

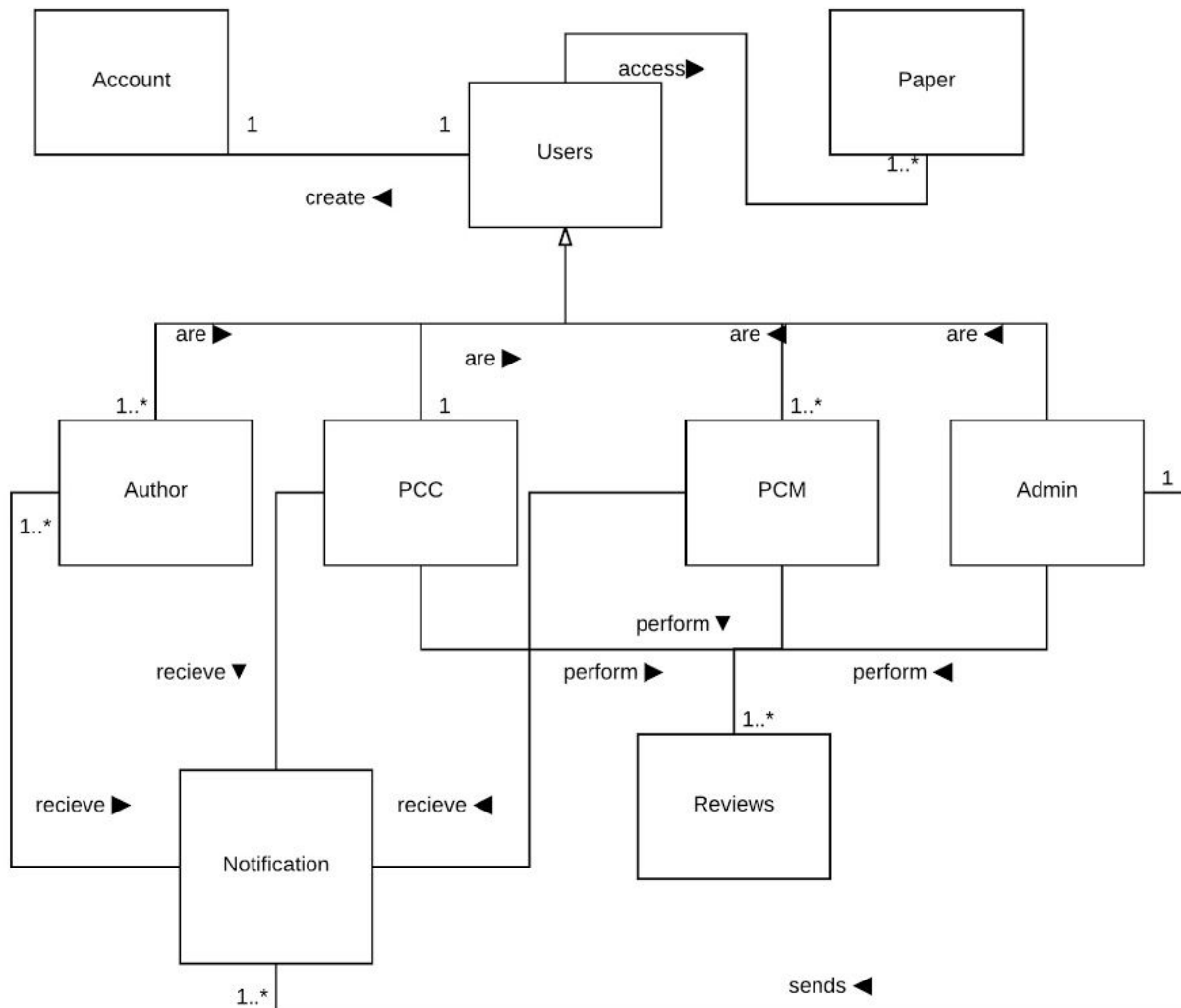
Group 6 SAM2018 1st Iteration Submission

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Link to github: <https://github.com/dkaushik95/SAM2018> (Currently Private)

Domain Model

The following figure is the Domain Model.



The Domain Model encapsulates:

- Author, PCC, PCM, and Admin are Users.
- Each User has 1 account.
- Each user has conditional access to 1 or more papers depending on the type of user.
- Admin can send conditional notifications to PCC, PCM, and Author.

Use Cases and Use Case Diagram



These explain the use cases pretty clearly.

Use Cases

Use Case ID:	1		
Use Case Name:	Author Sign up		
Created By:	Team	Last Updated By:	10/10/2017
Date Created:	10/10/2017	Date Last Updated:	10/10/2017

Actors:	Author
Description:	Author can sign up to use the SAM2018 system. This results in the creation of a user account for the author.
Trigger:	None.
Preconditions:	The author must be on the page of SAM2018 with a working internet connection. The user must choose the "sign up" option.
Postconditions:	The system adds a new author to the database.
Normal Flow:	<ol style="list-style-type: none"> 1) The user clicks on the "register" option, which prompts the system to present a registration form to the User. 2) The User then fills out the details "Select Username" and "Select Password". 3) The system makes sure that the "Username" is not chosen by the user is unique, and prompts the user to change it if it is not. 4) Confirms registration and saves the details onto the database. 5) The system then redirects the user to log in page.
Alternative Flows:	<ol style="list-style-type: none"> 1) The exits before the registration process complete: <ul style="list-style-type: none"> - In such a case, the main screen is shown. - No data is recorded on the system. - Use case ends. 2) A user is already registered to the system: <ul style="list-style-type: none"> - In such a case, user can login


Exceptions:	None
*Includes:	
Priority:	

Use Case ID:	2		
Use Case Name:	Author Sign in		
Created By:	Team	Last Updated By:	10/10/2017
Date Created:	10/10/2017	Date Last Updated:	10/10/2017



Actors:	User		
Description:	A user can sign in to use the SAM2018 system. This results in the user being logged into to access the documents he has access to.		
Trigger:	None.		
Preconditions:	The user must be a registered user. If the user is an author, he should have signed up.		
Postconditions:	None.		
Normal Flow:	1) The customer enters his login credentials. 2) If the systems authenticate the credentials, the system logs the user into their respective profile.		
Alternative Flows:	1) Wrong username and password: - In such a case, the user will be prompted to re-enter correct credentials		
Exceptions:	None		
*Includes:	Sign up		
Priority:			

Use Case ID:	3		
Use Case Name:	Author Submits papers		
Created By:	Team	Last Updated By:	10/10/2017
Date Created:	10/10/2017	Date Last Updated:	10/10/2017

Actors:	Author		
Description:	Author can submit paper. He can also submit many versions of the same paper.		
Trigger:	None.		

Preconditions:	The author must be signed into SAM2018. Date must be lesser deadline
Postconditions:	A paper is accepted and saved by the system.
Normal Flow:	 <ol style="list-style-type: none"> 1) The author selects the paper he wants to submit, and submits it to the system. 2) The system accepts the submission if the date is lesser than the deadline and saves it.
Alternative Flows:	<ol style="list-style-type: none"> 1) The author submits a new version of the paper: <ul style="list-style-type: none"> - In such a case, submits a new paper to the system, and the system accepts and saves it if the date is lower than the deadline. 2) The date is beyond deadline: <ul style="list-style-type: none"> - The system does not accept the paper. Use case ends.
Exceptions:	None
*Includes:	Sign up, Sign In
Priority:	

Use Case ID:	4		
Use Case Name:	Author views paper(s)		
Created By:	Team	Last Updated By:	10/10/2017
Date Created:	10/10/2017	Date Last Updated:	10/10/2017

Actors:	Author
Description:	Author can view a submitted paper
Trigger:	None.
Preconditions:	The author must be signed into SAM2018.
Postconditions:	No 
Normal Flow:	 <ol style="list-style-type: none"> 1) The author chooses the paper he wants to view 2) The system renders the paper for the author to view
Alternative Flows:	1) None
Exceptions:	None
*Includes:	Sign up, Sign In
Priority:	

Use Case ID:	5
Use Case Name:	System notifies actors appropriately

Created By:	Team	Last Updated By:	10/10/2017
Date Created:	10/10/2017	Date Last Updated:	10/10/2017

Actors:	System, PCC, Author
Description:	The actors are notified by the system on appropriate triggers
Trigger:	Author submits a paper, Author submits a new version of the paper, User Account changes, Time triggers pass
Preconditions:	None
Postconditions:	The appropriate actors get notified by the system
Normal Flow:	1) On the specific trigger, the correct notification is sent to the appropriate actor.
Alternative Flows:	1) None
Exceptions:	None
*Includes:	Sign up, Sign In, Paper Submission
Priority:	

Use Case ID:	6		
Use Case Name:	PCC notifies PCM on paper availability		
Created By:	Team	Last Updated By:	10/10/2017
Date Created:	10/10/2017	Date Last Updated:	10/10/2017

Actors:	PCM, PCC
Description:	The PCC notifies the PCMs on the papers available for review on conclusion of deadline.
Trigger:	Deadline is lapsed.
Preconditions:	None.
Postconditions:	PCMs gets a notification from the PCC regarding papers available for review.
Normal Flow:	1) The PCC sends the PCMs a notification enlisting all the papers available for review.
Alternative Flows:	1) The PCM is the author: - In such a case, the paper will not be available to that PCM.
Exceptions:	None
*Includes:	Sign up, Sign In, Paper Submission
Priority:	

Use Case ID:	7		
Use Case Name:	PCMs are assigned papers to review		
Created By:	Team	Last Updated By:	10/10/2017
Date Created:	10/10/2017	Date Last Updated:	10/10/2017

Actors:	PCM, PCC
Description:	The PCMs are assigned papers to review
Trigger:	None.
Preconditions:	None.
Postconditions:	PCMs are assigned which papers they should review
Normal Flow:	1) The PCMs choose a set of papers they would like to review. 2) The PCC selects 3 PCMs to review each paper.
Alternative Flows:	None
Exceptions:	None
*Includes:	Sign up, Sign In, Paper Submission
Priority:	

Use Case ID:	8		
Use Case Name:	PCMs review the paper		
Created By:	Team	Last Updated By:	10/10/2017
Date Created:	10/10/2017	Date Last Updated:	10/10/2017

Actors:	PCM
Description:	The PCMs review the papers
Trigger:	None.
Preconditions:	The PCM's are assigned papers to review by the PCC
Postconditions:	None.
Normal Flow:	1) The PCMs review the papers they are given before the deadline and according to the template
Alternative Flows:	None
Exceptions:	None
*Includes:	Sign up, Sign In, Paper Submission

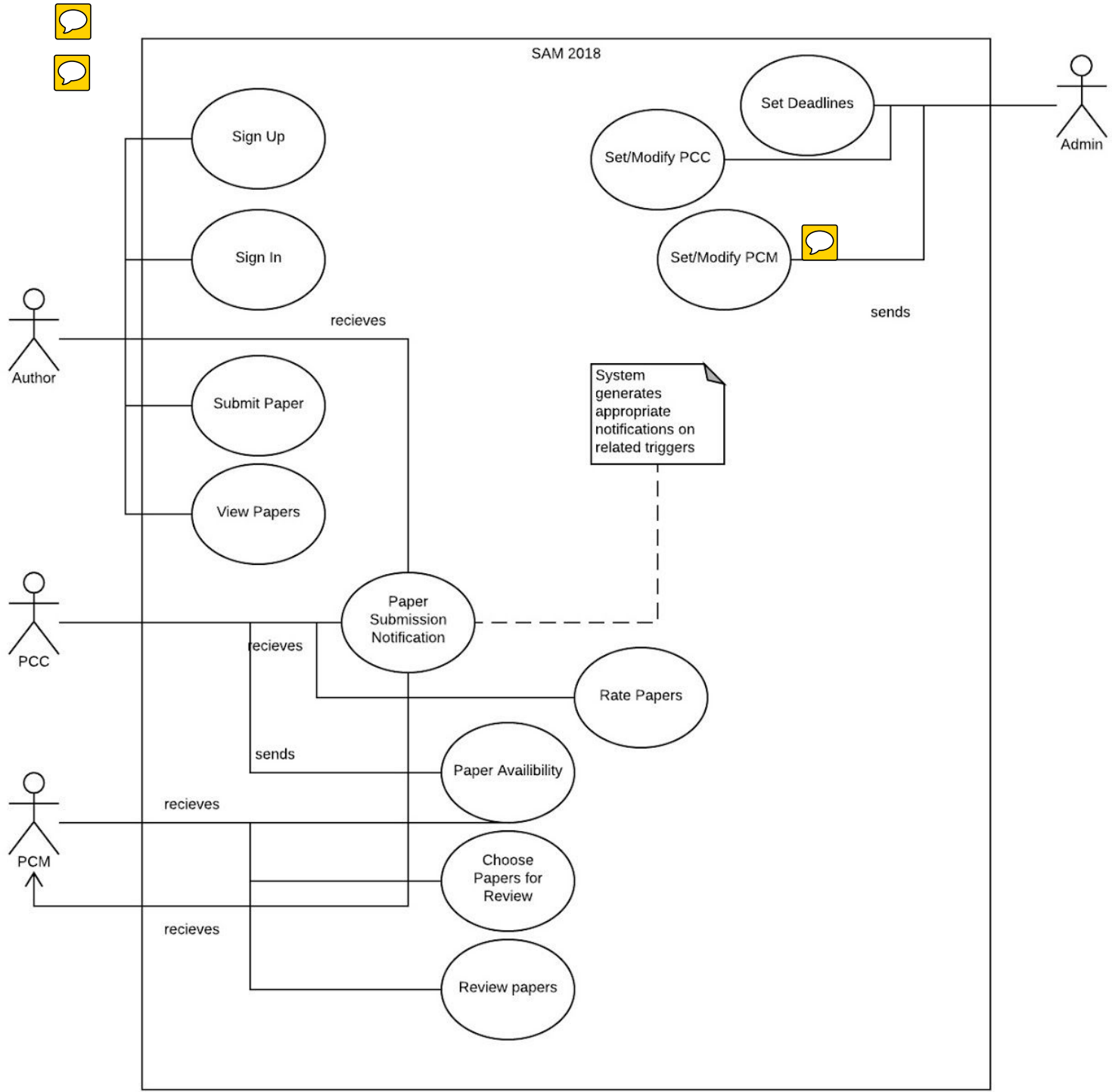
Priority:			
Use Case ID:	9		
Use Case Name:	PCC rates the papers		
Created By:	Team	Last Updated By:	10/10/2017
Date Created:	10/10/2017	Date Last Updated:	10/10/2017

Actors:	PCC,PCM
Description:	The PCC rates the papers
Trigger:	None.
Preconditions:	The papers are rated by the PCC
Postconditions:	None.
Normal Flow:	1) The PCC rates each paper based on the reviews given by the PCMs.
Alternative Flows:	1) The PCMs provide conflicting reviews on the same paper: - In such a case, PCC has the PCMs discuss and re-review the paper before the PCC rates it.
Exceptions:	None
*Includes:	Sign up, Sign In, Paper Submission, PCM review
Priority:	

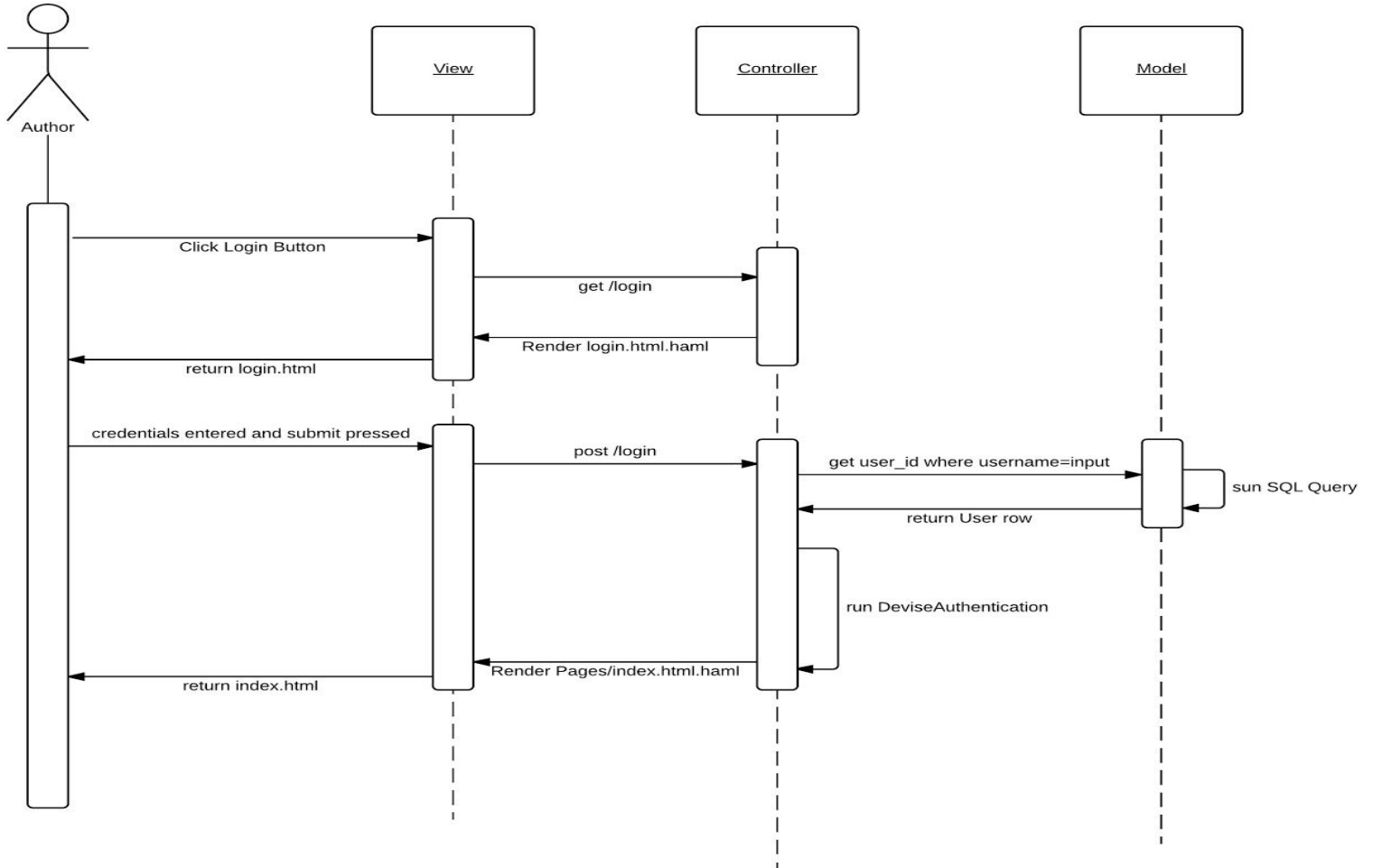
Use Case ID:	10		
Use Case Name:	Admin sets/modifies PCC,PCMs		
Created By:	Team	Last Updated By:	10/10/2017
Date Created:	10/10/2017	Date Last Updated:	10/10/2017

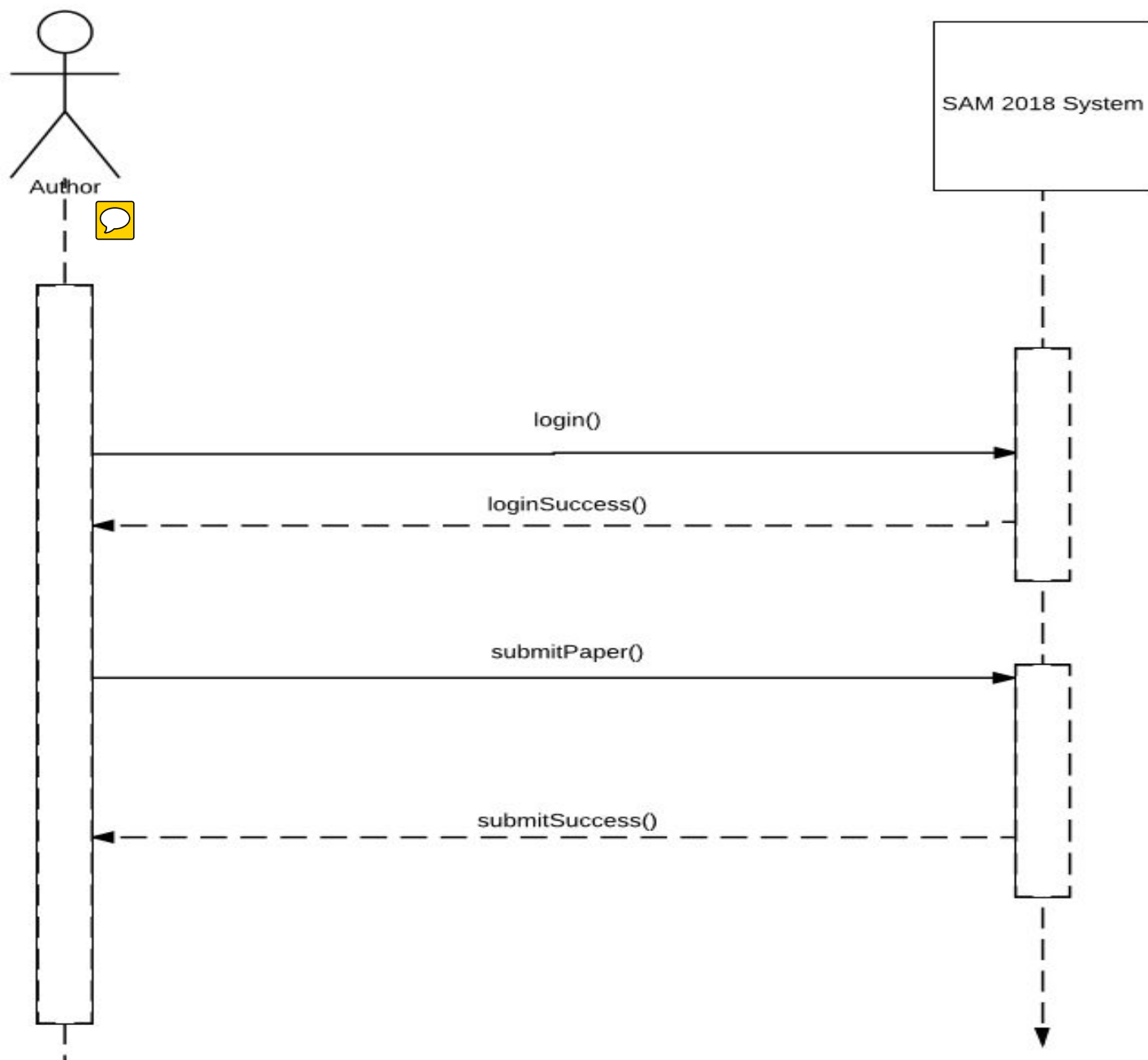
Actors:	PCC,PCM,Admin
Description:	The admin sets or modifies the PCC and PCMs
Trigger:	None.
Preconditions:	None.
Postconditions:	None.
Normal Flow:	1) The admin selects the PCC and PCMs
Alternative Flows:	1) Admin modifies the PCC/ PCMs: - In such a case, admin chooses the new PCC/PCC. The old PCM/PCC are no longer actors.

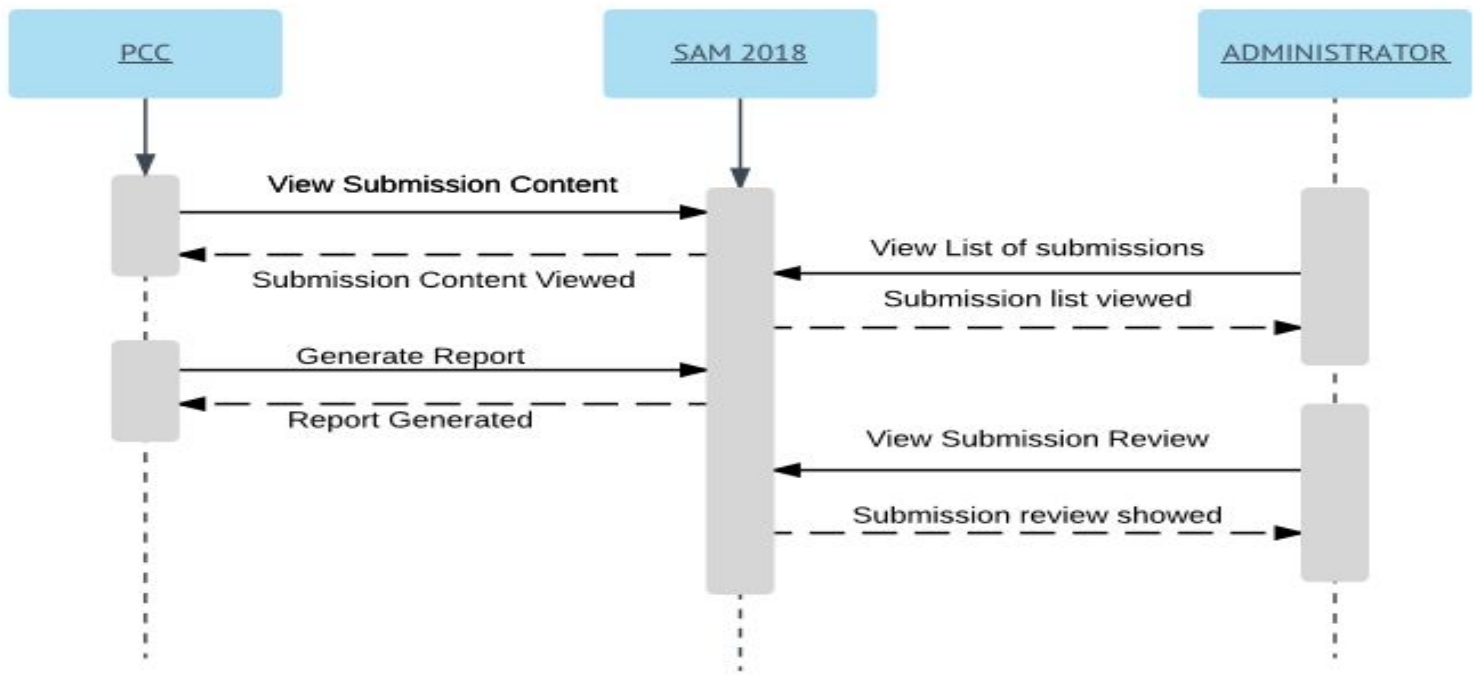
Exceptions:	None
*Includes:	
Priority:	



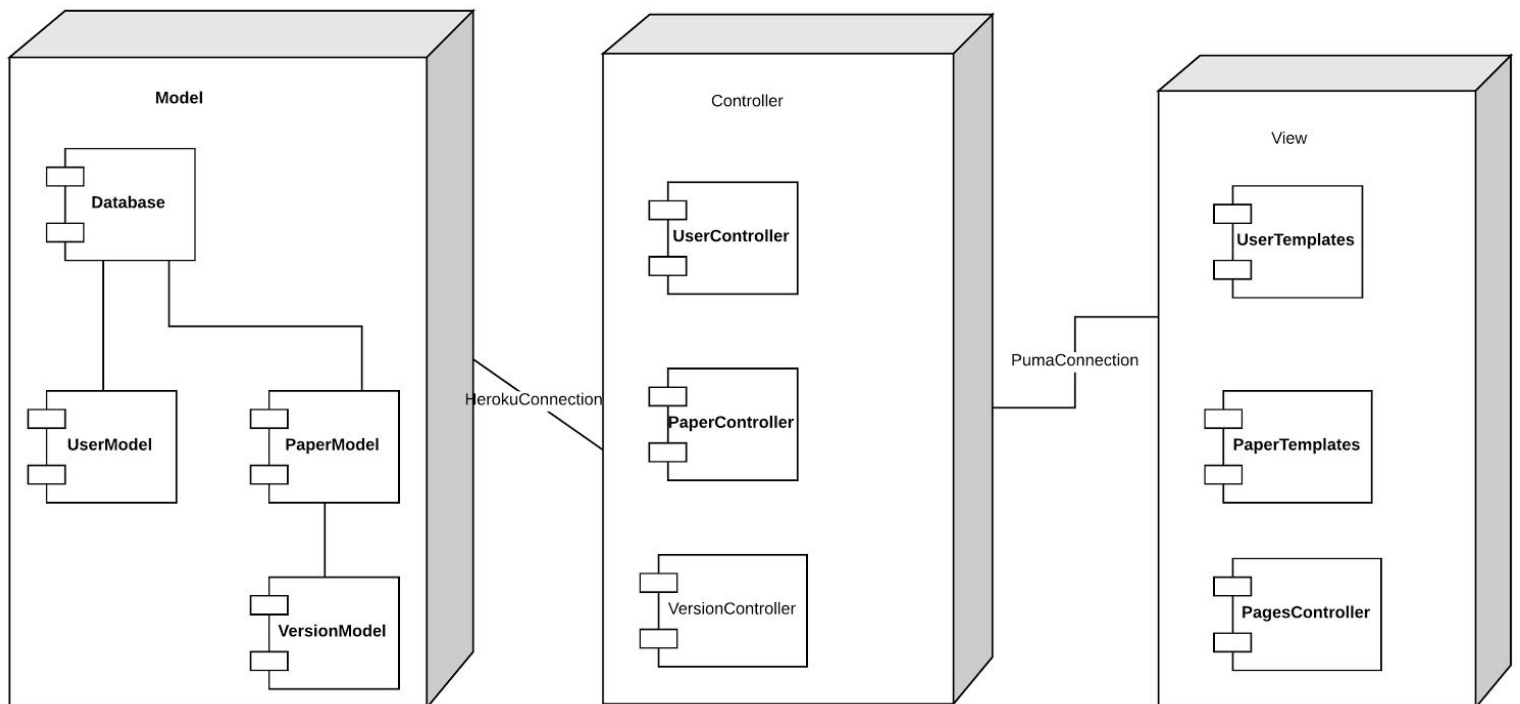
System Sequence Diagram






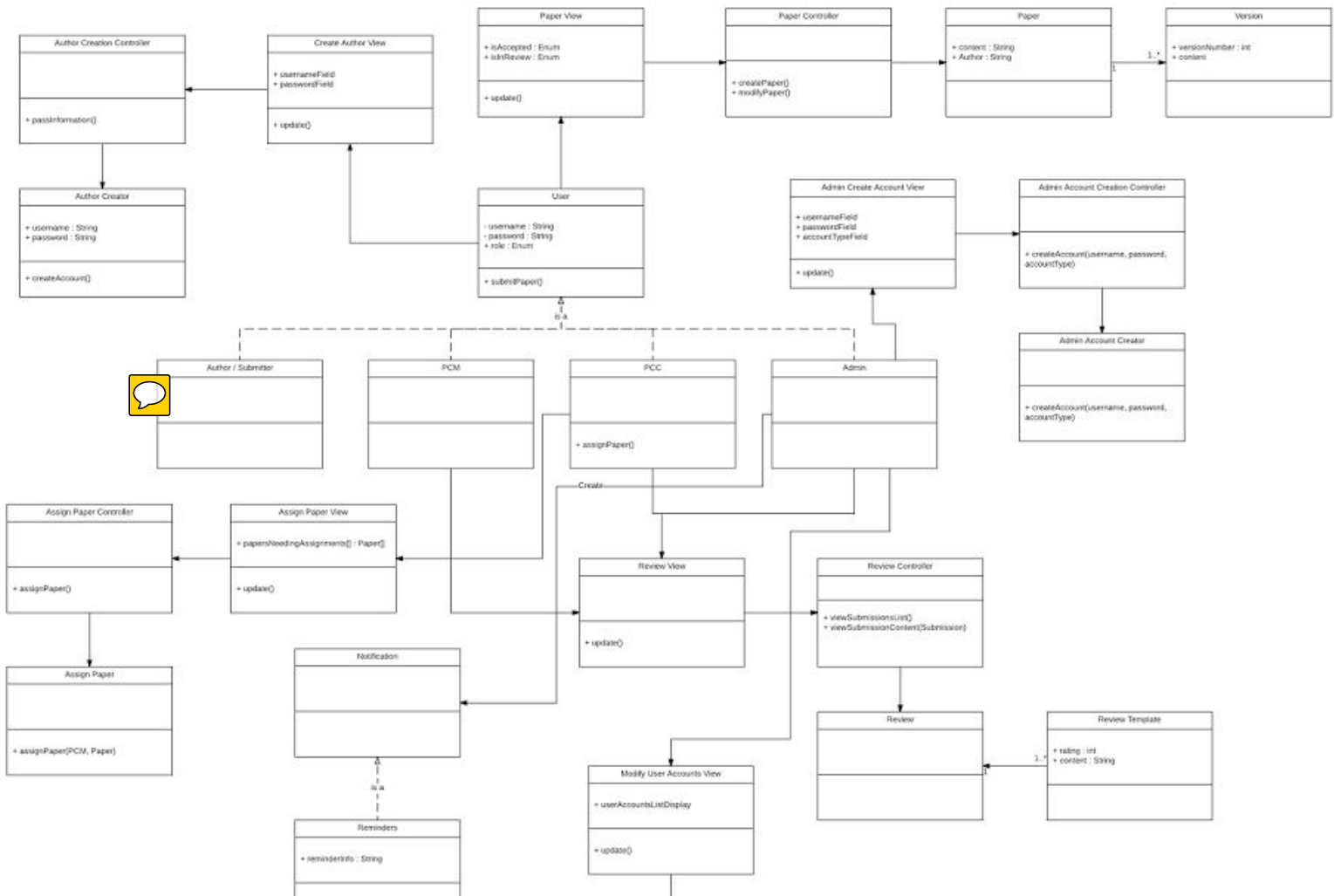


Architectural Model



Design Class Diagram

The class diagram was created to help us further in the development of the project. The classes and some of the important attributes and methods have been shown. 



Behavioral Diagrams

Admin Create Account

