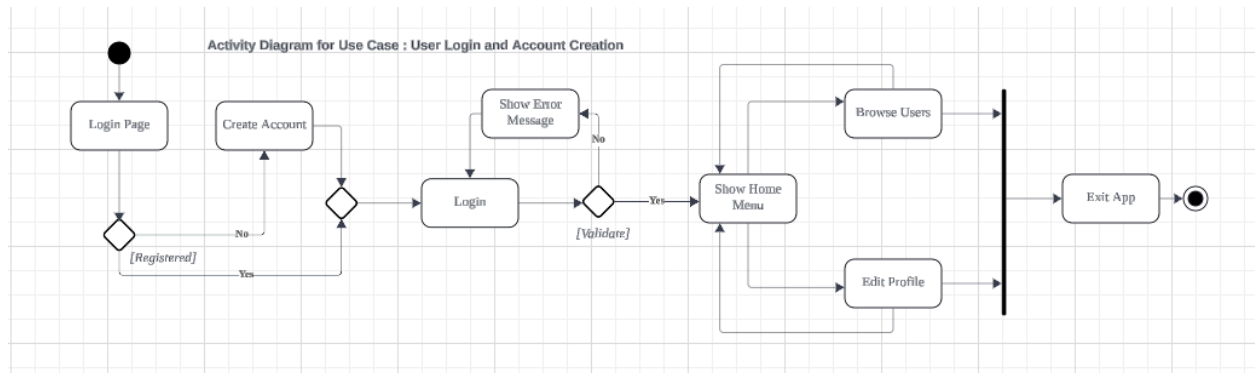


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10/14/2024
CPTS 322

Activity Diagram



The process of creating an account and logging in to the Roommate Finder app is depicted in this activity diagram. The user can either log in or create an account on the login page, which is where the procedure starts. The user is taken to the account creation process if they are not already registered. The user can log in after completing the registration process. Validation is part of the login process, and an error message is displayed if there are problems (such as incorrect credentials). The user is taken to the home menu after successfully logging in, where they can view other users or make changes to their profile. When the user chooses to close the application, the process is over. A comprehensive grasp of the user interaction flow within the application is ensured by this diagram which captures crucial decision points and activities.