

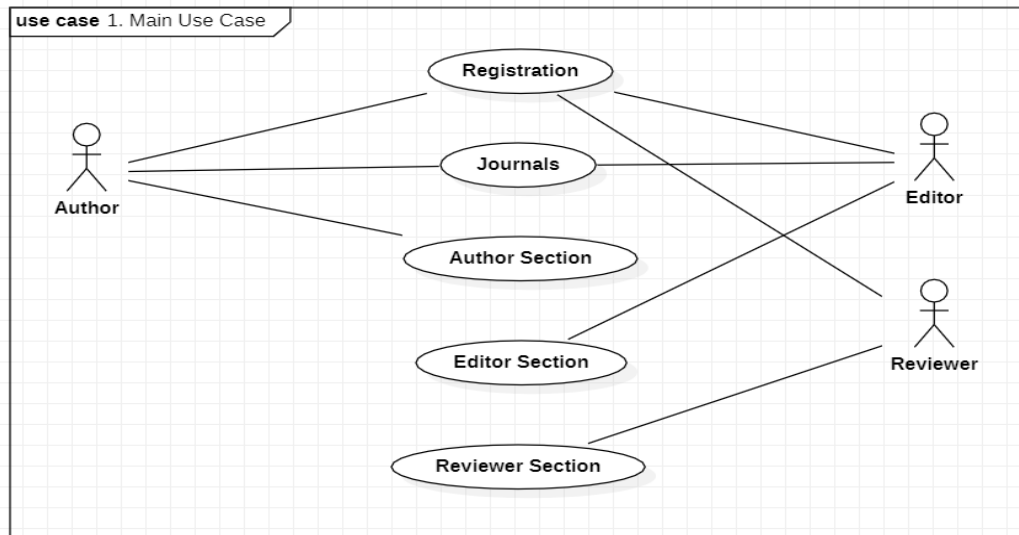


VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

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REGISTER NO. : **19BCE1268**
SLOT : **E1**
COURSE CODE : **CSE3001**
COURSE NAME : **SOFTWARE ENGINEERING**
J Component
FACULTY INCHARGE : **Prof Sharath Kumar**
DATE OF SUBMISSION : **11.11.2020**

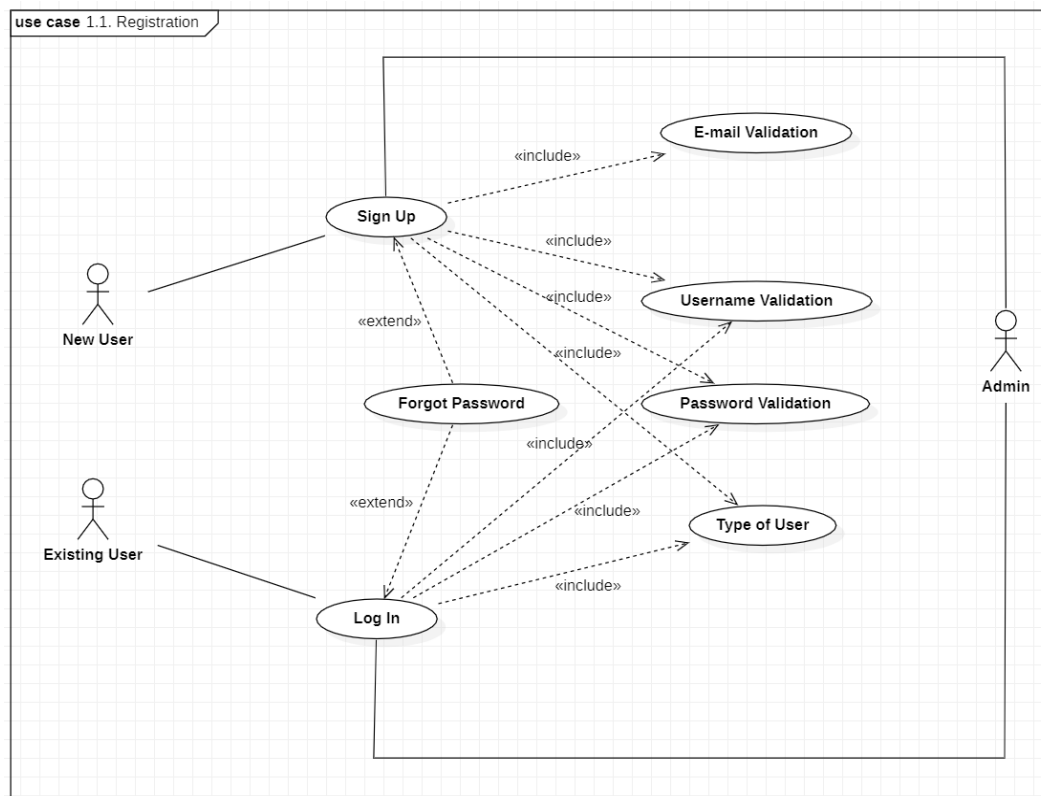
Complete UML diagrams
Journal Hub, Research Publication Website

1. MAIN USE CASE DIAGRAM:

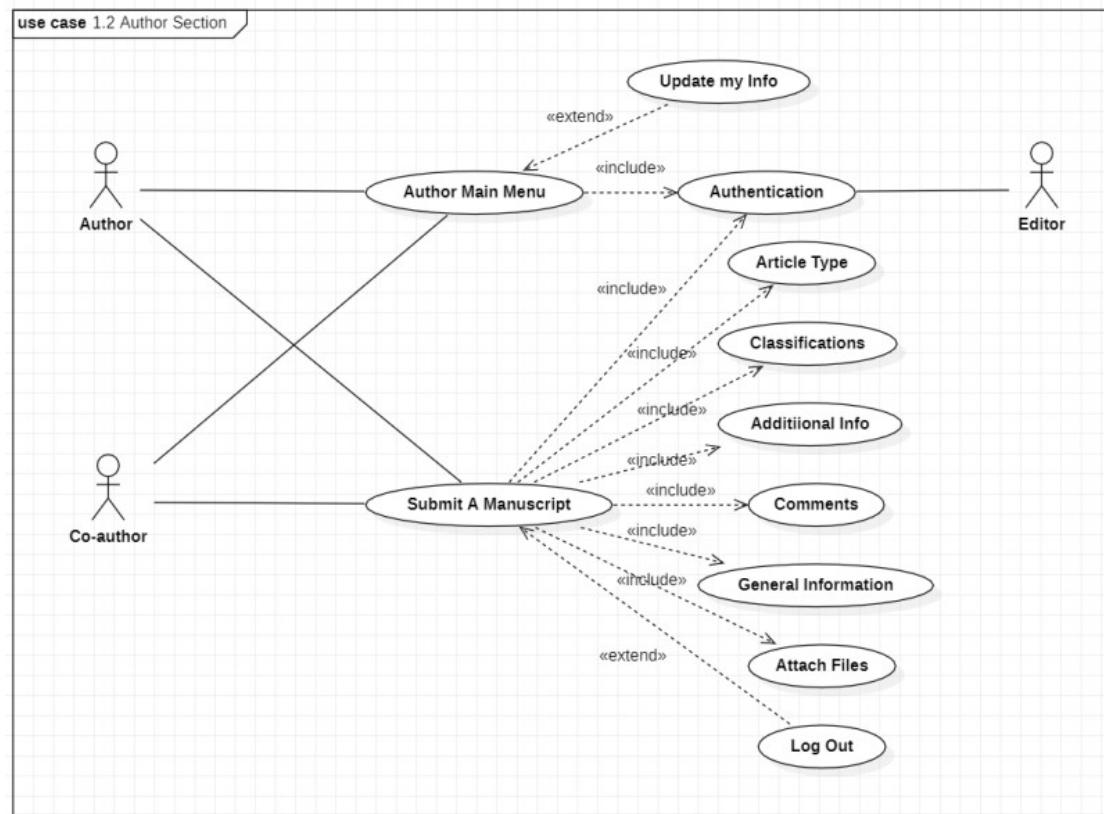


1.1. SUBSYSTEM USE CASE DIAGRAMS:

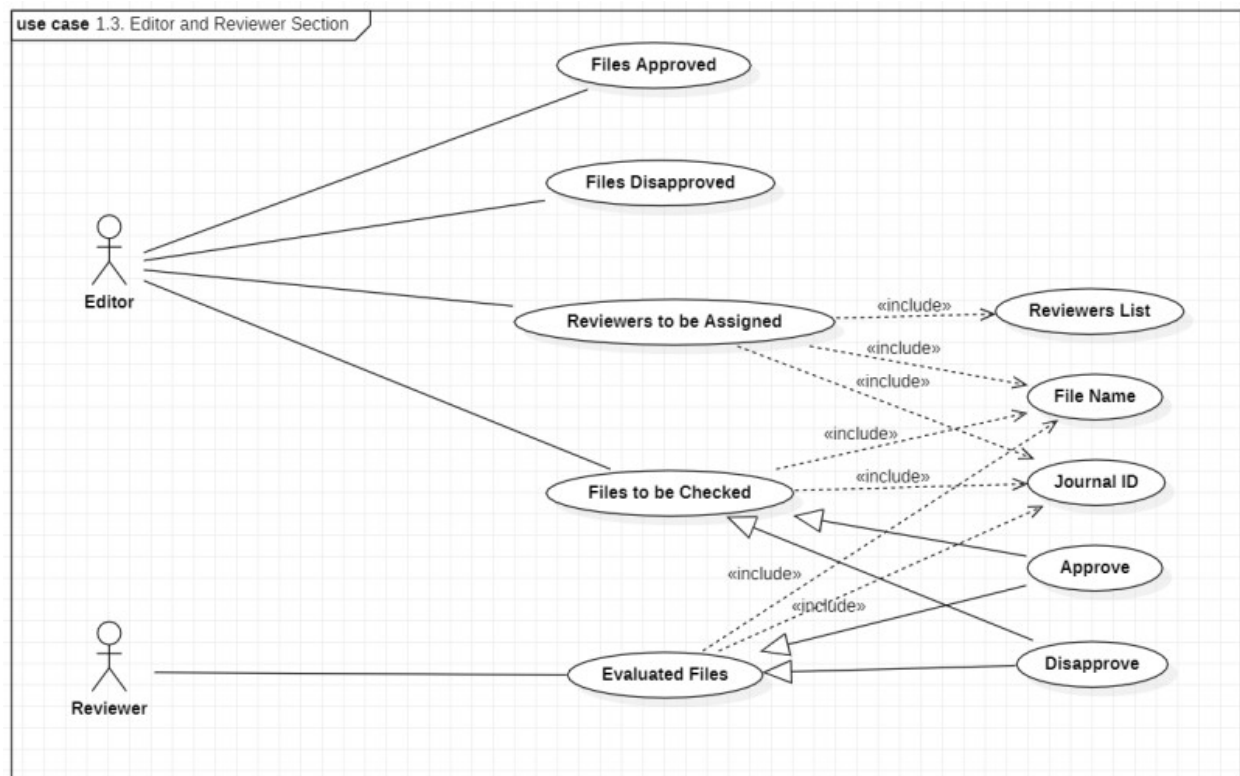
1.1.1. Registration



1.1.2. Author Section



1.1.2. Editor and Reviewer Section



2. MODULAR DESCRIPTION:

2.1.1. Registration

This module contains details about the author, co-author, editor, and reviewer. This module plays a huge role in this process because it is useful in retrieving the information of the actor at any point of time.

2.1.2. Journals

This module contains the total list of journals available in the website. This includes searching and browsing journals; viewing recommended publications by the system, approved submissions and articles published by the user.

2.1.3. Author Section

This module helps the author in knowing his approved submissions, letting him to add, update, delete his personal and professional information any point of time and submitting his manuscript. This eases the work of the author/co-author by submitting his/her files and details at a single place. Once the author submits his manuscript, the website generates a PDF which consists of the attachments provided by the author. This PDF is also sent to the author via Gmail.

2.1.4. Editor Section

This module involves the Editor, the manager of the website who has full access to the website, takes care of the authentication process and the approval of the submitted manuscripts. The editorial board approves the manuscript for the review process, if it meets the Submission criteria or rejects the manuscript before peer review. The editorial board decides to whether publish the manuscript or not. The author is informed with the decision and the manuscript would be published.

2.1.5. Reviewer Section

This module involves the Reviewer, who is/are assigned by the editor and has complete knowledge of the journal. Only after his approval, the editor decides to whether publish his/her manuscript in the website. An email is sent to the author regarding the approval/disapproval of his submission.

3. USE CASE TEMPLATES:

3.1. Registration

Use Case ID:	4.1		
Use Case Name:	Registration		
Created By:	S.Girish	Last Updated By:	S.Girish
Date Created:	24.08.2020	Date Last Updated:	28.08.2020

Actor:	Editor
Description:	User authentication and Veification of details like username and password for entry to his/her account.
Preconditions:	1. User's identity has been authenticated. 2. User's computer has sufficient free memory to launch the task. 3. User's computer has sufficient speed to run the task.
Postconditions:	1. Only valid users are allowed in the website. 2. Wrong credentials are notified. 3. Registered user can remain logged in even after using it.
Priority:	High, since it ensures security and optimal flow of the system process.
Frequency of Use:	30 times per day
Normal Course of Events:	Entering the Details and getting access to products in the website
Alternative Courses:	If Entered Details are wrong, then user gets an error message
Exceptions:	Username/Password/Email may not be valid.
Includes:	Searching for journals under different categories
Special Requirements:	Secondary email or mobile phone number for backup
Assumptions:	Valid Username, Password and email by the user.

3.2. Journals

Use Case ID:	4.2		
Use Case Name:	Journals		
Created By:	S.Girish	Last Updated By:	S.Girish
Date Created:	24.08.2020	Date Last Updated:	28.08.2020

Actor:	Customer
Description:	View and Browse journals and submit the same
Preconditions:	1. User's identity has been authenticated. 2. User's computer has sufficient free memory to launch the task. 3 User's computer has sufficient speed to run the task.
Postconditions:	1. Only valid users are allowed in the website. 2. Customer can view/add/remove journals from their submission list. 3. Registered user submissions are saved after logging out of the system.
Priority:	High, since it allows users to select their choice of journals among different categories.
Frequency of Use:	15 times per day
Normal Course of Events:	Selecting a journal for making a submission
Alternative Courses:	Added submissions can also be removed
Exceptions:	Journals may not selected for publishing
Includes:	Searching for journals under differnt categories
Special Requirements:	Authentication of the user in order to proceed with submission .
Assumptions:	Basic idea about the interface in order to search journals.

3.3. Author Section

Use Case ID:	4.3		
Use Case Name:	Author Section		
Created By:	S.Girish	Last Updated By:	S.Girish
Date Created:	24.08.2020	Date Last Updated:	28.08.2020

Actor:	Author and Co-author
Description:	Verify the details and clarify their doubts
Preconditions:	1. User's identity has been authenticated. 2. User's computer has sufficient free memory to launch the task. 3. User's computer has sufficient speed to run the task.
Postconditions:	1. User's identity has been authenticated. 2. User's computer has sufficient free memory to launch the task. 3. User's computer has sufficient speed to run the task.
Priority:	Allows author to enter details under different categories
Frequency of Use:	15 times per day
Normal Course of Events:	Generating PDF, sending a mail to the author and the review process.
Alternative Courses:	Can cancel the submission
Exceptions:	Some details may not be entered
Includes:	Updating personal and professional information
Special Requirements:	Authentication of the customer in order to proceed with Checkout.
Assumptions:	All required details are provided for submission.

3.4. Editor Section

Use Case ID:	4.4		
Use Case Name:	Editor Section		
Created By:	S.Girish	Last Updated By:	S.Girish
Date Created:	24.08.2020	Date Last Updated:	28.08.2020

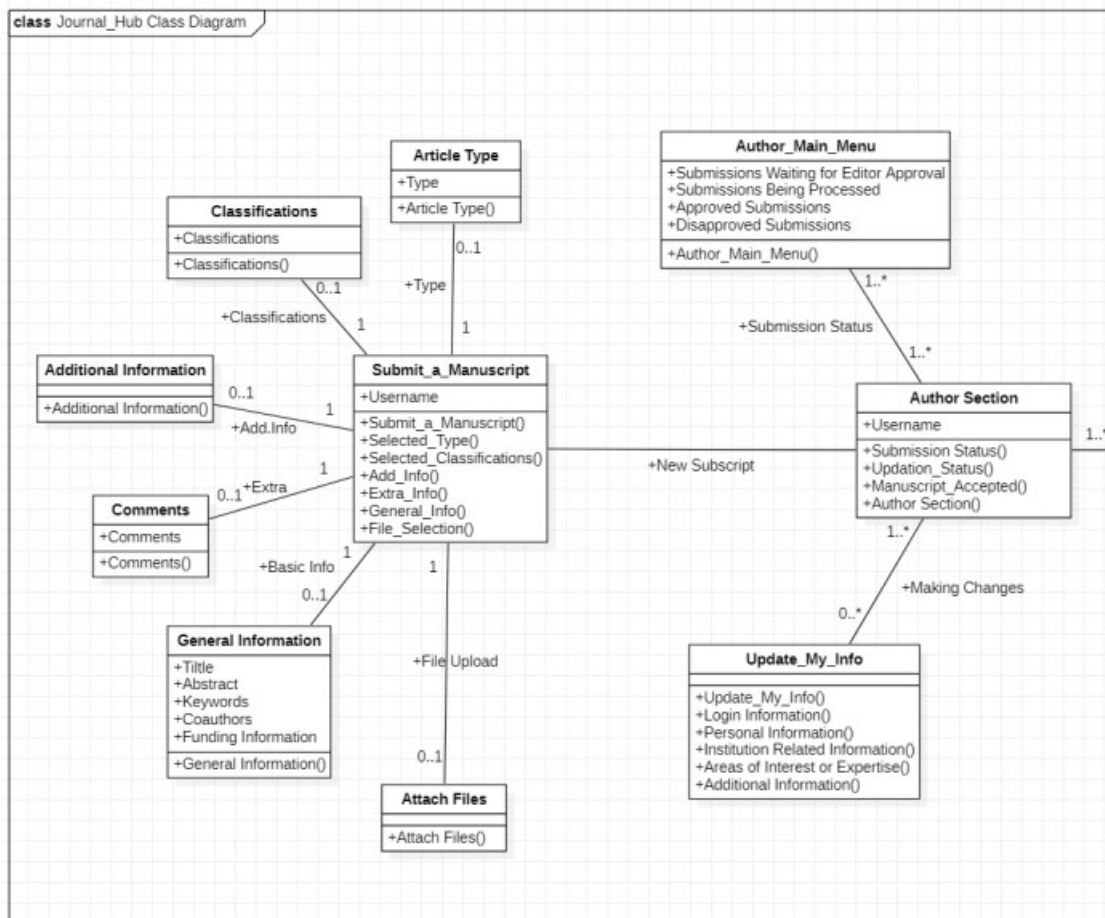
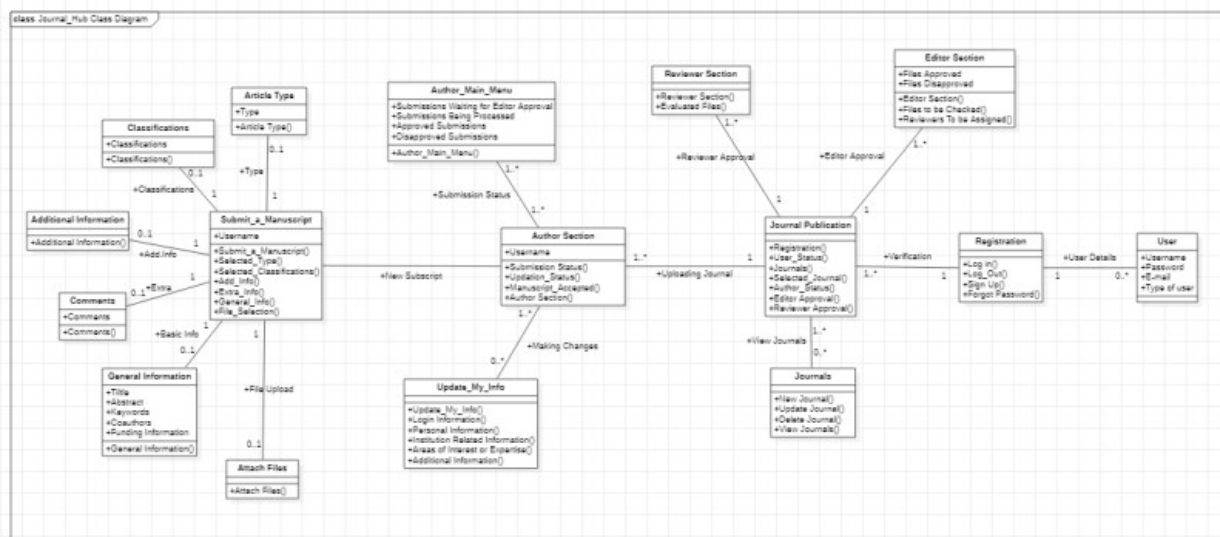
Actor:	Editor
Description:	Verify the submission, approve/disapprove it and assign reviewers.
Preconditions:	1. User's identity has been authenticated. 2. User's computer has sufficient free memory to launch the task. 3. User's computer has sufficient speed to run the task.
Postconditions:	1. Only valid users are allowed in the website. 2. Editor can choose to either approve or disapprove the submission. 3. If approved, the editor can assign reviewers for publishing the manuscript.
Priority:	High, since it decides the publication of the manuscript
Frequency of Use:	15 times per day.
Normal Course of Events:	Authentication and way of transaction
Alternative Courses:	Disapproval of the submission before assigning reviewers
Exceptions:	Author might have attached wrong file for submission
Includes:	Different ways of completing transaction
Special Requirements:	Author can enter all details to ease the work of editor
Assumptions:	Author and Editor details are valid.

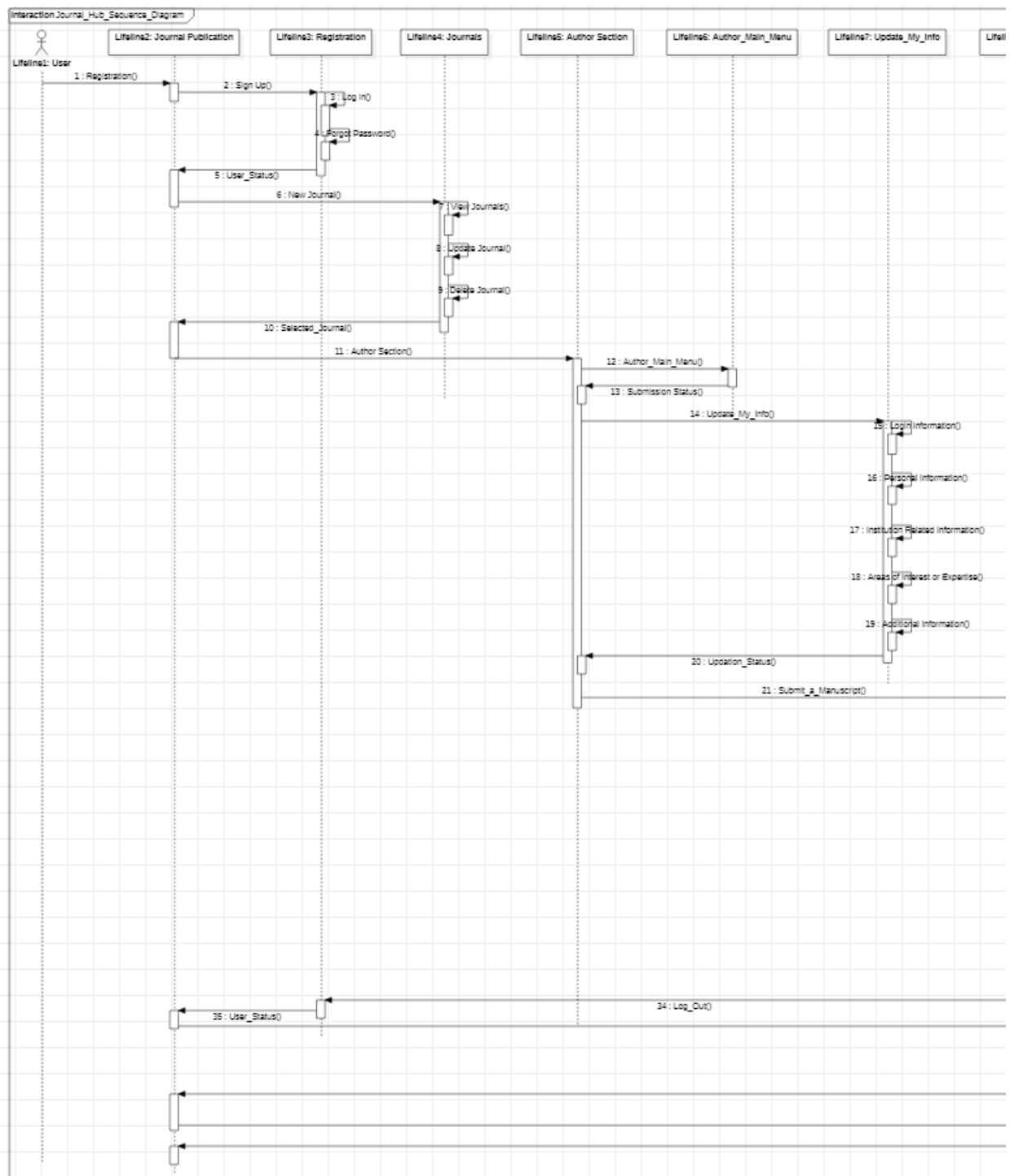
3.5. Reviewer Section

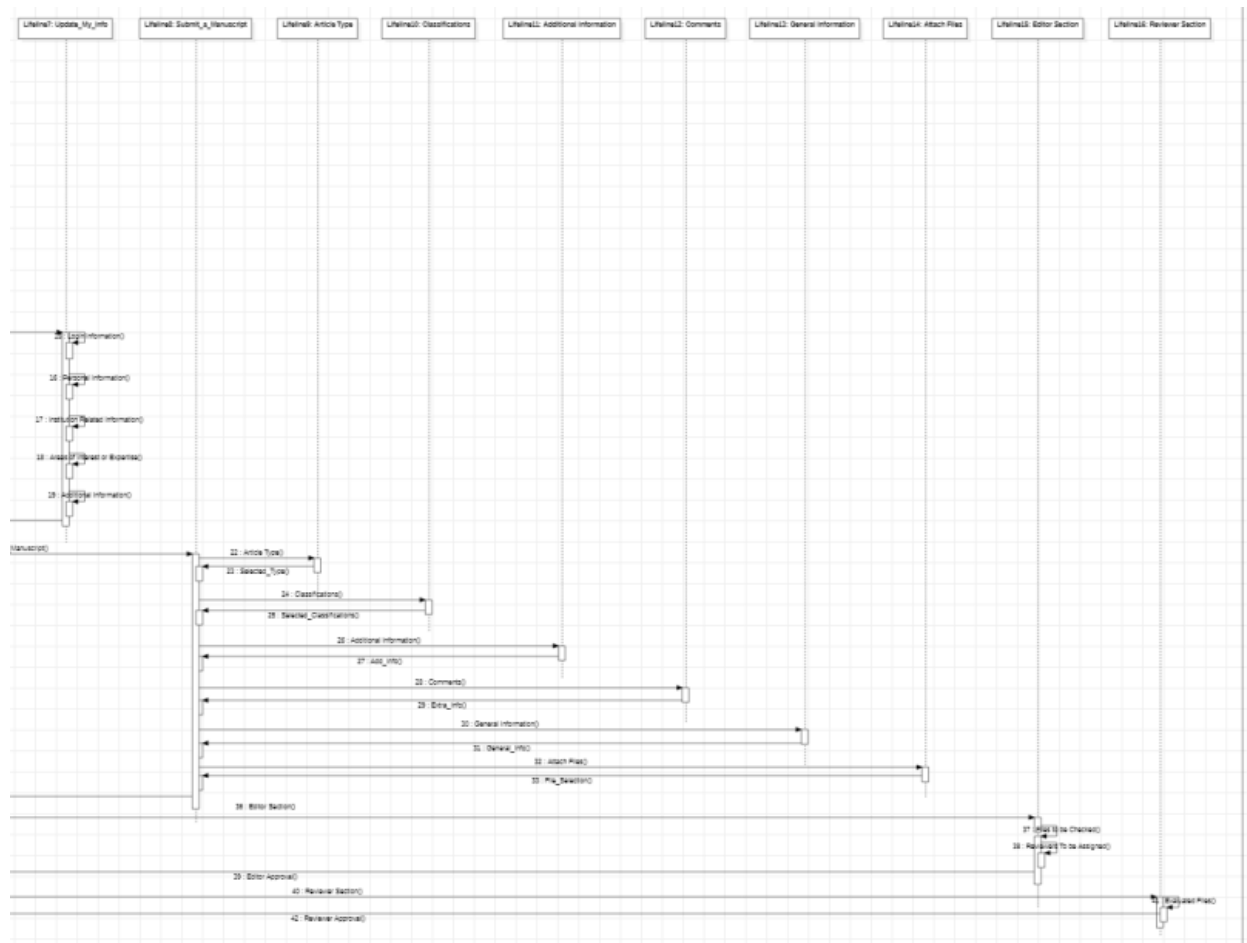
Use Case ID:	4.5		
Use Case Name:	Reviewer Section		
Created By:	S.Girish	Last Updated By:	S.Girish
Date Created:	24.08.2020	Date Last Updated:	28.08.2020

Actor:	Customer and Shippment Agent
Description:	Fast and safe delivery to the customer
Preconditions:	1. User's identity has been authenticated. 2. User's computer has sufficient free memory to launch the task. 3. User's computer has sufficient speed to run the task.
Postconditions:	1. Only valid users are allowed in the website. 2. Reviewer can choose to either approve or disapprove the submission. 3. Once approved the author gets a success message in mail.
Priority:	High, since it decides the publication of manuscript
Frequency of Use:	15 times per day
Normal Course of Events:	Tracking of submission and approving it.
Alternative Courses:	Can disapprove the submission within a fixed period of time
Exceptions:	Reviewer might not be available
Includes:	Viewing the merged PDF, if the reviewer wants ti verify the submission.
Special Requirements:	Reviewer can choose to either approve or disapprove the submission.
Assumptions:	Reviewer may have to verify his credentials before approving a manuscript.

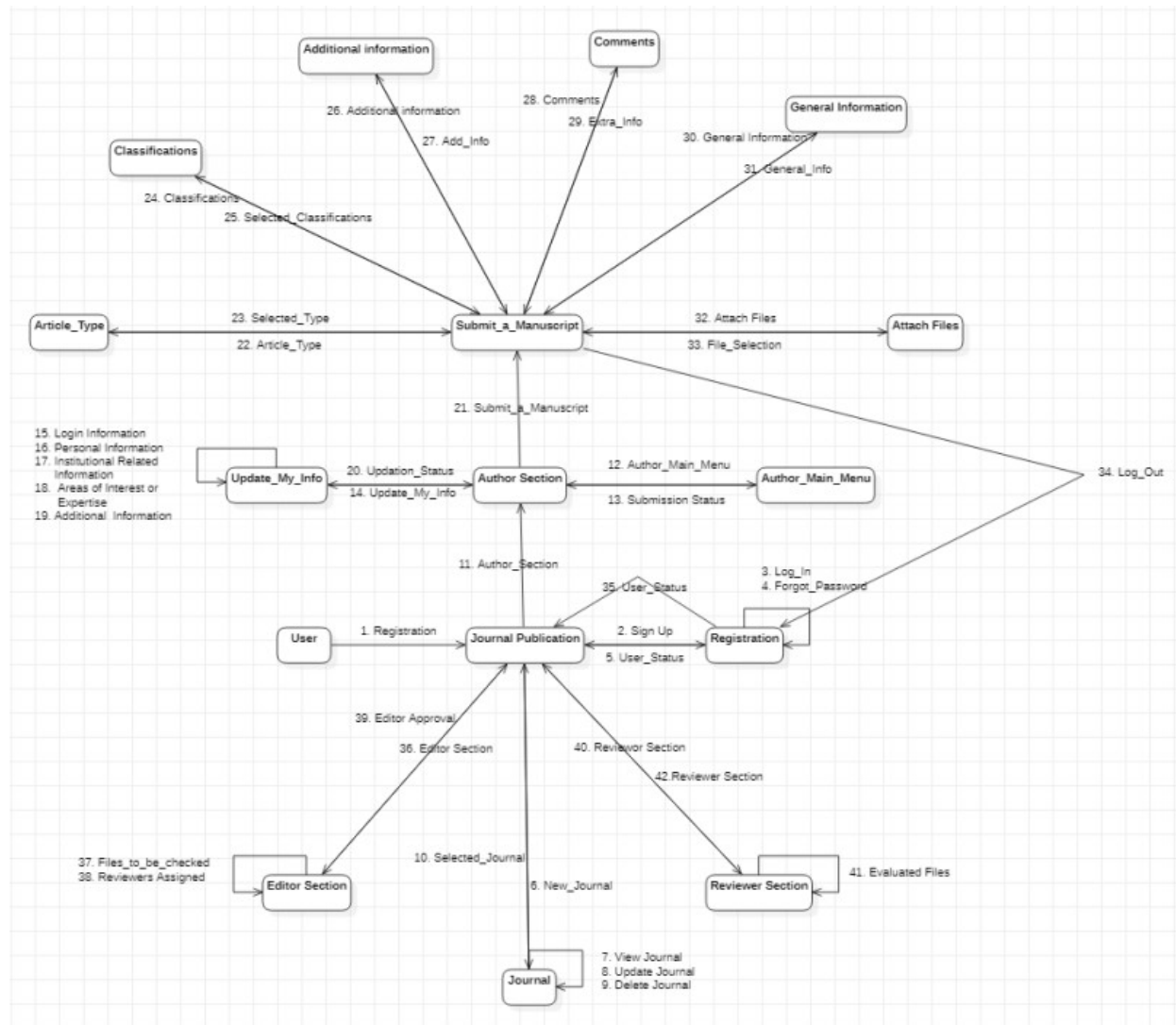
4. CLASS DIAGRAM:





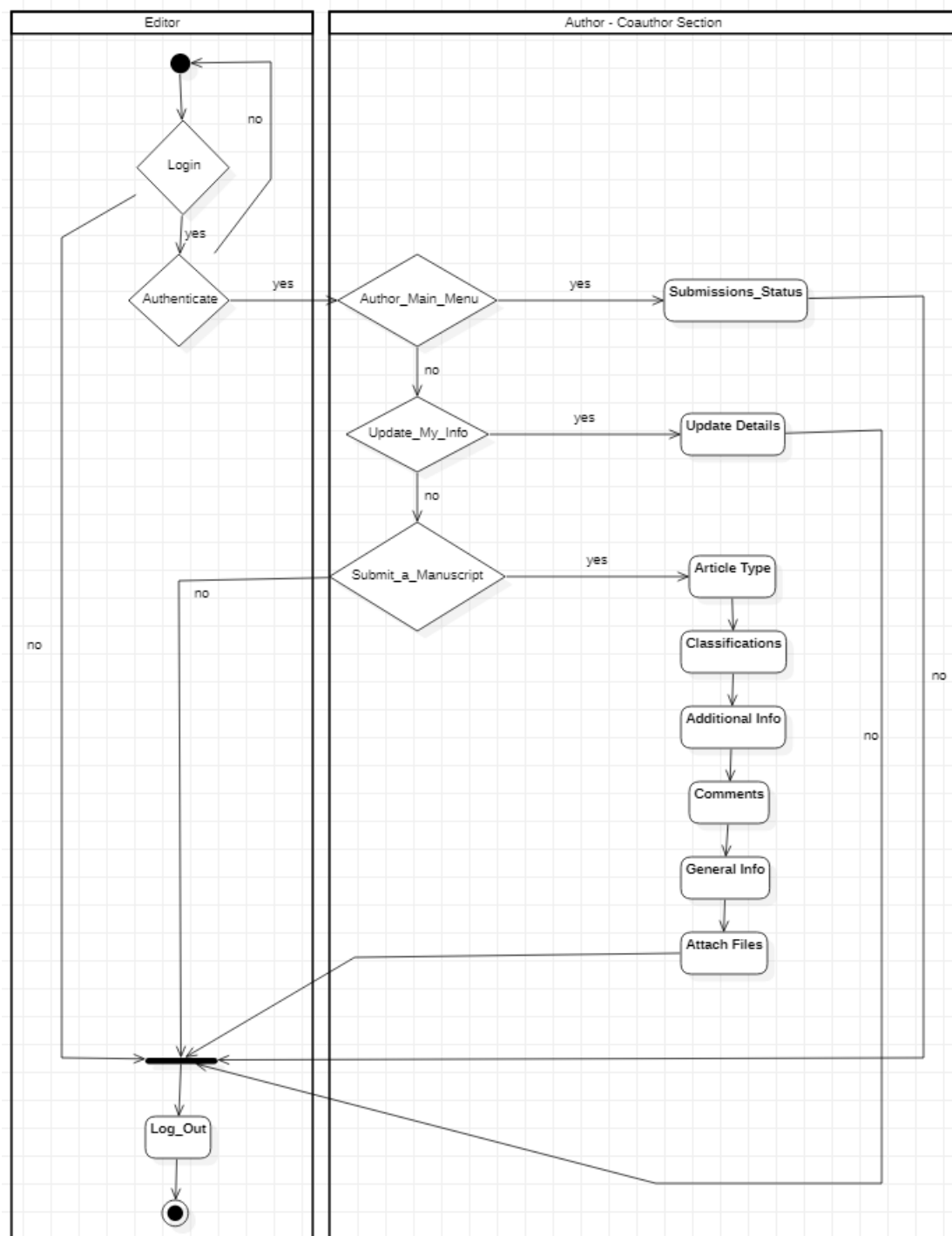


6. COLLABORATION DIAGRAM :

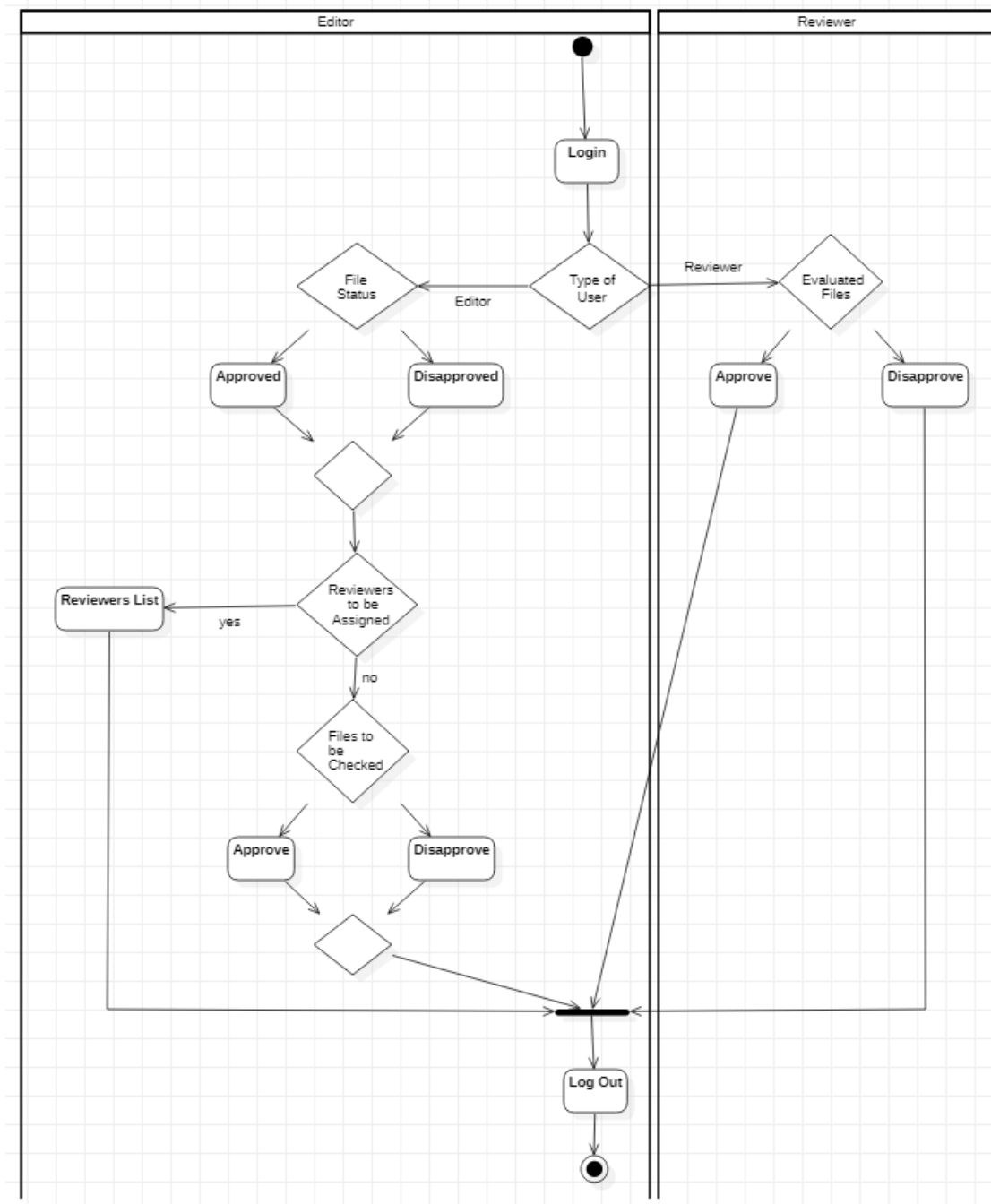


7. ACTIVITY DIAGRAMS :

7.1. AUTHOR SECTION

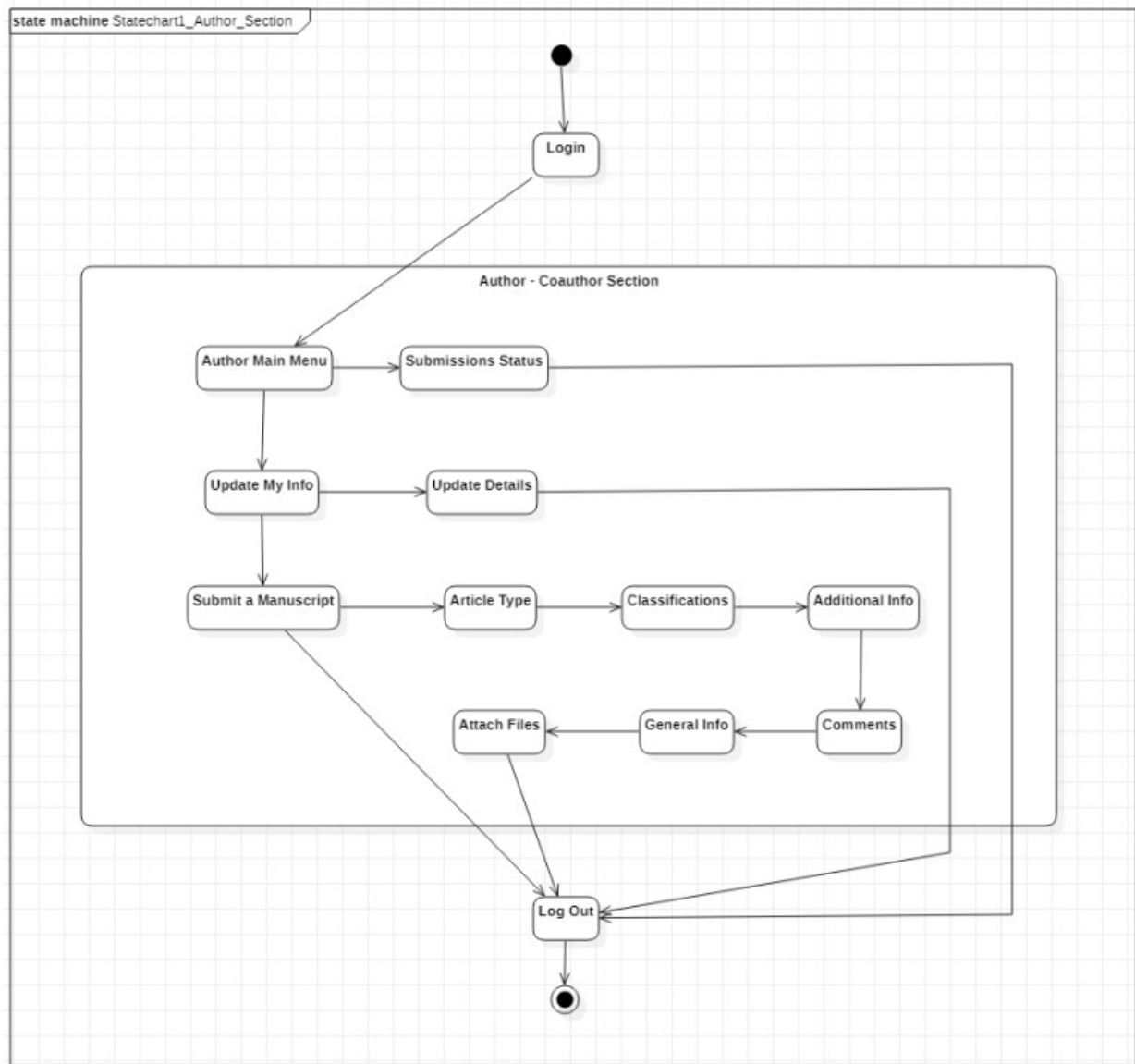


7.2. EDITOR AND REVIEWER SECTION



8. STATE CHART DIAGRAMS :

8.1. AUTHOR SECTION



8.2. EDITOR AND REVIEWER SECTION

