IT313-Software Engineering
Lab V: Activity & Class Diagram

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Group No :- 3
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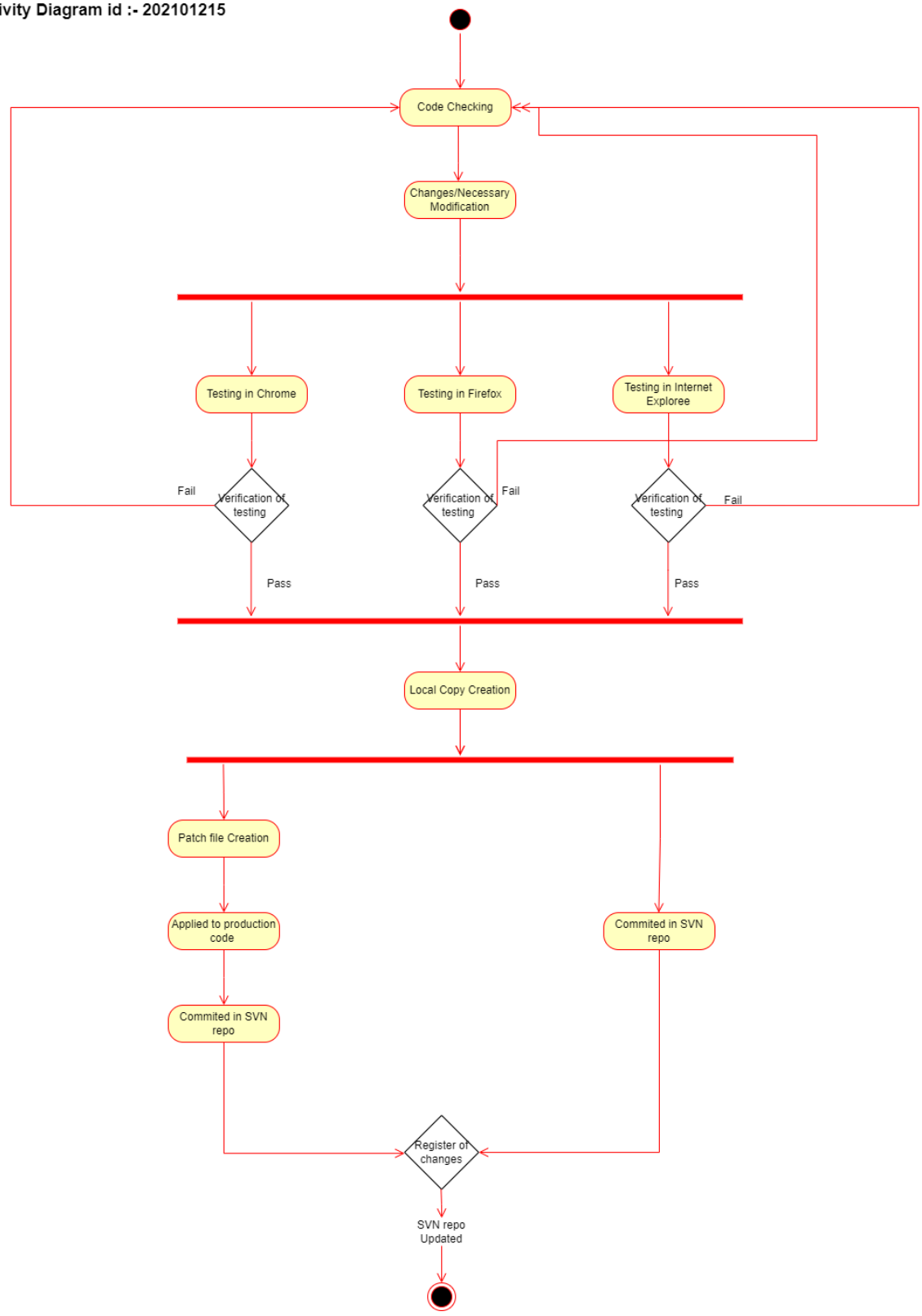
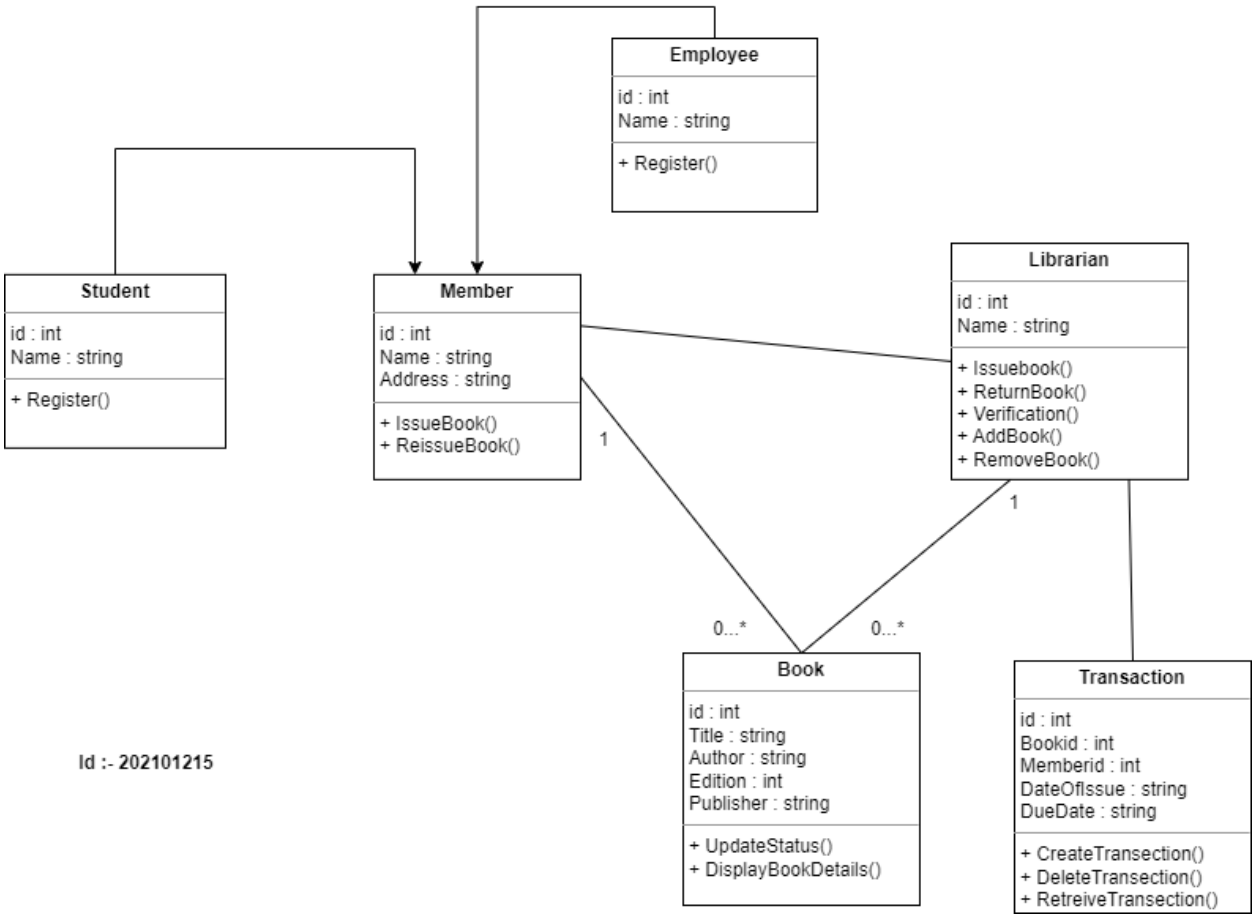
Activity Diagram:-

Activity Diagram id :- 202101215



Class Diagram:-

CLASS DIAGRAM OF ISSUE FUNCTIONALITY



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• How would you represent testing of tThe application witTh multiple browsers?

→To represent the testing of the application with multiple browsers, we need to use fork so that both actions get executed and output will be generated at same time.

• Can generation of tThe patcTh file and update tThe Subversion repository be done concurrently?

→ No first patch file will be generated first, then that patch will be applied to production code and then the Subversion repository will be updated.

• Can patcThing tThe production code and updating tThe Subversion repository be done in parallel?

→Applying Patch to Production Code: progress to this stage is possible aLer successfully generating the patch. Applying the patch to the production code completes the workflow. Committing Changes to SVN Repository: progress to this stage can only be made after the patch is applied to the production code.

Committing the changes updates the SVN repository.

Objectives :

1). Identify tThe basic units of work, and visualize tThe workflow.

→Th e process involves creating a clone of the repository, making adjustments to the local code, and then running Firefox and Internet Explorer simultaneously. If the local copy is committed and every browser passes the test, the method will execute; otherwise, after making a patch file, updating the SVN requires committing the locally copied code. repository.

2).Identify activities tThat could be done in parallel.

→Both Firefox and Internet Explorer will have their code checked concurrently.

3). Identify stages from wThere progress could be made only after a list of criteria is satisfied.

→If at least one of the two browsers (Internet Explorer and Firefox) fails the testing at the checking step, the code must be updated.

→If a patch file is not able to be created because the local copy has already been committed.