

IT-314(Lab – 6)

Software Engineering

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Group No : 4

Questions:

- We need to utilize a fork to ensure that both actions are completed and output is produced simultaneously in order to mimic testing the application across many browsers.
- No initial patch file will be created, followed by its application to the production code and updating of the Subversion repository.
- Applying Patch to Production Code: After the patch has been generated successfully, you may go on to this step. The procedure 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 once the modifications are committed.

Learning Objectives:

- **Identify the basic units of work, and visualize 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 process 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.

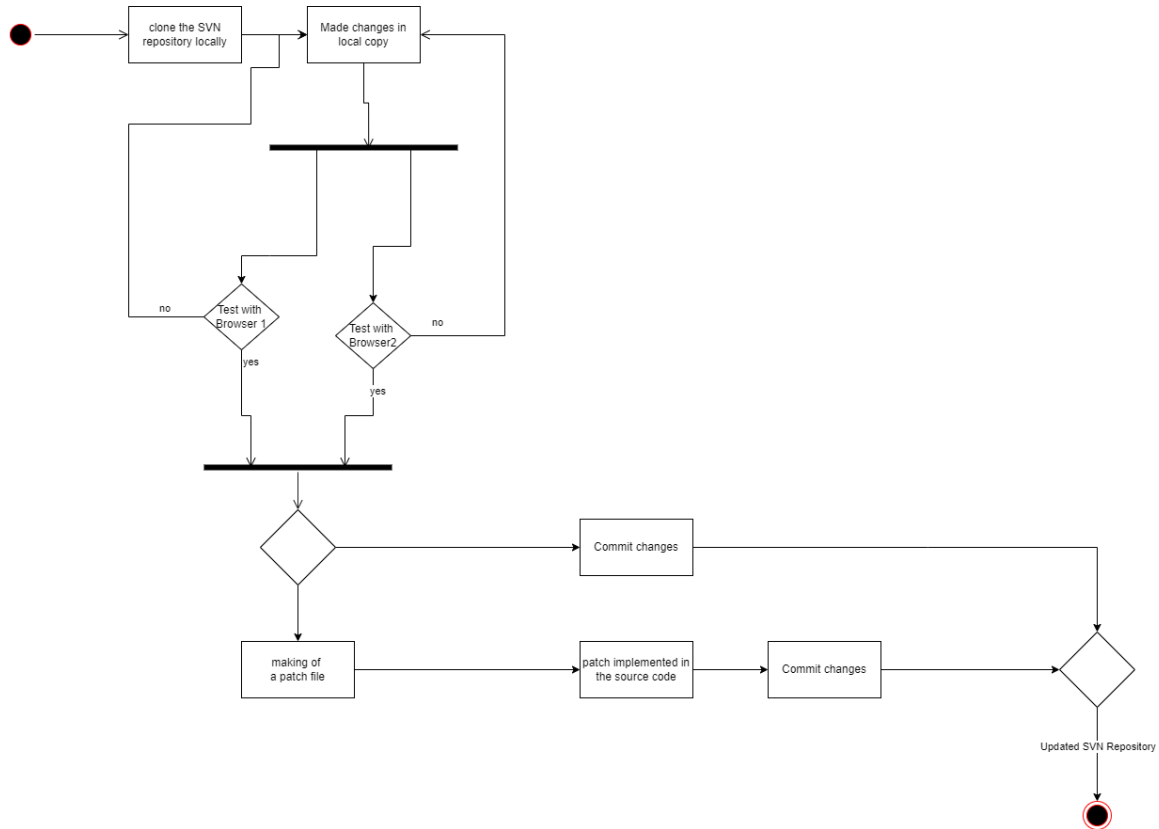
- **Identify activities that could be done in parallel.**

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

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

If at least one of the two browsers (Internet Explorer and Firefox) fails the testing at the checking phase, the code must be updated. If a patch file isn't able to be produced since the local copy has already been committed.

Activity Diagram:



Class Diagram:

