Software Design Document

for

Collaborator

Version 1.0

Prepared by

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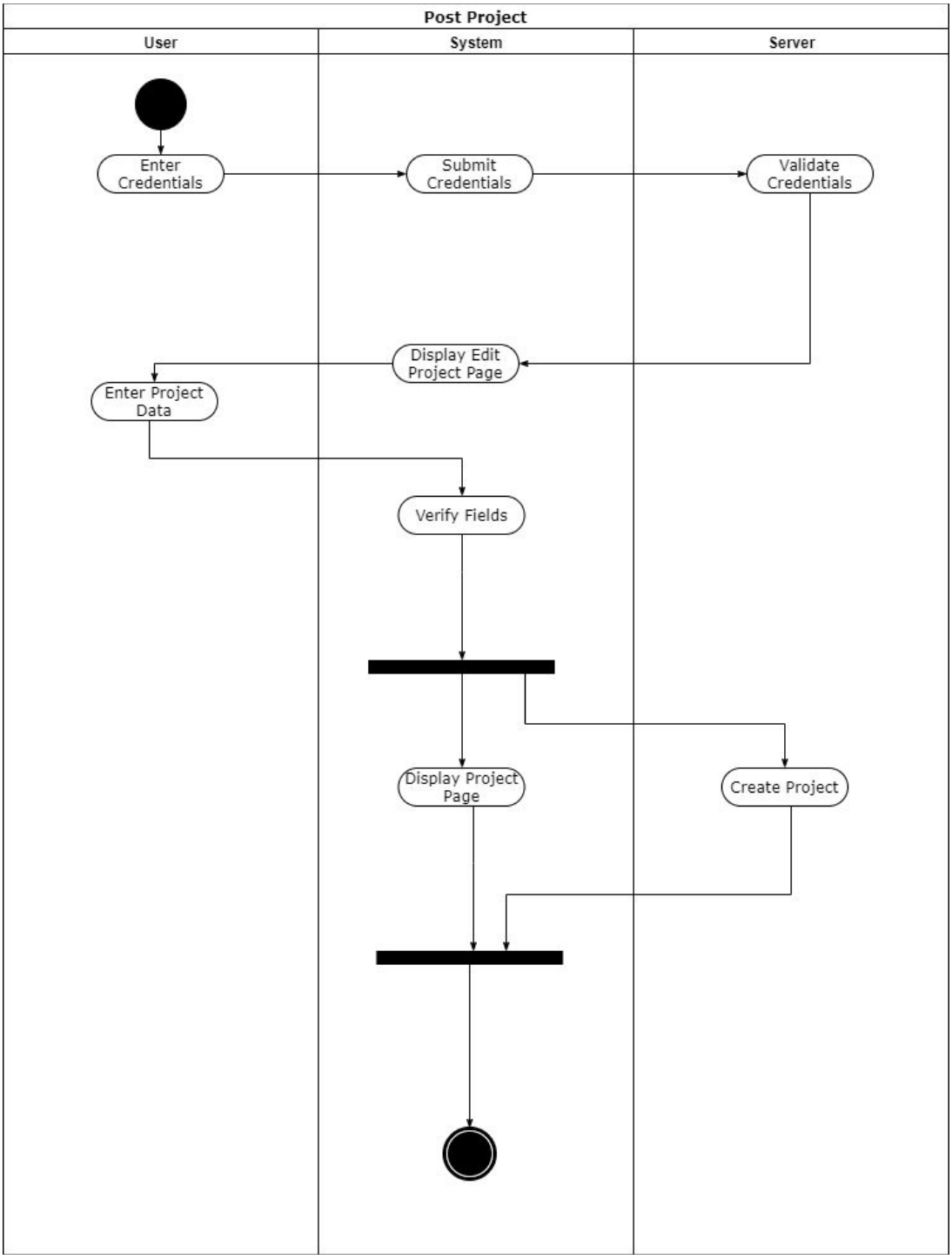
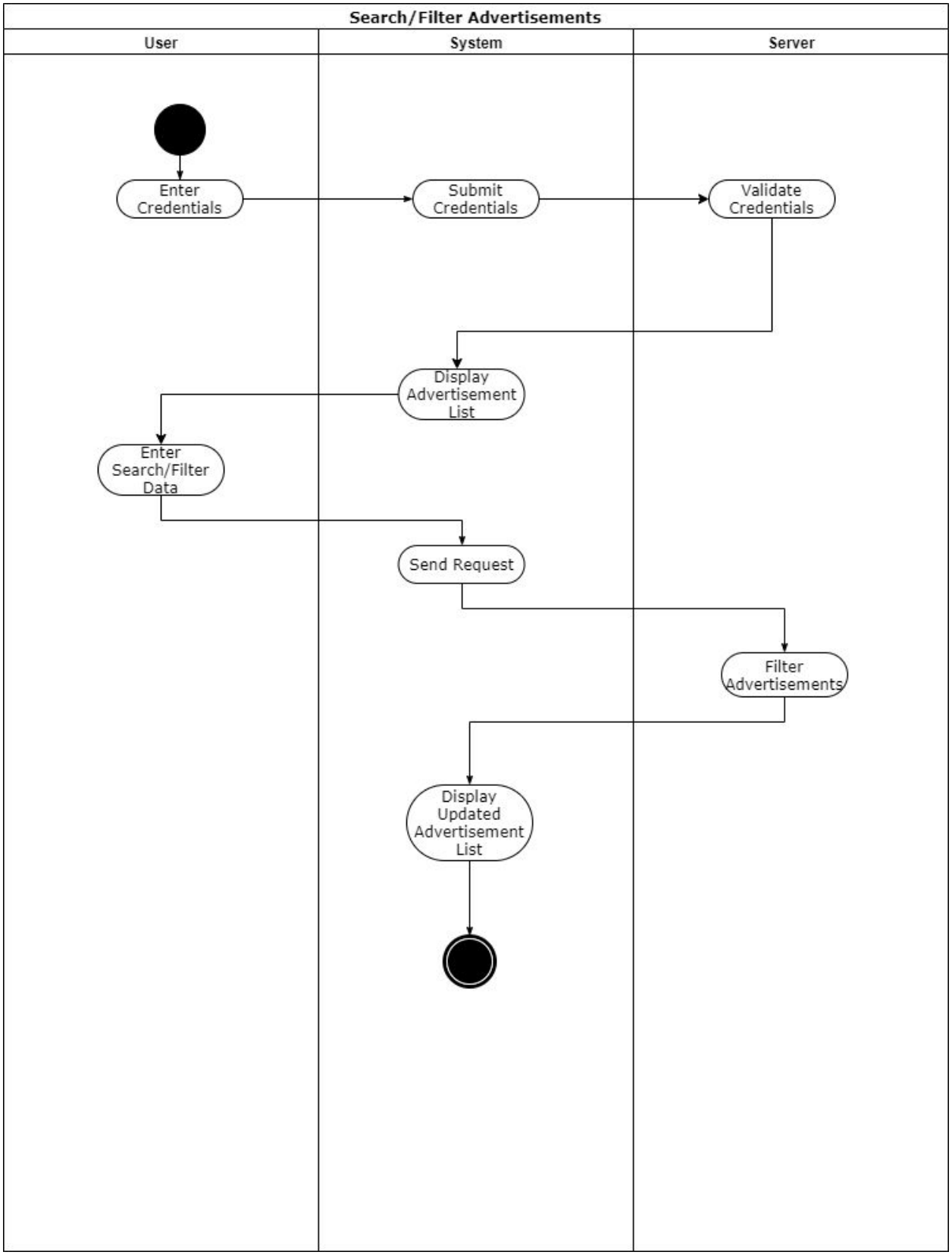
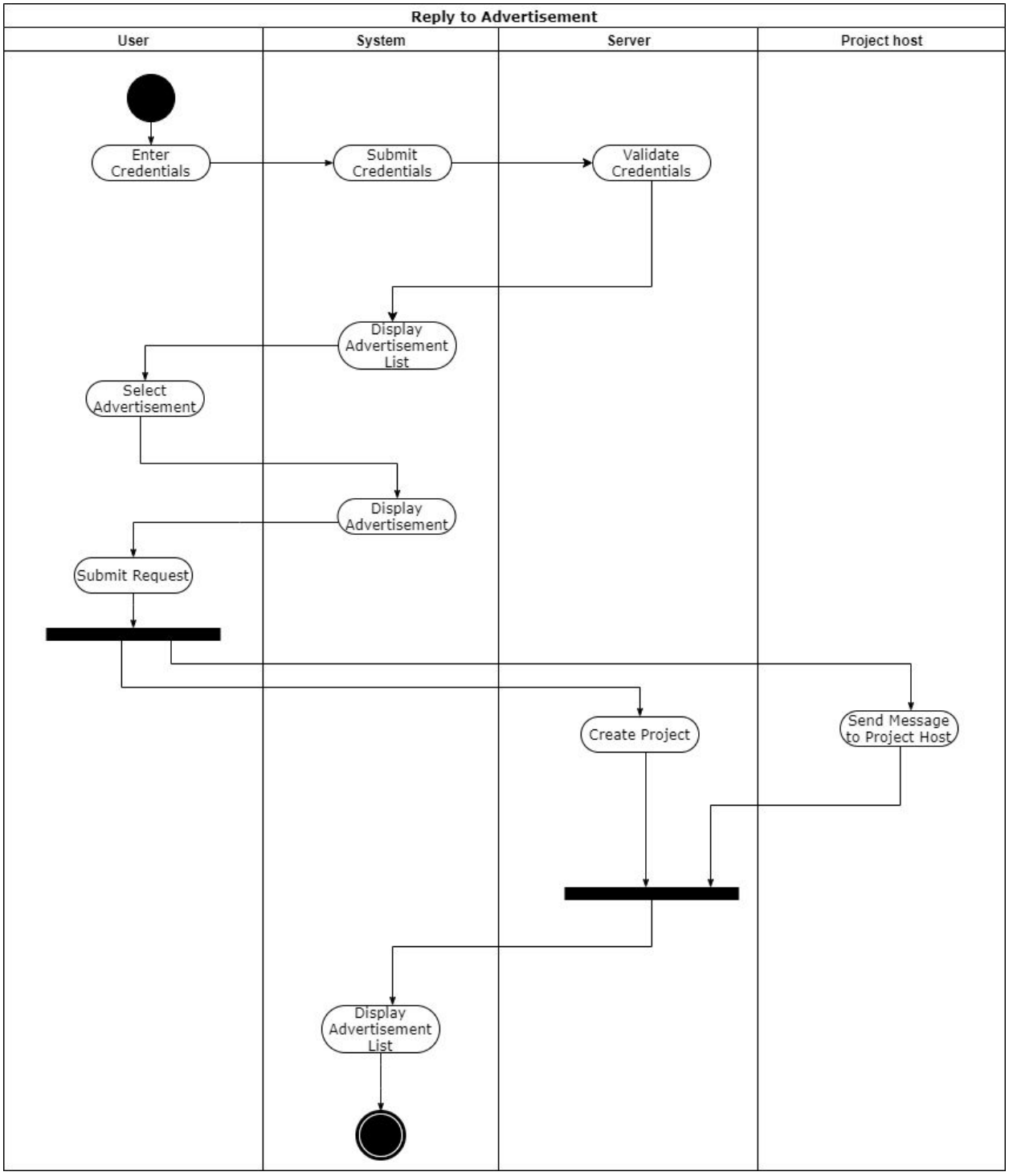
Activity Diagrams

Below are the activity diagrams for several use cases of the application. The first is creating a project to be displayed on the application for others to view. The second is for users who wish to search for specific advertisements, and the third is the use case of replying to a specific post.

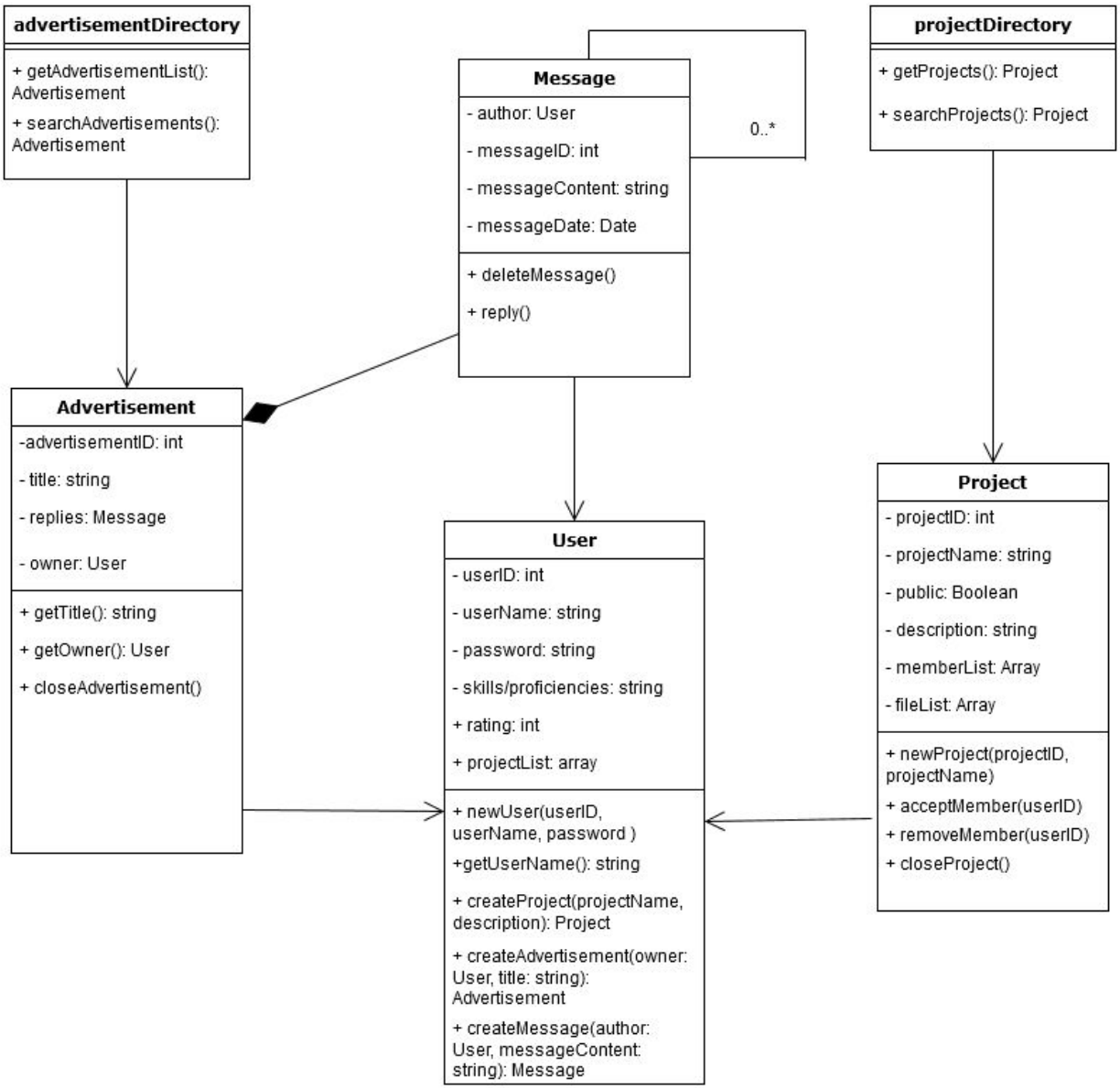



Search/Filter Advertisements
User
System
Server
Enter Credentials
Submit Credentials
Validate Credentials
Display Advertisement List
Enter Search/Filter Data
Send Request
Filter Advertisements
Display Updated Advertisement List


Reply to Advertisement
User
System
Server
Project host
Enter Credentials
Submit Credentials
Validate Credentials
Display Advertisement List
Select Advertisement
Display Advertisement
Submit Request
Create Project
Send Message to Project Host
Display Advertisement List

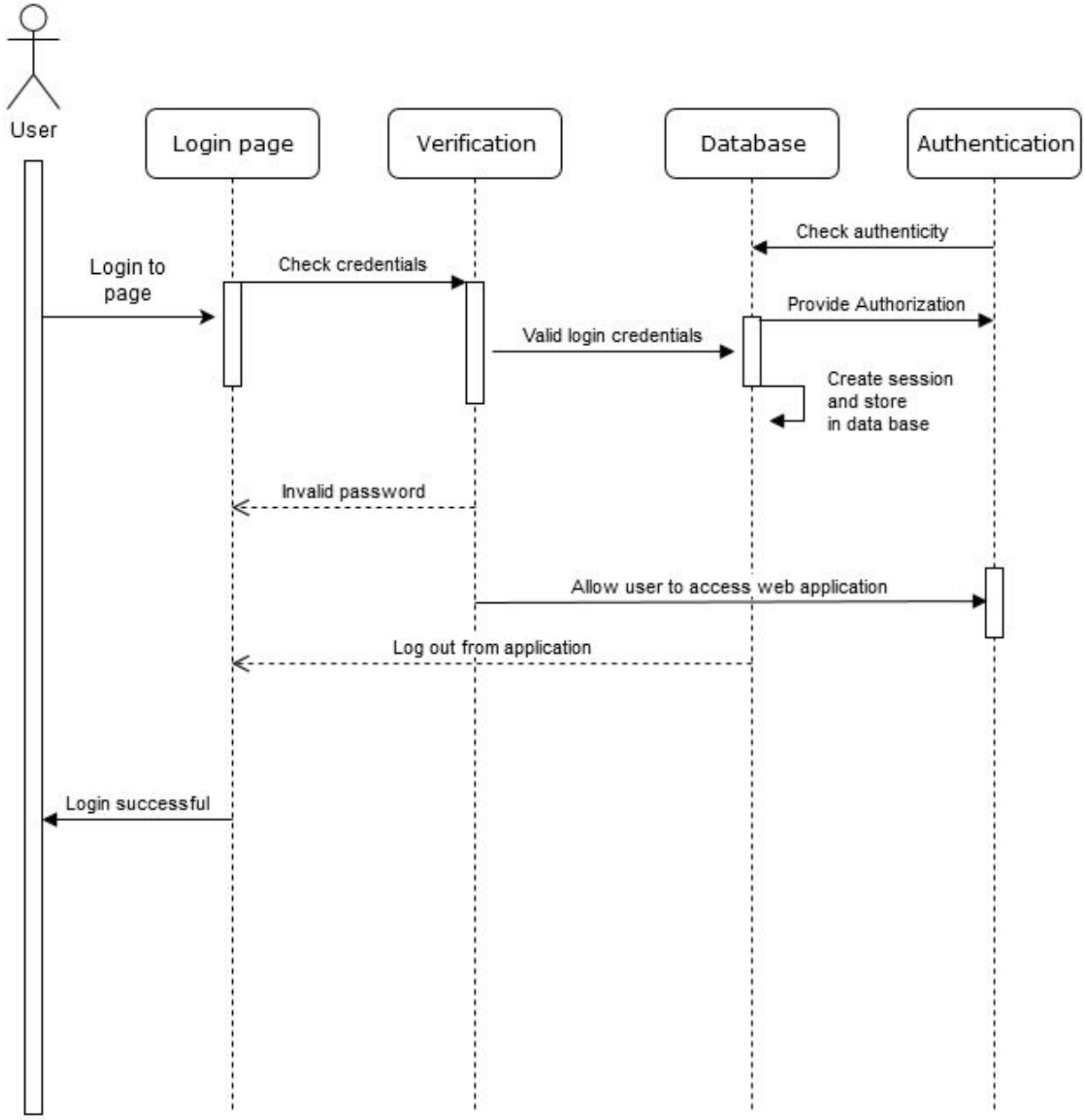
Class diagram

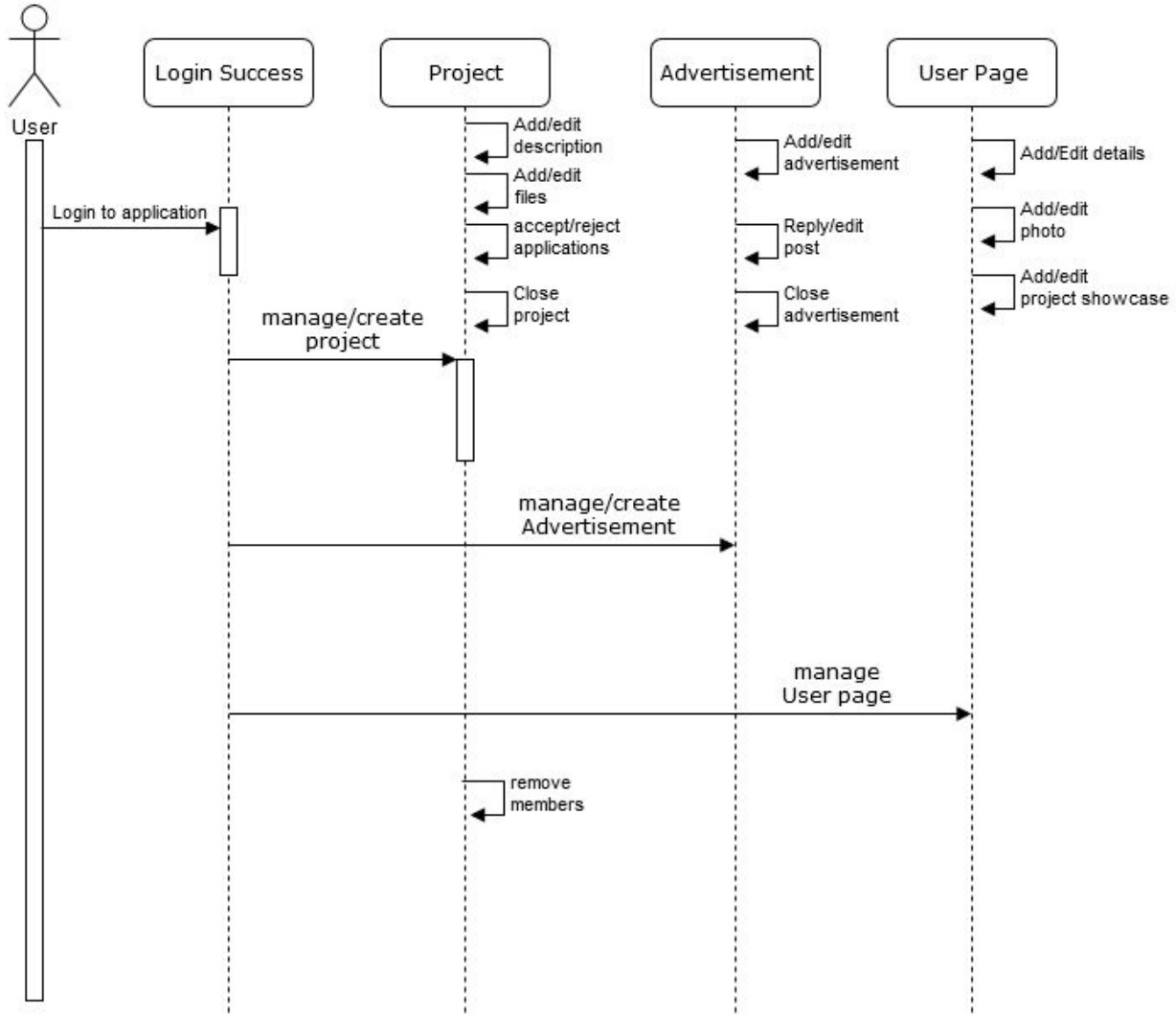
Below is the class diagram for Collaborator. Most of the classes developed for the web application will be tied to the user class, meaning that it will be reliant on having an account to use most if not all the actions one can do within it.



Sequence Diagrams

Sequence diagrams were chosen over state diagrams as it expressed the web applications features more descriptively. Below are two sequence diagrams for Collaborator. The first is a log in diagram showing the process that would be taken. The second is an action sequence diagram showing what a user can do within the web application and how it would affect the databases by adding files and posts to the various parts of it.




User
Login Success
Project
Advertisement
User Page
Add/edit description
Add/edit files
accept/reject applications
Close project
Add/edit advertisement
Reply/edit post
Close advertisement
Add/Edit details
Add/edit photo
Add/edit project showcase
Login to application
manage/create project
manage/create Advertisement
manage User page
remove members