

IT(314)SOFTWARE ENGINEERING

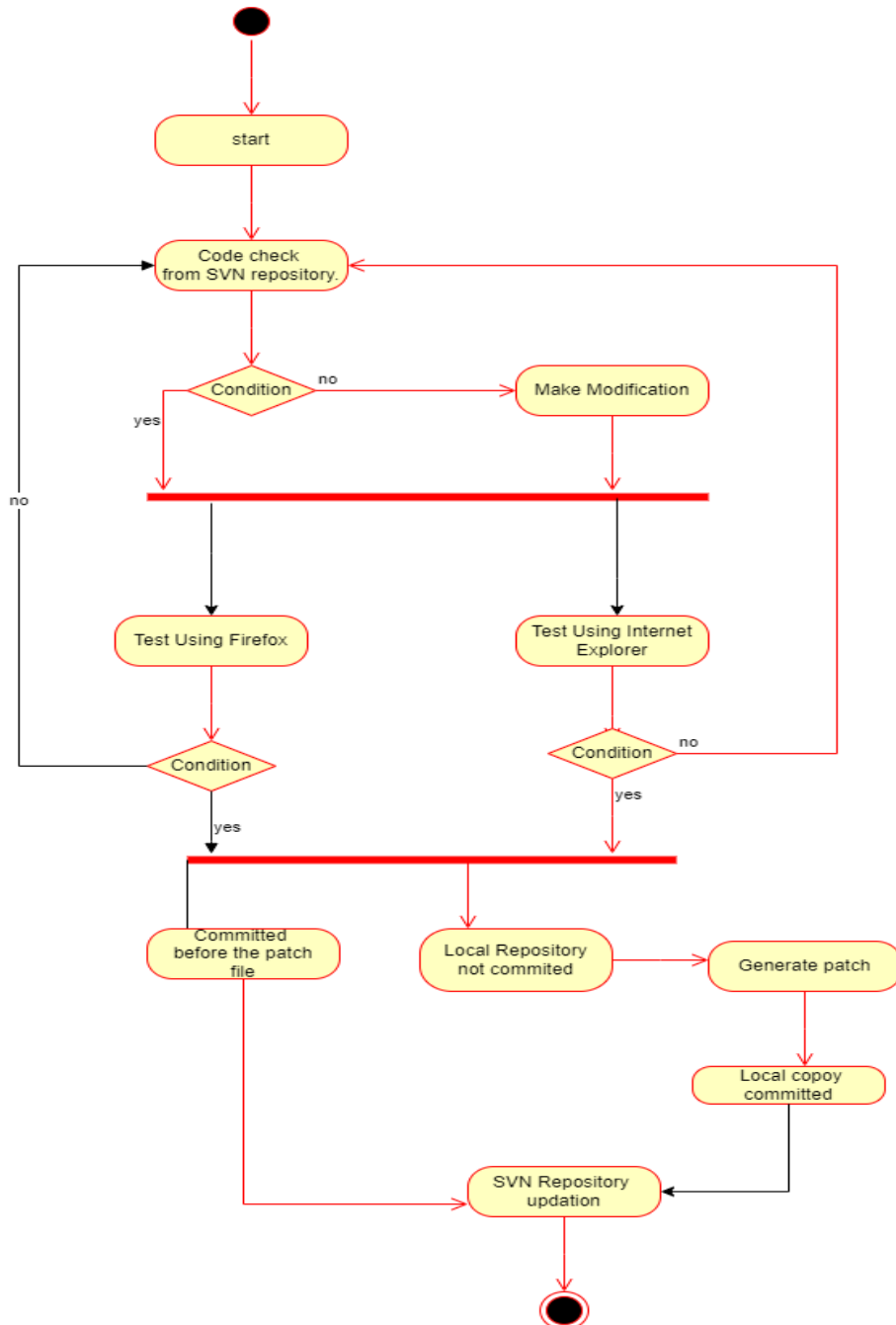
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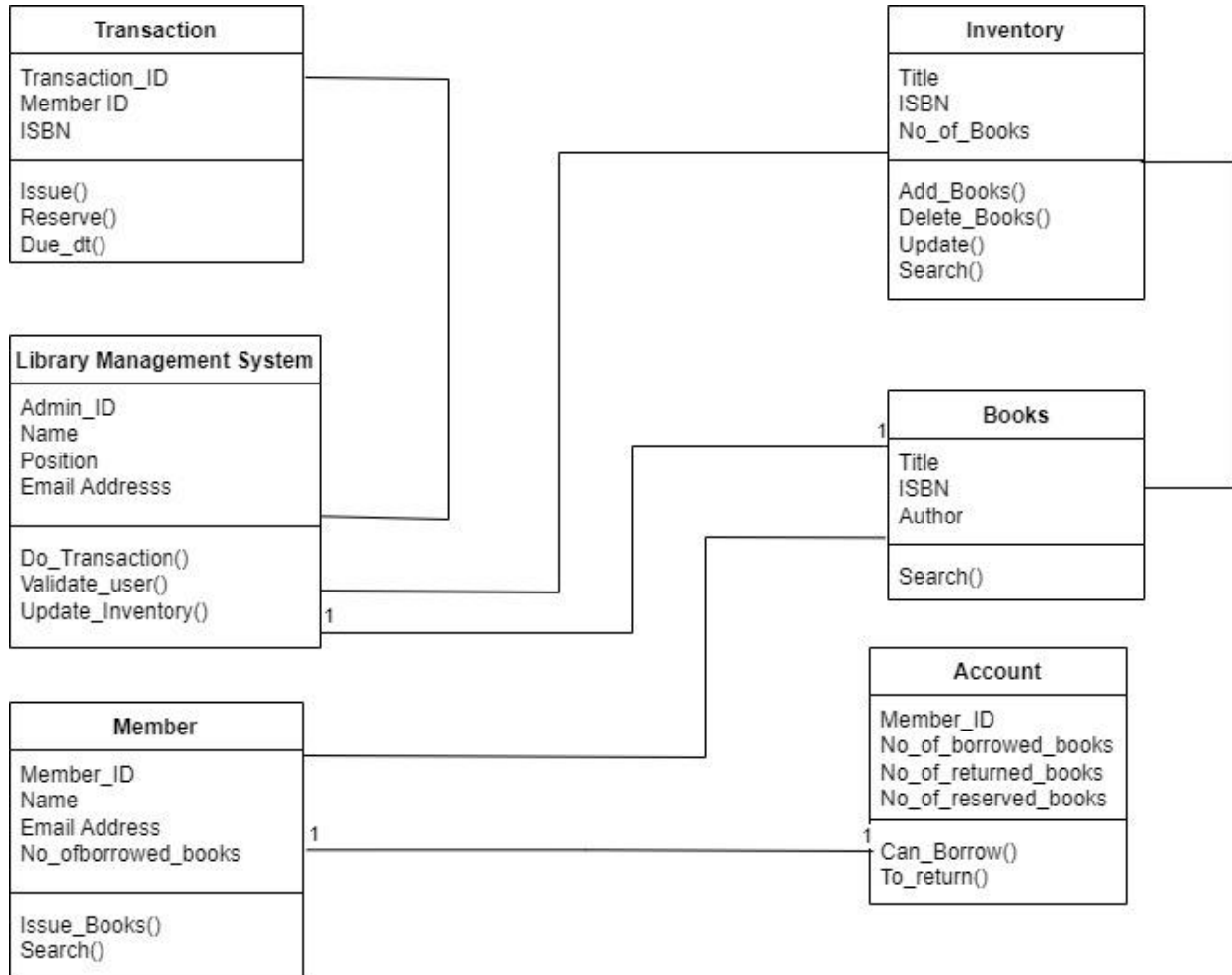
Lab No. 6

Activity Diagram:



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Class Diagram:



Think Over Question:

- To test the software across many browsers and execute operations while simultaneously producing results, we must employ forking.
- Before the fix is put into production code and the Subversion repository is updated, a first patch file won't be created.

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- Patch application to production code: After the patch has been successfully generated, this step can be completed. The workflow is finished by applying the patch to the production code. This step can only be completed after the production code has been patched. SVN repository change submission. The SVN repository is updated after the changes are committed.

Learning Objective:

- Determine the fundamental components of work and depict the workflow. Cloning the repository, updating the local code, and simultaneously opening Firefox and Internet Explorer are the steps in the procedure. The procedure will execute if every browser passes the test and the local copy of the code has been committed; otherwise, a patch file will be generated, the local copy of the code won't be committed, and the SVN repository will be updated.
- Identify activities that could be done in parallel. The code of Firefox and Internet Explorer will be examined simultaneously.
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- Determine the phases from which advancement is possible only once a number of requirements are met.
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- The code must be changed if at least one of the two browsers (Internet Explorer and Firefox) fails the testing at the checking step.
- If the local copy is committed before creating a patch file, in which case the patch file cannot be created.