

COURSE : IT314 SOFTWARE
ENGINEERING

NAME : Swet Lakhani

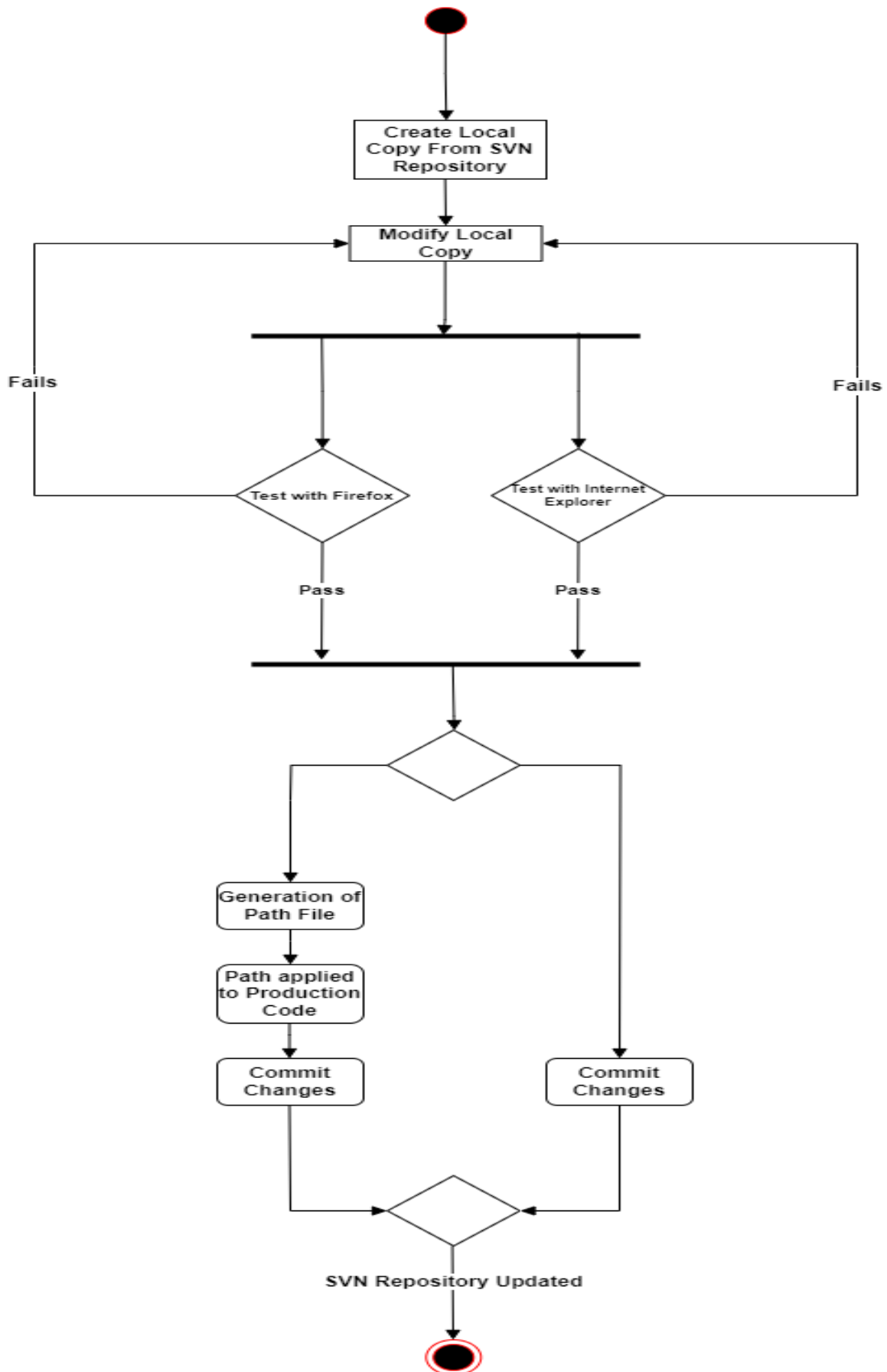
ID : 202101218

GROUP NO. : 03

Lab VI : Activity & Class Diagram

Github ID : Swet218

I. Activity Diagram :-



Think over the following questions:

1. How would you represent testing of the application with multiple browsers?

Ans : To represent the testing of the application with multiple browsers, we need to use a **fork** so that both actions get executed and output will be generated at the same time.

2. Can generation Of the patch file and update the Subversion repository be done concurrently?

Ans : No, the patch file will be created first, after which the production code will be patched, and finally the Subversion repository will be updated.

3. Can patching the production code and updating the Subversion repository be done in parallel?

Ans : Applying the Patch to Production Code: This step may be done when the patch has been properly created. Applying the change to the production code completes the process. After the production code has been patched, this phase can only be finished. Committing Changes to SVN Repository. Once the changes are committed, the SVN repository is updated. Learning Objectives:

Learning Objectives:

1. Identify the basic units of work, and visualize the work flow

Ans : The process involves creating a copy 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, commit the local copy of the code, and then update the SVN repository.

2. Identify activities that could be done in parallel.

Ans : The checking of Code in Both Browsers will be done parallelly.

3. Identify stages from where progress could be made only after a list of criteria is satisfied.

Ans : The Code must be changed if atleast one of the two browsers fails the testing at the checking step. If the local copy is committed before creating a patch file, in which case the patch file can't be created.

II. Class Diagram for Issue Functionality :-

