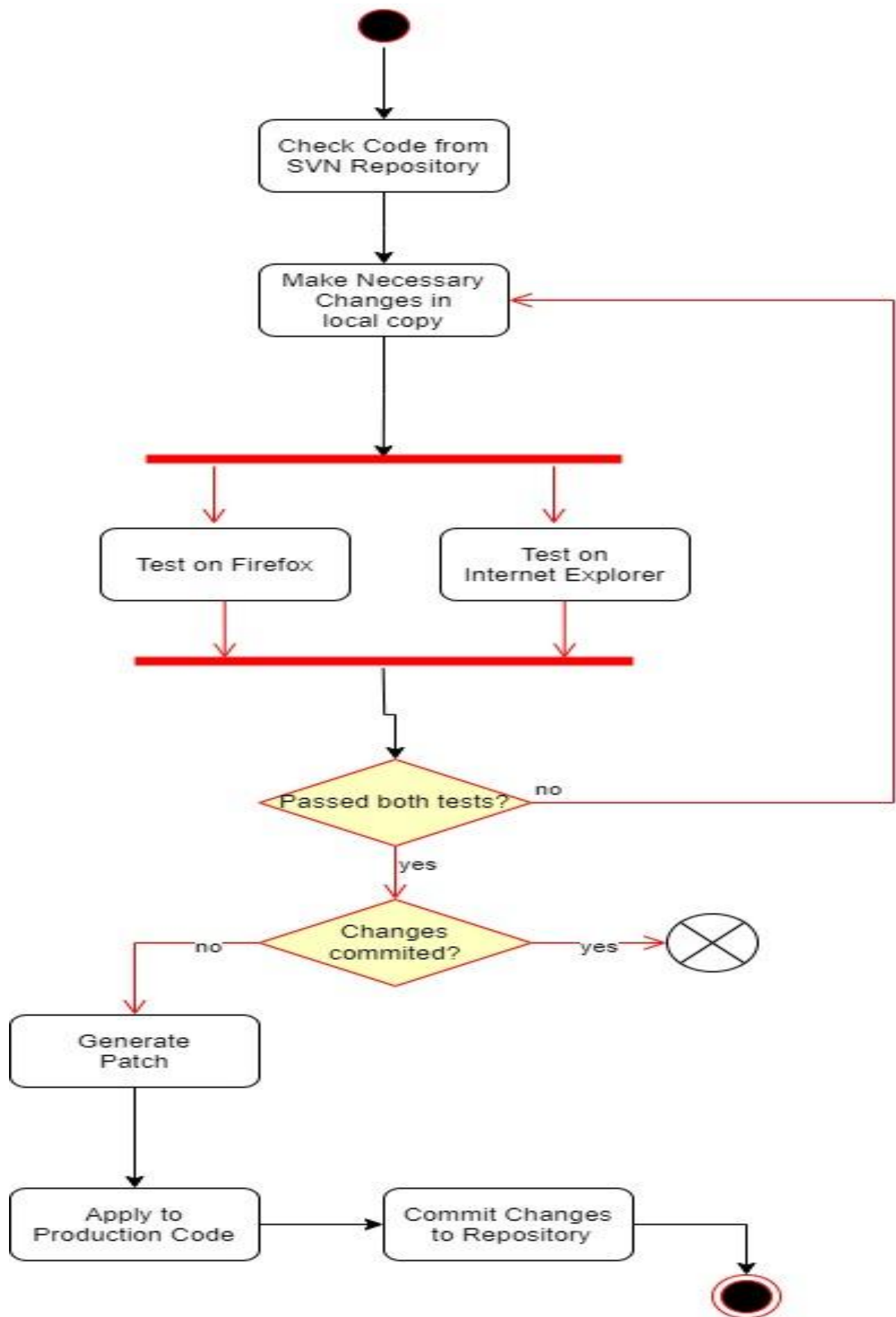


Name: Dhruv Shah
Student ID: 202101208
Subject: IT314
Group: 3

Lab 6

Activity Diagram



Questions

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

The testing with multiple browsers can happen parallelly so it would be represented using fork.

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

No, you would have to generate the patch file first, and it would be applied to the production code, and subsequently, the Subversion repository will be updated.

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

No, for patching the production code, you first need to generate the patch file. Updates in the repository can only be made once the patch is applied to the production code.

Learning Objectives

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

We begin by checking the code of the repository. After that, we make the changes in the local copy. Once the changes are made, the testing is done parallel on two browsers (Firefox and Internet Explorer). After that, if the local copy isn't committed, a patch file is generated, which is then applied to the production code, and at last, changes are made to the repository.

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

The testing of the code on both browsers could be done parallelly.

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

- a) If, during the test phase, both tests pass, we will proceed, else the developer will have to make changes again.
- b) If, after successful testing, the local copy is committed, we will not be able to generate a patch file.

Class Diagram

