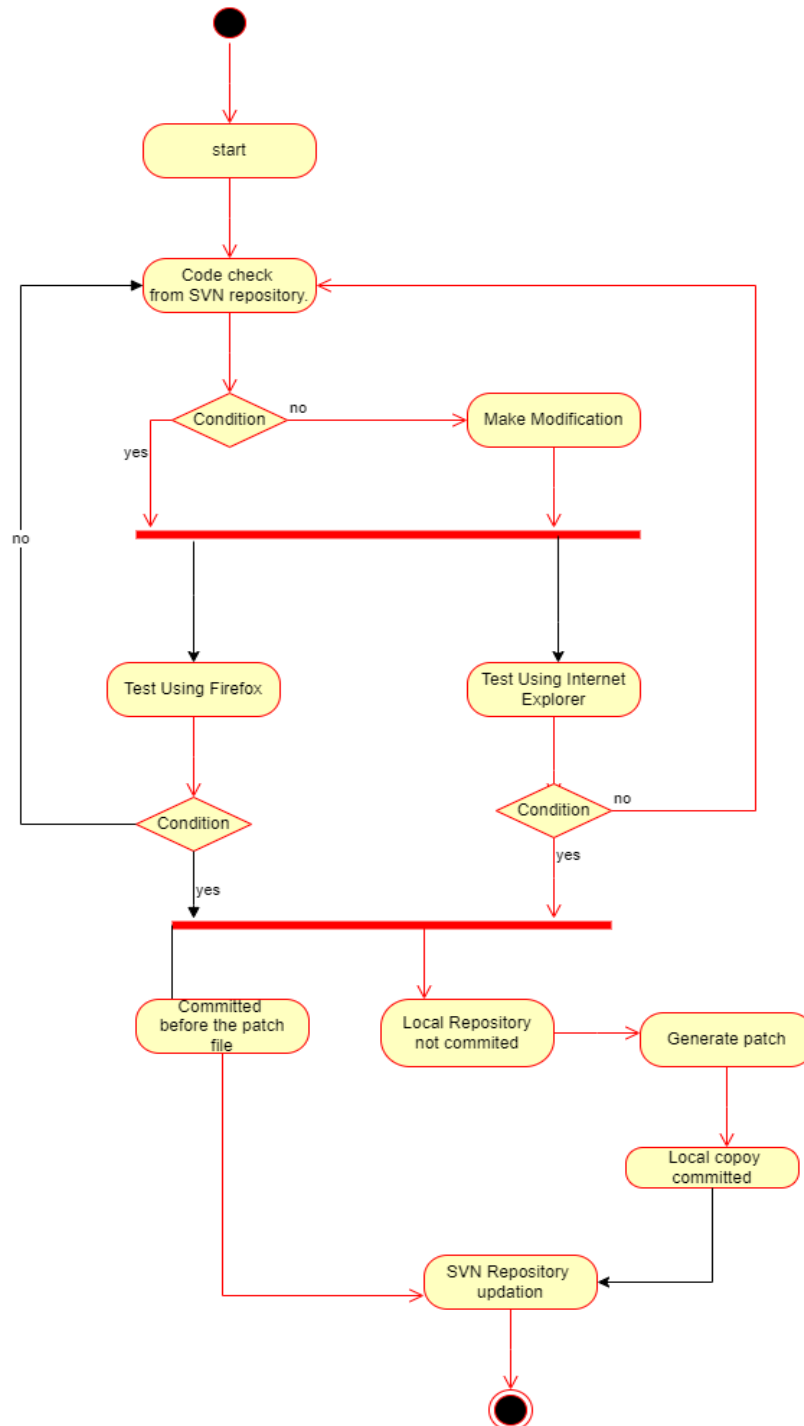


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Activity Diagram:



Think Over Question:

- 1) We must use forking to symbolise testing the programme across several browsers in order for both actions to be accomplished and output to be created simultaneously.
- 2) A first patch file won't be produced until the patch has been integrated into production code and the Subversion repository has been updated
- 3) Applying Patch to Production Code: This step can be done when the patch has been successfully generated. Applying the patch to the production code completes the workflow. After the production code has been patched, this phase can only be finished. Committing Changes to SVN Repository. After the adjustments are committed, the SVN repository is updated.

Learning Objective:

- 1) Identify the basic units of work, and visualize the workflow.
The procedure is cloning the repository, modifying the local code, and then simultaneously launching Firefox and Internet Explorer. If the local copy of the code is committed and every browser passes the test, the procedure will run; if not, a patch file will be created, the local copy of the code won't be committed, and the SVN repository will be updated.
- 2) Identify activities that could be done in parallel. The code of Firefox and Internet Explorer will be examined simultaneously.
- 3) Identify stages from where progress could be made only after a list of criteria is satisfied.
 1. The code must be changed if at least one of the two browsers (Internet Explorer and Firefox) fails the testing at the checking step.
 2. If the local copy is committed before creating a patch file, in which case the patch file cannot be created.

Class Diagram: