

# IT313-Software Engineering

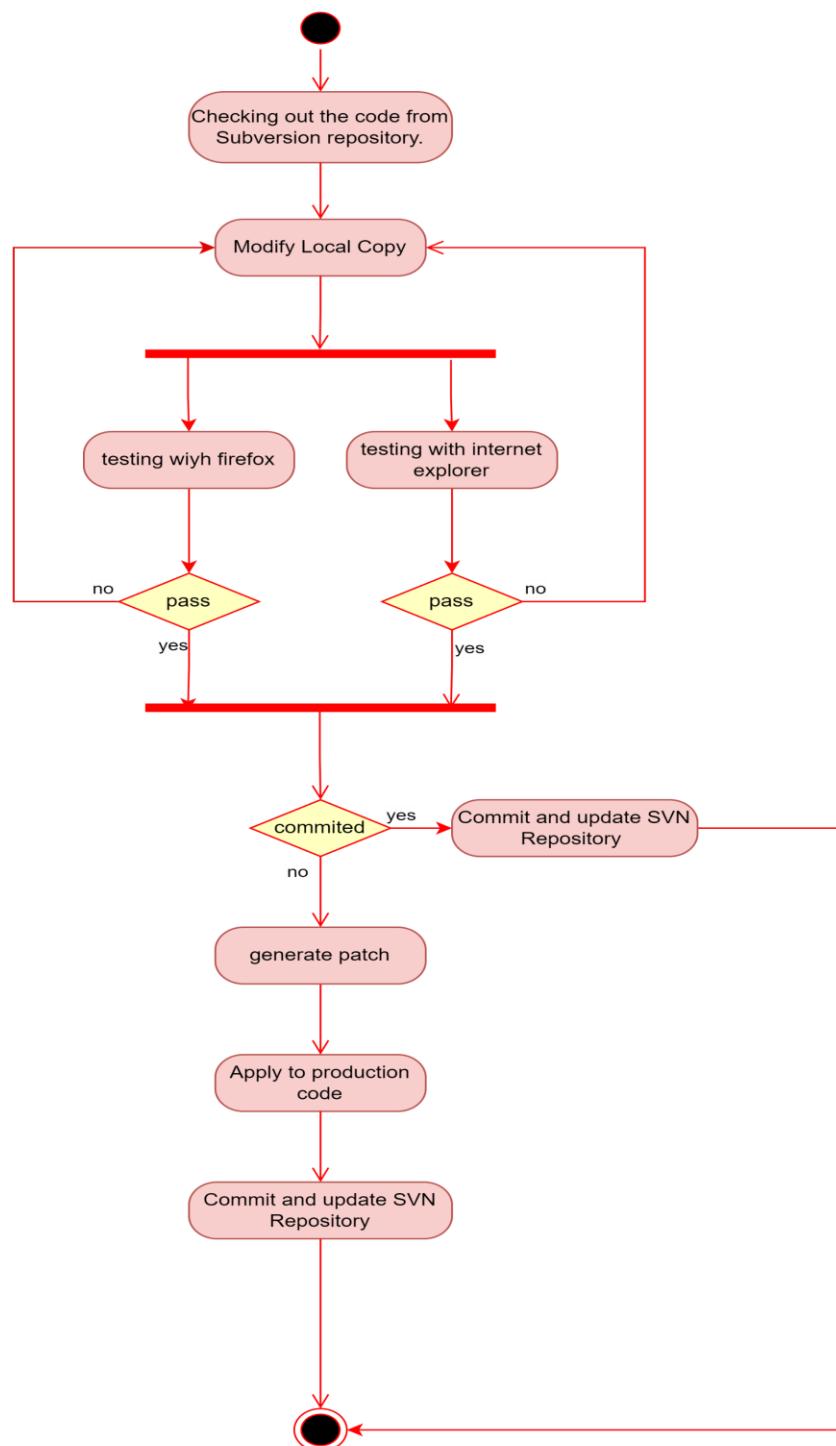
## Lab 6: Activity & Class Diagram

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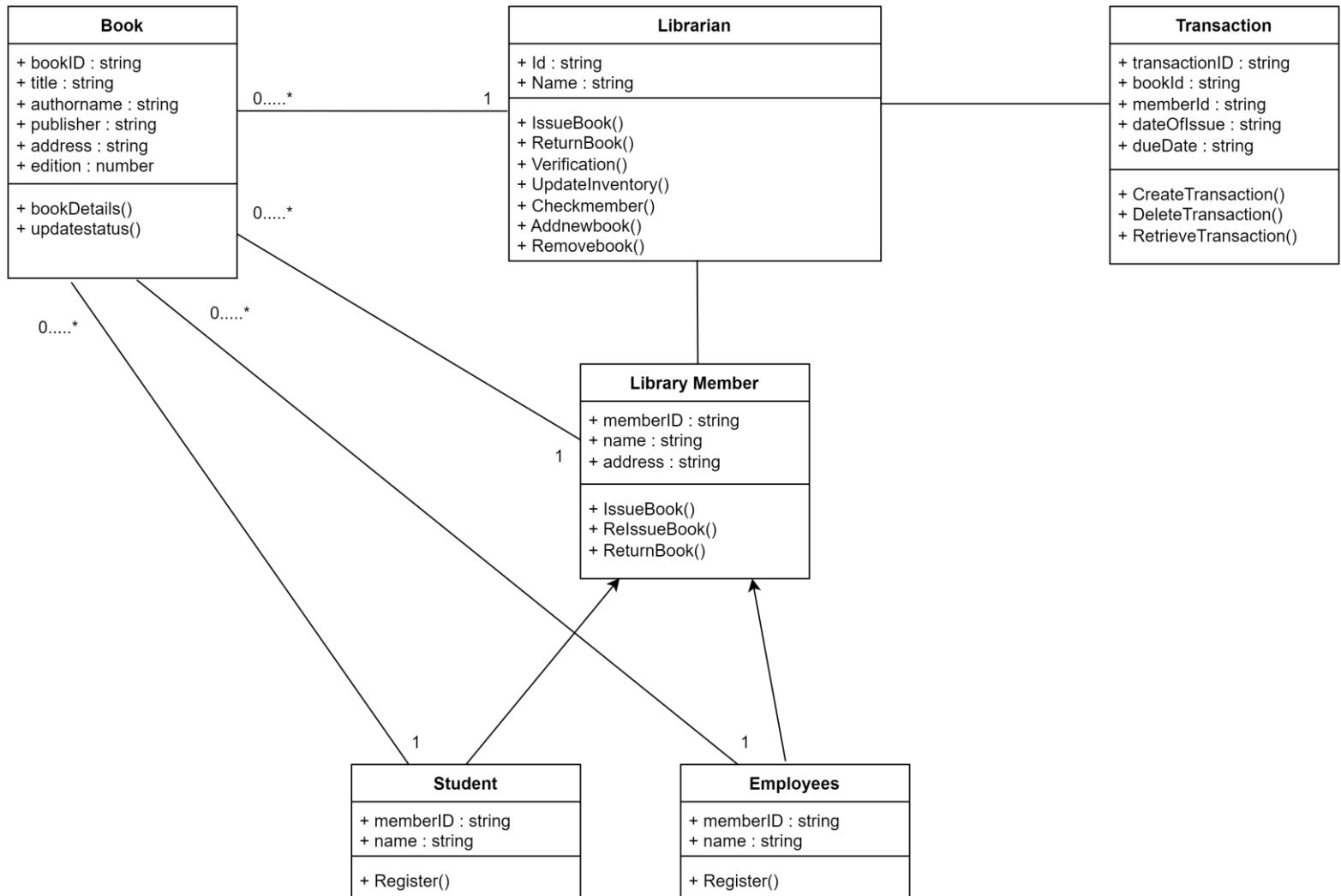
ID : 202101492

Group : 4

### Activity Diagram :



## Class Diagram :



## **Think over Questions :**

- 1.) We use fork to test the application with multiple browsers simultaneously.
- 2.) No , they can't be done Concurrently , here first the patch file will be created and applied to production code and then get updated in the subversion directory.
- 3.) Applying Patch to Production Code: After the patch has been generated successfully, you can move on to this step. The workflow is finished by applying the patch to the production code.  
Committing Changes to SVN Repository: This step can only be completed after the production code has been patched. The SVN repository is updated after the modifications are committed.

## **Learning Objectives :**

- 1.) Determine the fundamental components of work and depict the workflow. The process involves creating a clone of the repository, making adjustments to the local code, and then running Firefox and Internet Explorer simultaneously. The procedure will execute if the local copy of the code is committed and every browser passes the test; otherwise, it will produce a patch file, not commit the local copy of the code, and then update the SVN repository.
- 2.) Determine which tasks could be completed concurrently. Parallel code inspection will be performed in Firefox and Internet Explorer.
- 3.) Determine the phases from which advancement is possible only once a number of requirements are met. 1. If at least one of the two browsers (Internet Explorer and Firefox) fail the testing at the checking step, the code must be updated. 2. If a patch file is not able to be created because the local copy has already been committed.

