Software Design Document

Job Forum Discussion

Version 1.0

Prepared by

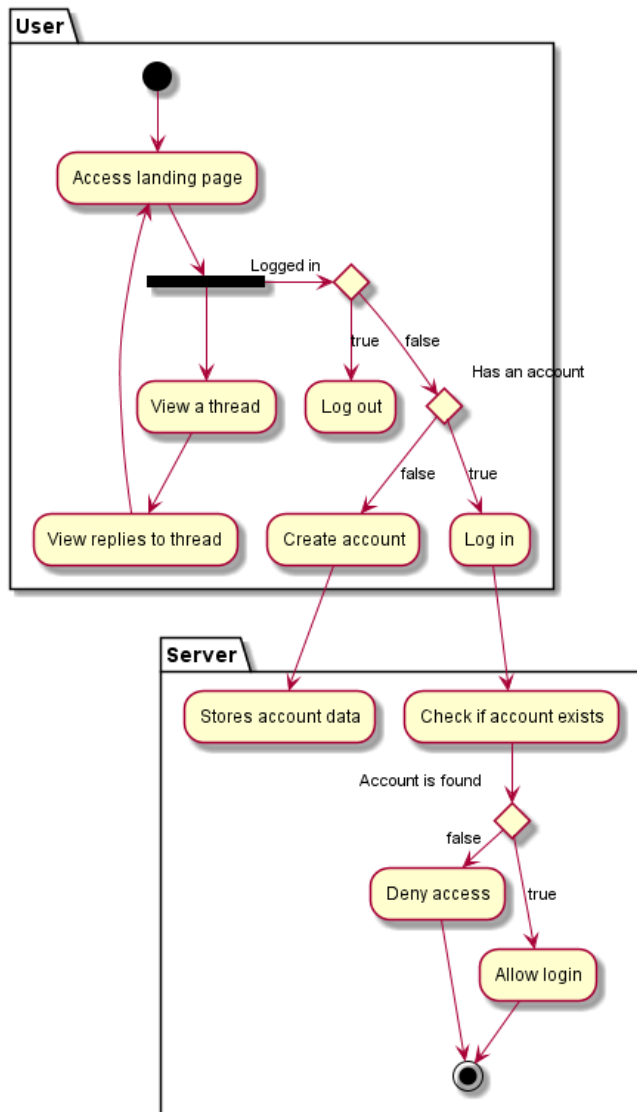|		
Lauren Scott	011638112	lauren.g.scott@wsu.edu
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1.1 Activity Diagrams

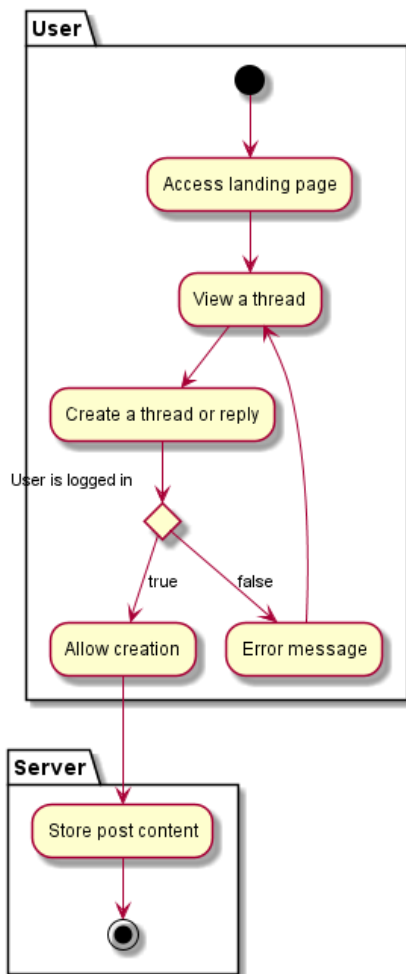*Figure 1: Use case – Account management and viewing posts*
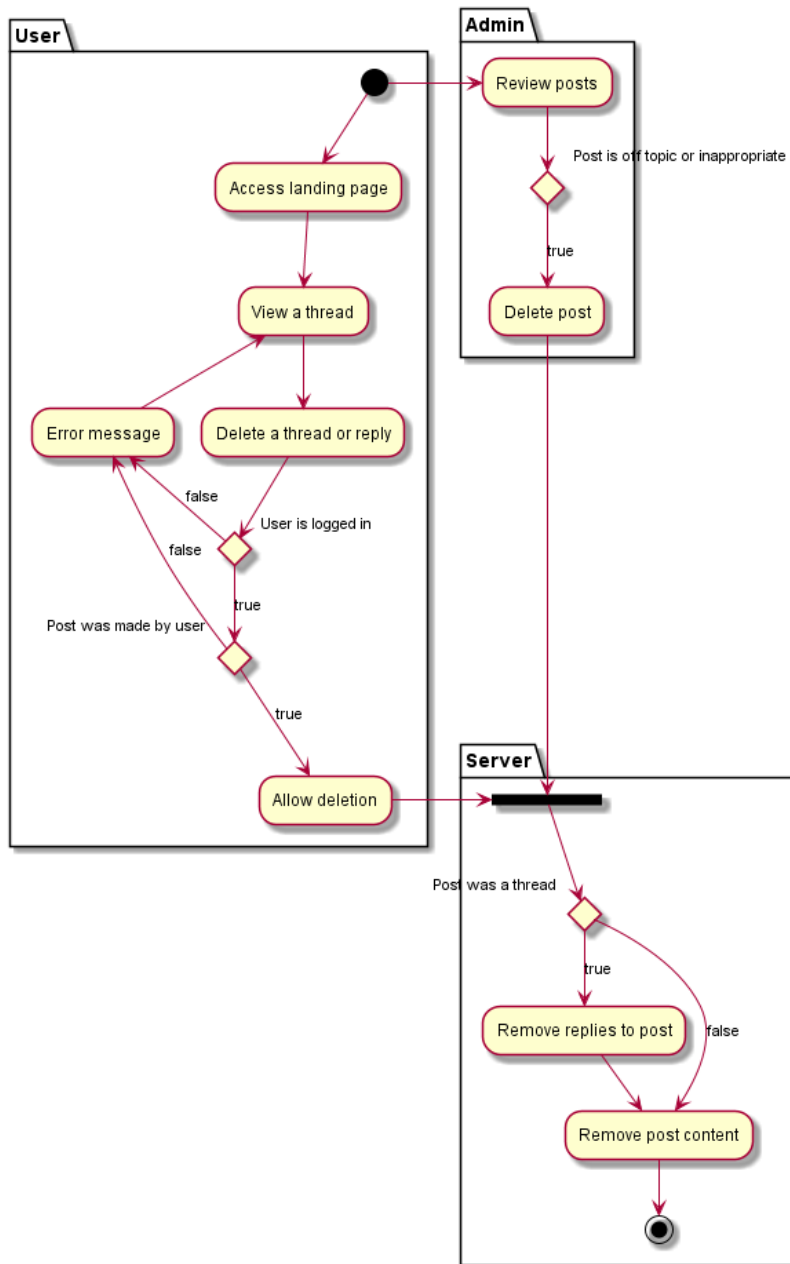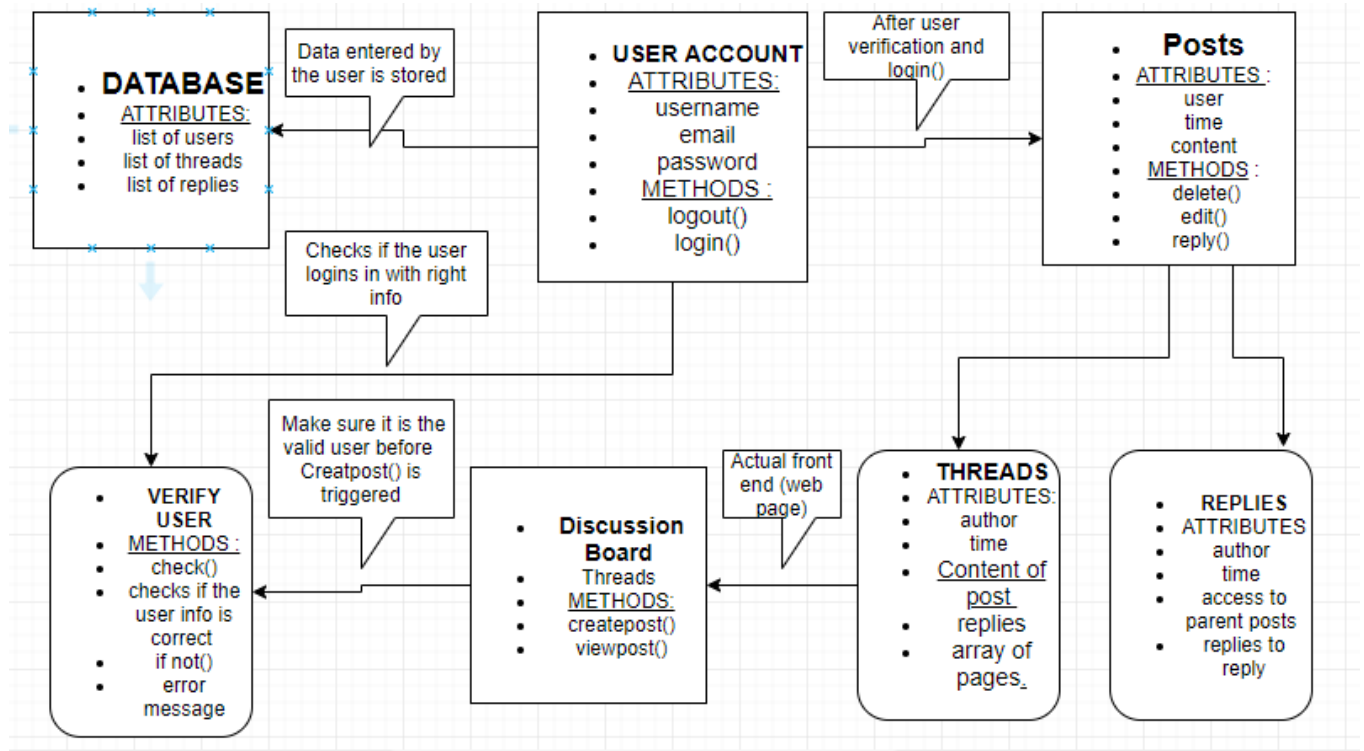
Figure 2: Use case – Post creation

Figure 3: Use case – Post deletion

1.2 Structural Modeling

DATABASE
- ATTRIBUTES:
- list of users
- list of threads
- list of replies

Data entered by the user is stored

Checks if the user logins in with right info

USER ACCOUNT
- ATTRIBUTES:
- username
- email
- password
- METHODS :
- logout()
- login()

After user verification and login()

Posts
- ATTRIBUTES :
- user
- time
- content
- METHODS :
- delete()
- edit()
- reply()

Make sure it is the valid user before Creatpost() is triggered

VERIFY USER
- METHODS :
- check()
- checks if the user info is correct
- if not()
- error message

Actual front end (web page)

Discussion Board
- Threads
- METHODS:
- createpost()
- viewpost()

THREADS
- ATTRIBUTES:
- author
- time
- Content of post
- replies
- array of pages.

REPLIES
- ATTRIBUTES
- author
- time
- access to parent posts
- replies to reply

1.3 Behavior Modeling

State Machine Representation

User attempts to post · User logs in · User cancels post

q01 · q00 · q10 · q11

Go back to main page · User logs out · User attempts to post · User confirms post

User leaves post · User Views A post · User leaves post · User Views A post · Go back to main page with new post

User logs in · User logs in · q12

User attempts to reply · User cancels reply

q03 · q02 · q13 · q14

Go back to post · User logs out · User attempts to reply · User confirms reply

Go back to post with new reply · q15

State	Description
q00 (S)	Main page but logged out.
q01	State triggers when a user tries to post but is not logged in. States purpose is to display information telling the user to login. This can be implemented as either a separate page or a popup of some sort.
q02	Triggers when a user views a post but is not logged in.
q03	Pretty much exactly the same as q01 but for trying to make a reply instead.
q10	Main page but logged in.
q11	State which allows the user to perform all actions to make a post, or stop making a post if the want to.
q12	State which triggers the actual posting to the discussion board.
q13	Triggers when a user views a post but is logged in.
q14	Same as q11 but for making a reply
q15	Same as q12 but creating sa reply relative to the current post.