

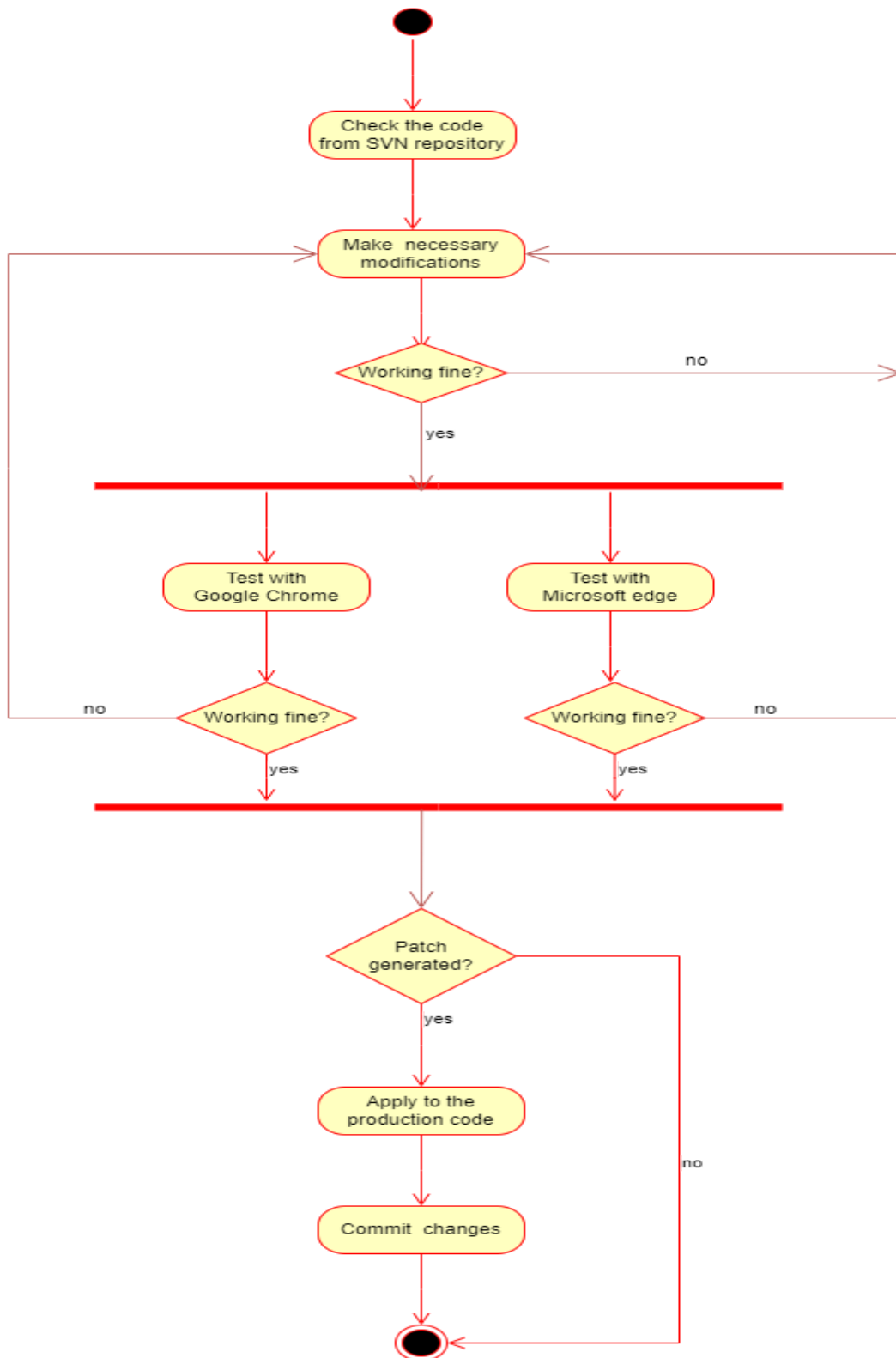
IT314 Software Engineering

Lab V: Activity & Class Diagram

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Grp: 3



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 would be using fork so the output will be generated only after successful testing with both browsers.

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

Ans: No, first the patch file would be generated, then applied to the production code, and then the Subversion repository will be updated.

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

Ans: No, first the production code is patched and then the Subversion repository is updated.

Learning Objectives:

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

Ans: Firstly, a copy of the repository is created and then the necessary changes are made to the local copy, and the code is tested parallelly with two browsers. If, everything works fine, a patch file is generated and applied to the production code. Then after, the SVN repository is updated. If, the patch file is not generated, then the process comes to an end.

2. Identify activities that could be done in parallel

Ans: The testing of code with both browsers, Google Chrome and Microsoft Edge could be done in parallel.

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

Ans:

- If the code runs fine with both browsers, only thereafter the patch file is generated. Otherwise, the code needs to be modified in order to make it run fine with both browsers.
- If the code runs fine with both browsers, only then the patch file is generated, applied to the production code, and the repository is updated. If, the patch file is not generated the repository cannot be updated and the process comes to an end.

Class Diagram (Book Issue sprint):

