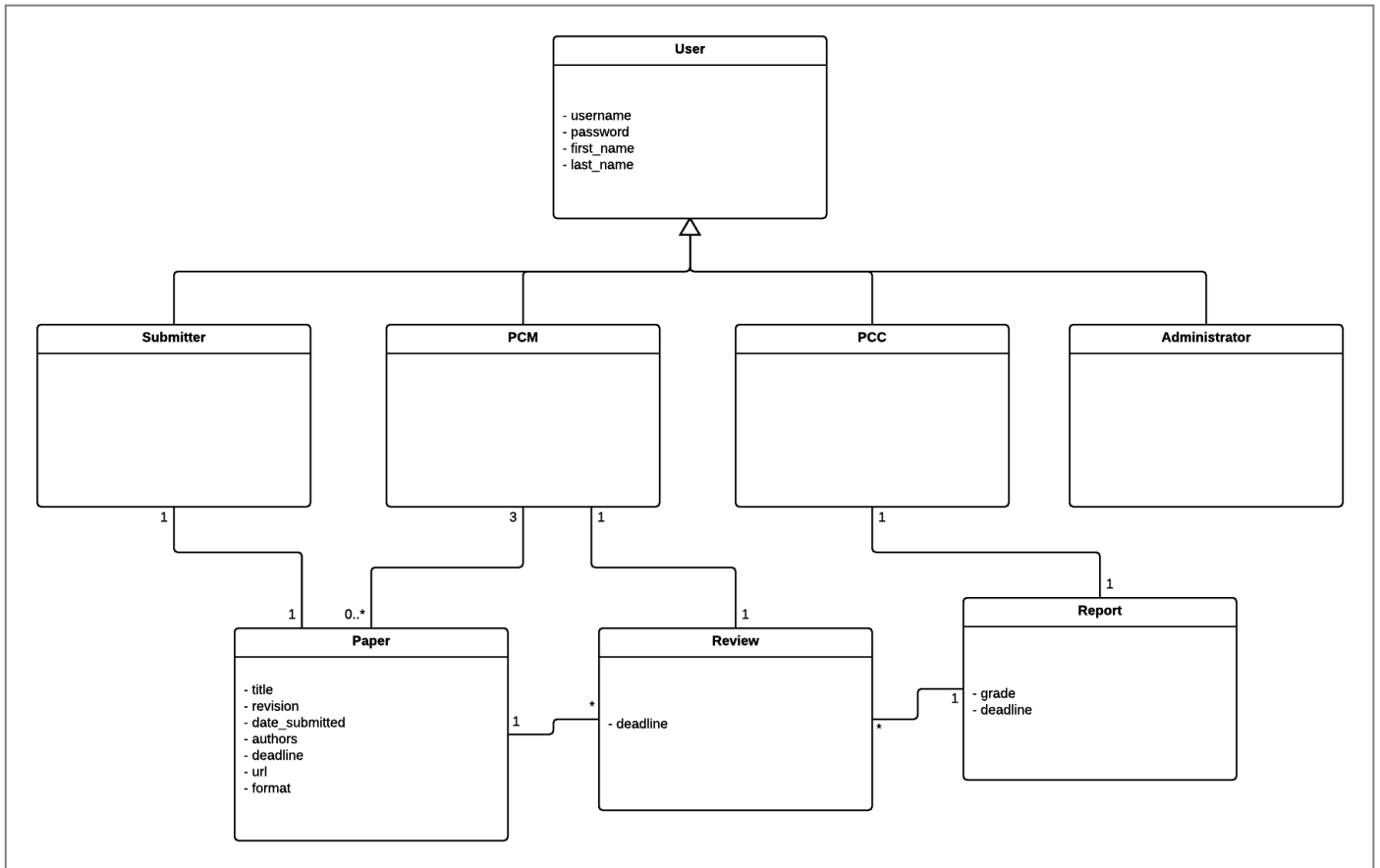The notation seems to be a generic box and arrow diagram, not UML.

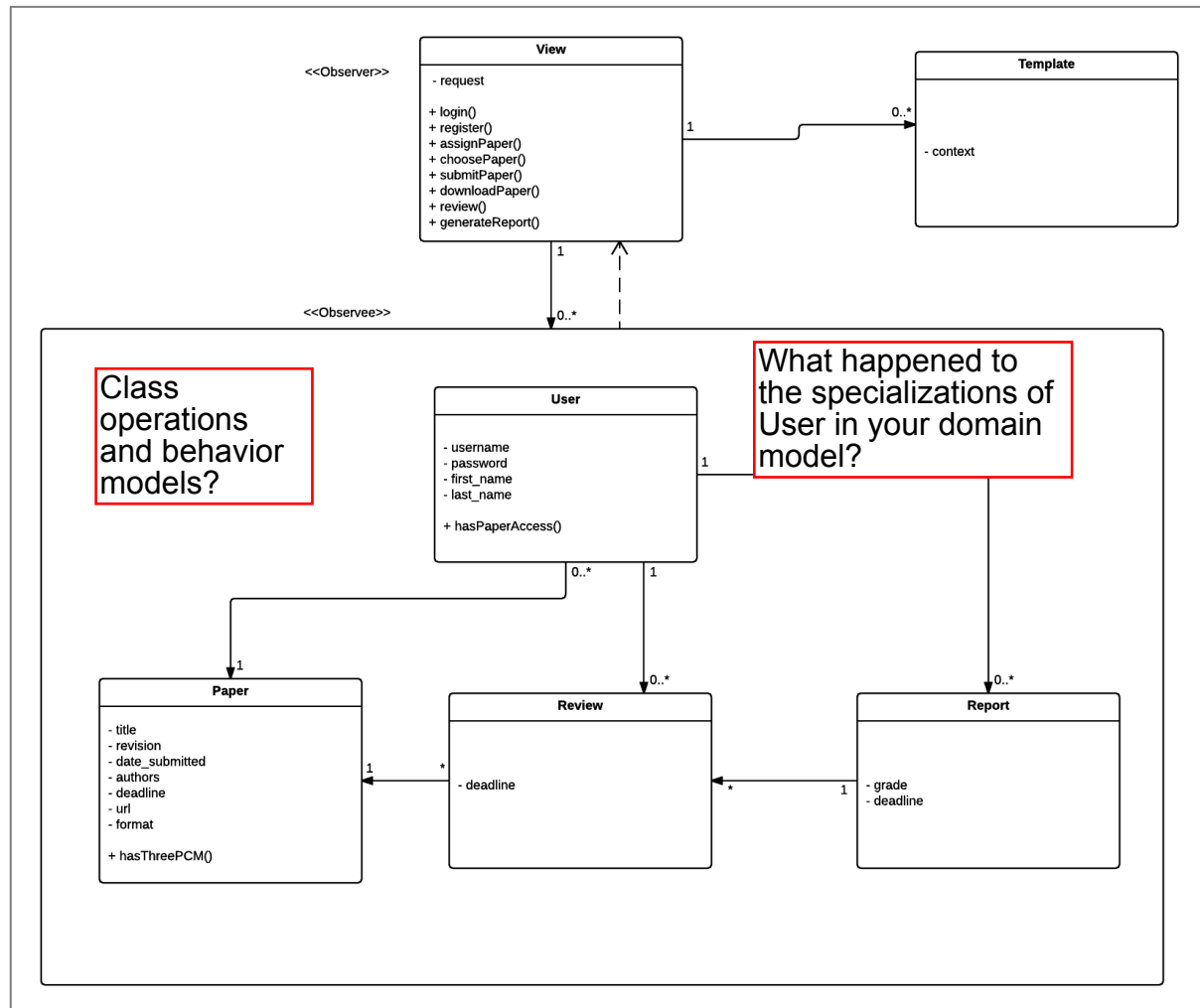# Domain Model

Figure 3 Domain model

Design class diagram

Figure 4 Design class diagram

System sequence diagram
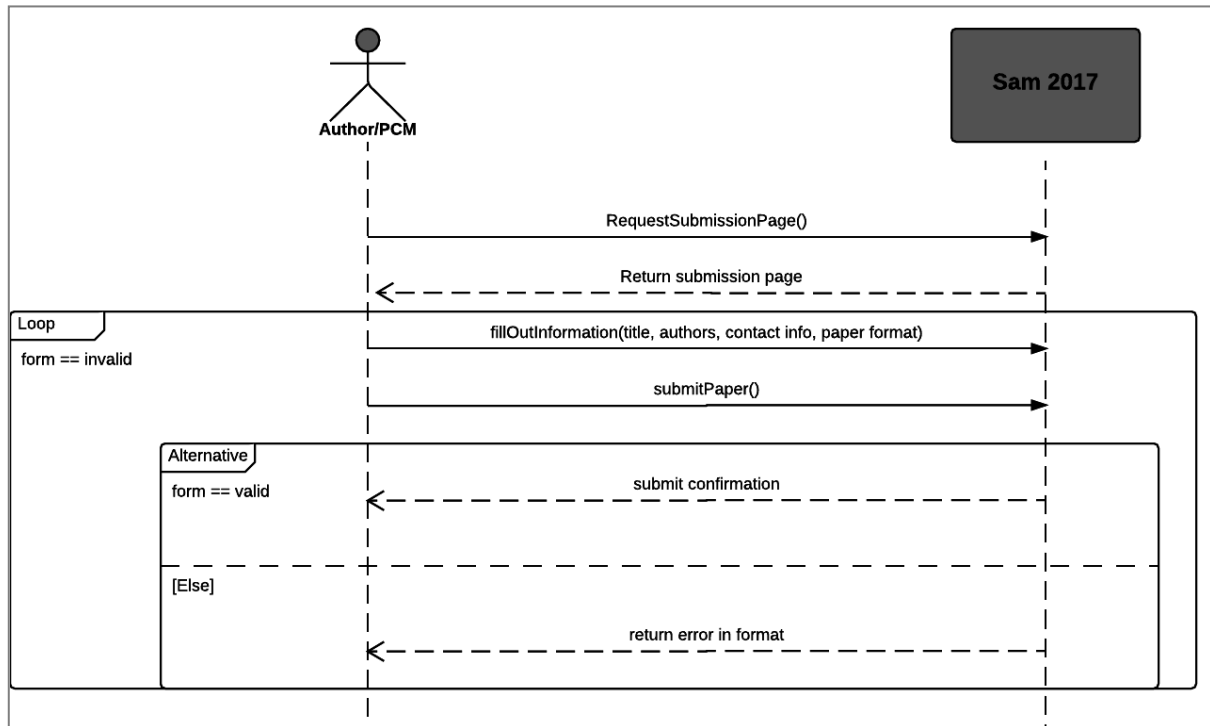
Submit paper

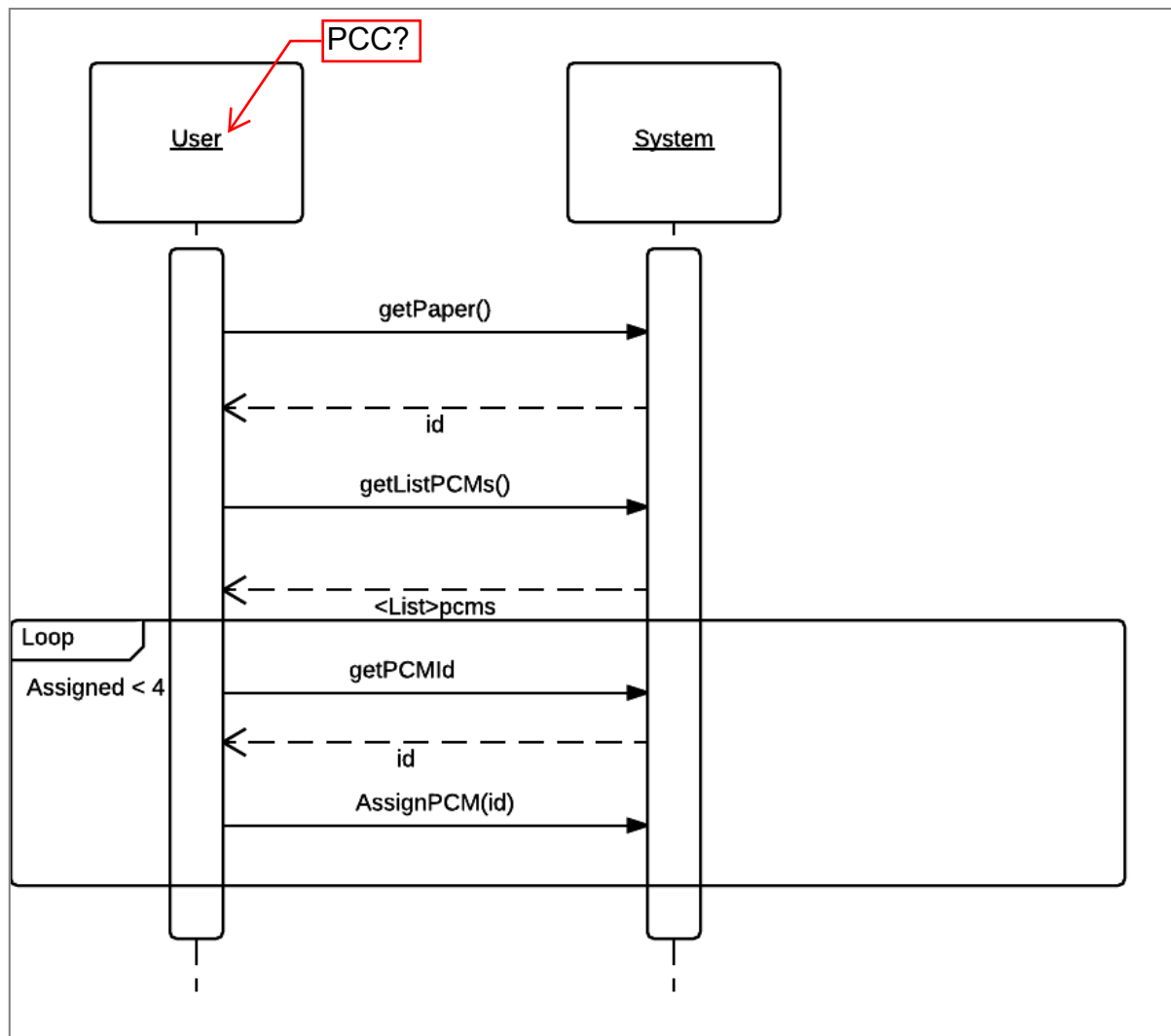Figure 5 System sequence diagram (Submit paper)

Assign paper

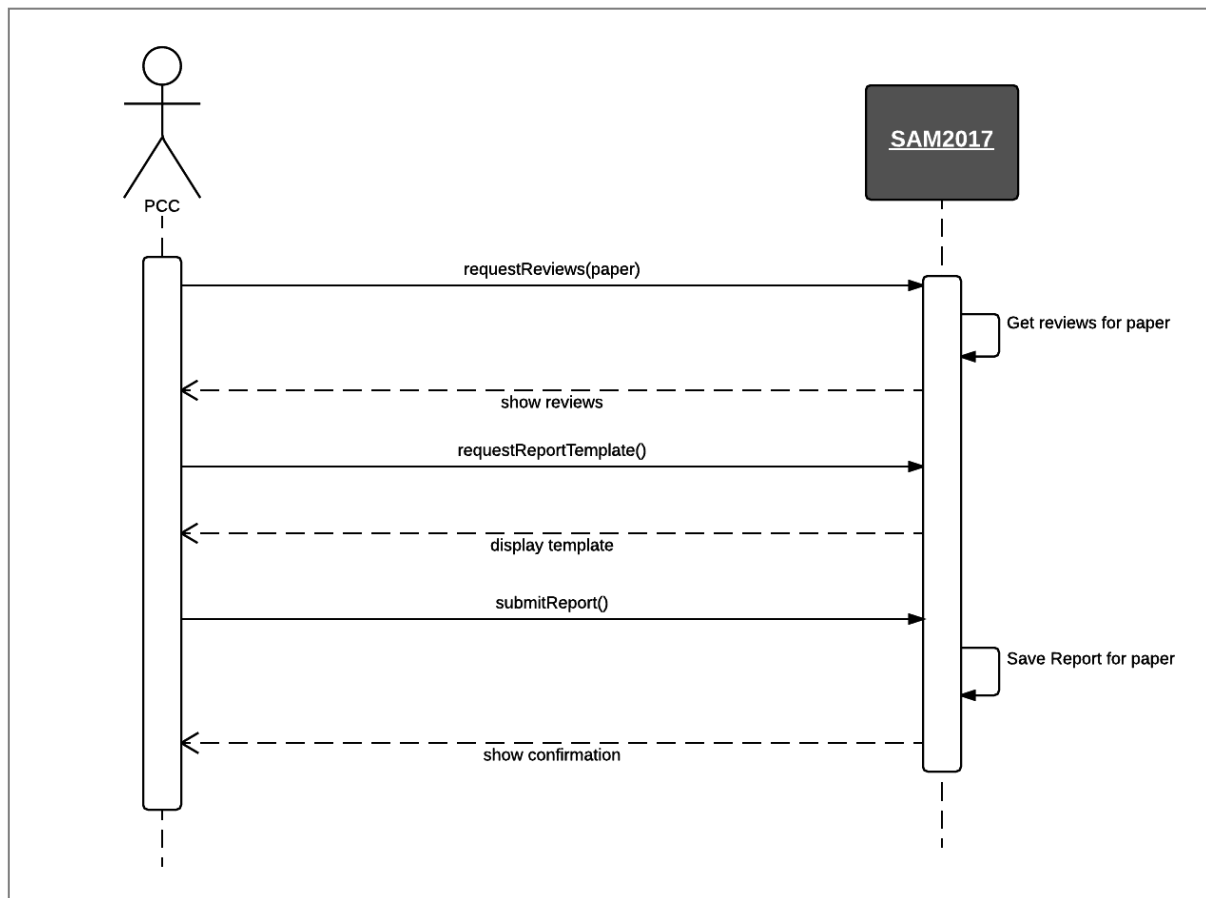Figure 6 System sequence diagram (Assign paper)

Generate report

Figure 7 System sequence diagram (Generate paper)

Behavioural diagram

Sequence diagram

I would expect Paper, Review, and other classes to be involved.

These are not classes in your design model.
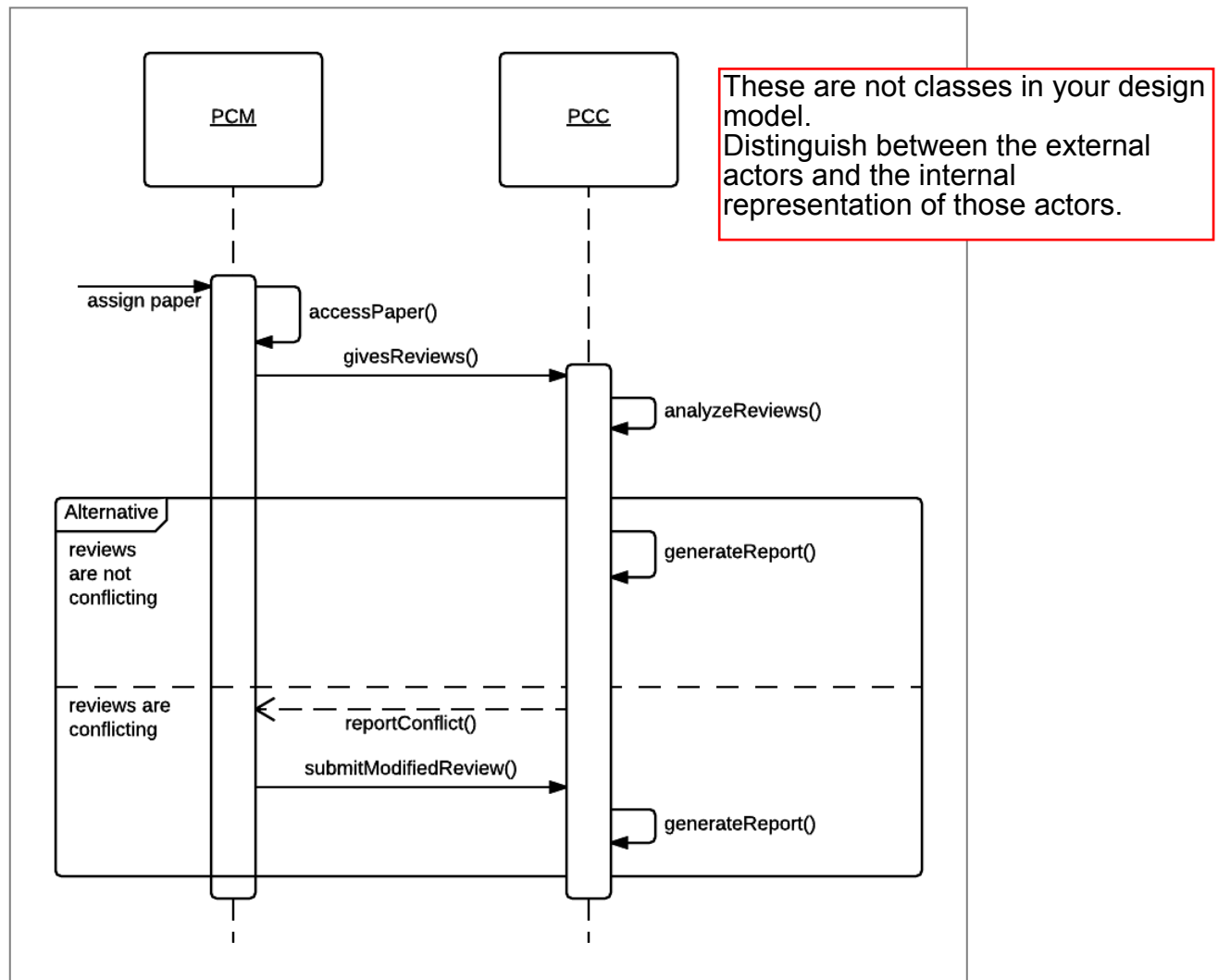Distinguish between the external actors and the internal representation of those actors.
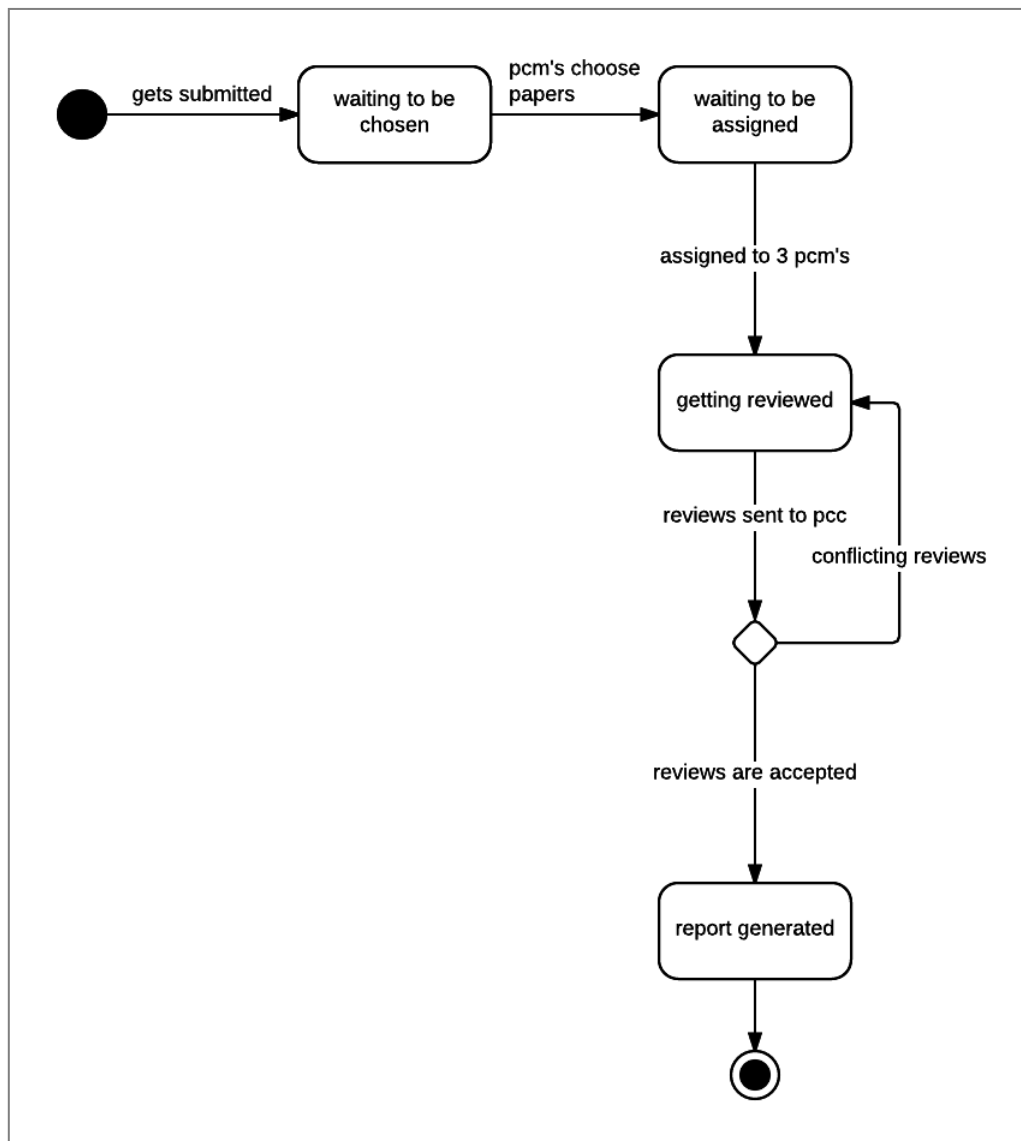
Figure 8 Sequence diagram of evaluate paper

State Machine diagram

Figure 9 State diagram for paper