

IT 314 Software Engineering Lab - 6

Name : Dev Hingu

St. Id : 202101244

Think over the following questions:

- **How would you represent testing of the application with multiple browsers?**

Testing of the application with multiple browsers will be done using fork so that both actions get executed and output will be generated at the same time.

- **Can generation of the patch file and update the Subversion repository be done Concurrently?**

No , patch file generation will be done before update the subversion repository.

- **Can patching the production code and updating the Subversion repository be done in parallel?**

Patching the production code will be done after the generating of the patch file and updating the subversion repository can be done after the generation of the patch file, so we can say that both can be done parallel after generating the patch file.

Learning Objectives:

- **Identify the basic units of work, and visualize the workflow**

First, a copy of the repository is built and then changes are made to the local copy and then it is tested concurrently in firefox and internet explorer. Only when both the browsers pass the test, and if the local copy is committed, if not, then it will create a patch file, and commit the copy of the code and then update the SVN repository.

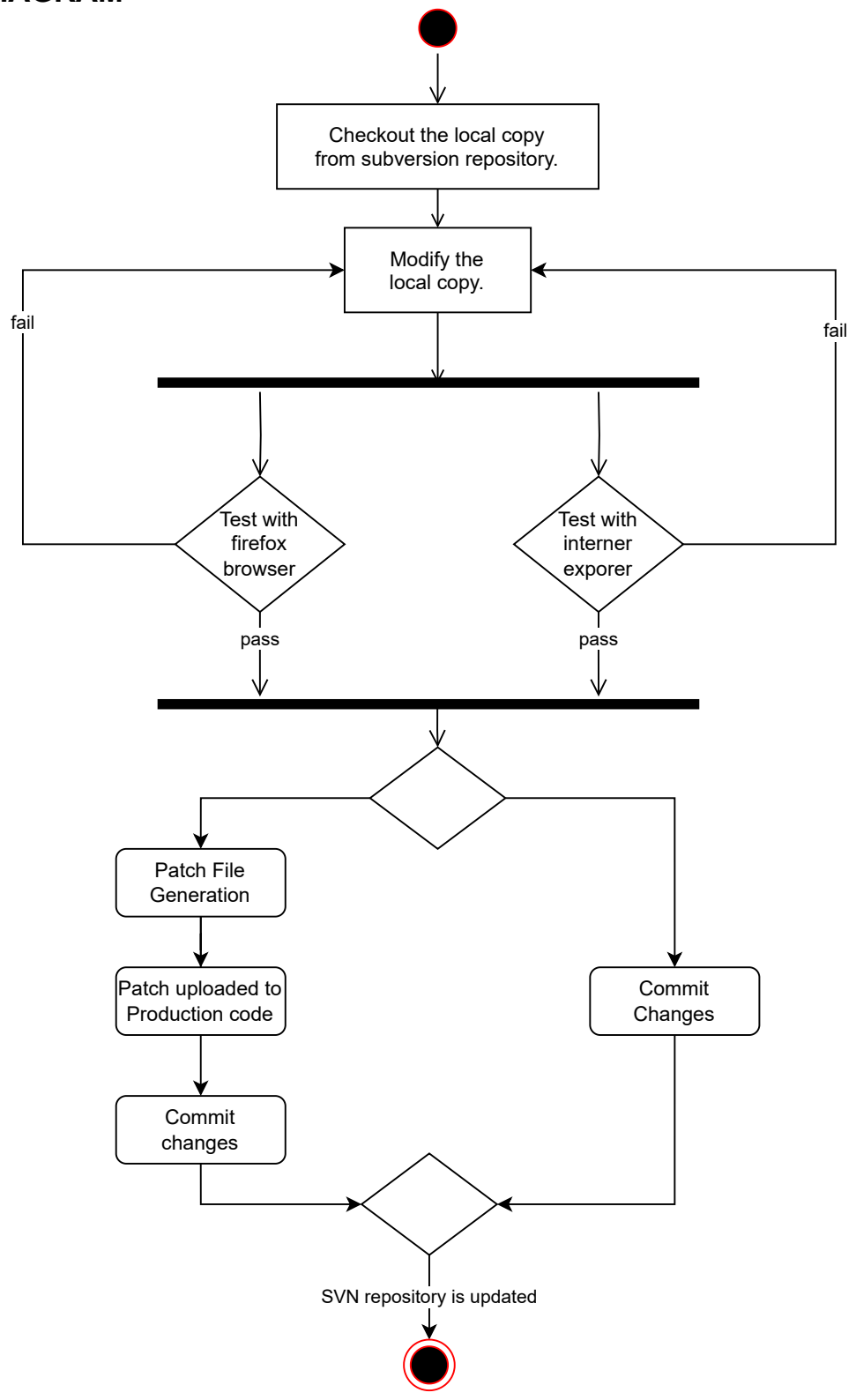
- **Identify activities that could be done in parallel**

testing of the code in both browsers will be done in parallel.

- **Identify stages from where progress could be made only after a list of criteria is Satisfied**

In the stage of testing in browsers where progress will be made only after both browsers pass the test and if file is committed, if not then a new patch file is created and then applied to production code and SVN repository is updated.

ACTIVITY DIAGRAM



CLASS DIAGRAM OF ISSUE FUNCTIONALITY

