

**IT313-Software Engineering (2022-2023)**  
**Lab V: Activity & Class Diagram**

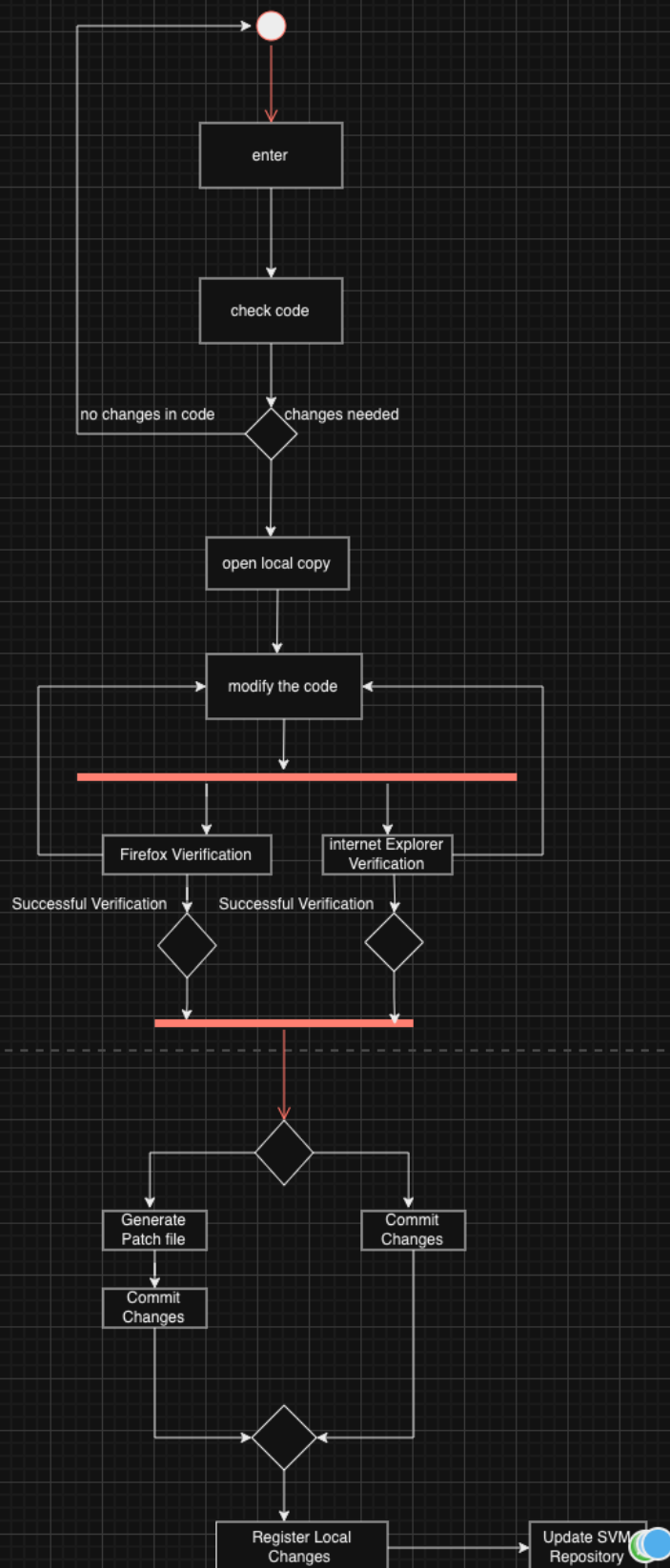
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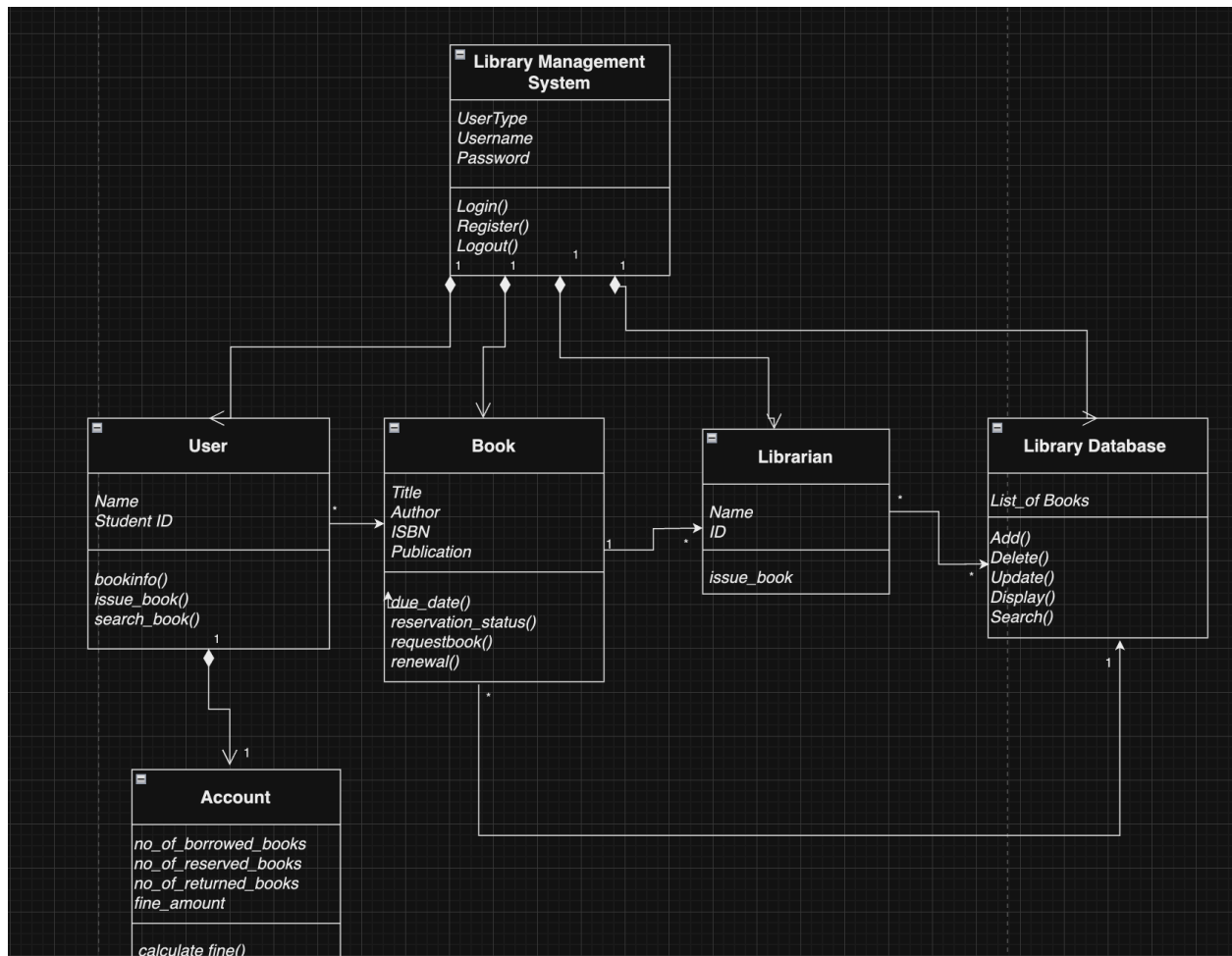
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*Exercise:*

*Draw an activity diagram to graphically represent the following workflow*

- Identifying the basic workflow:
  - Checking the code from the Subversion repository.
  - Making all the required changes in the local copy, and test using Firefox and Internet Explorer.
  - Generate the patch from the local copy, and apply the patch to the production code.
  - Commit all changes to the local copy and the SVM Repository.
  
- Activities that can be done in parallel:
  - The Firefox and Internet Explorer test can be done in parallel.
  - Parallely, we can also generate a patch and commit the changes in the local copy.
  
- Identifying the stages where progress can only be made after fulfilling certain criterion:
  - “Commit to the SVM Repository” can only be done when the testing of Firefox and Internet Explorer are successfully tested.
  - “Generate a Patch” can only be done when the local copy is modified.
  - “Commit to Local Copy” can only be done after generating a patch.





Class Diagram