

## IT-314 Software Engineering

### Lab 6: Activity & Class Diagram

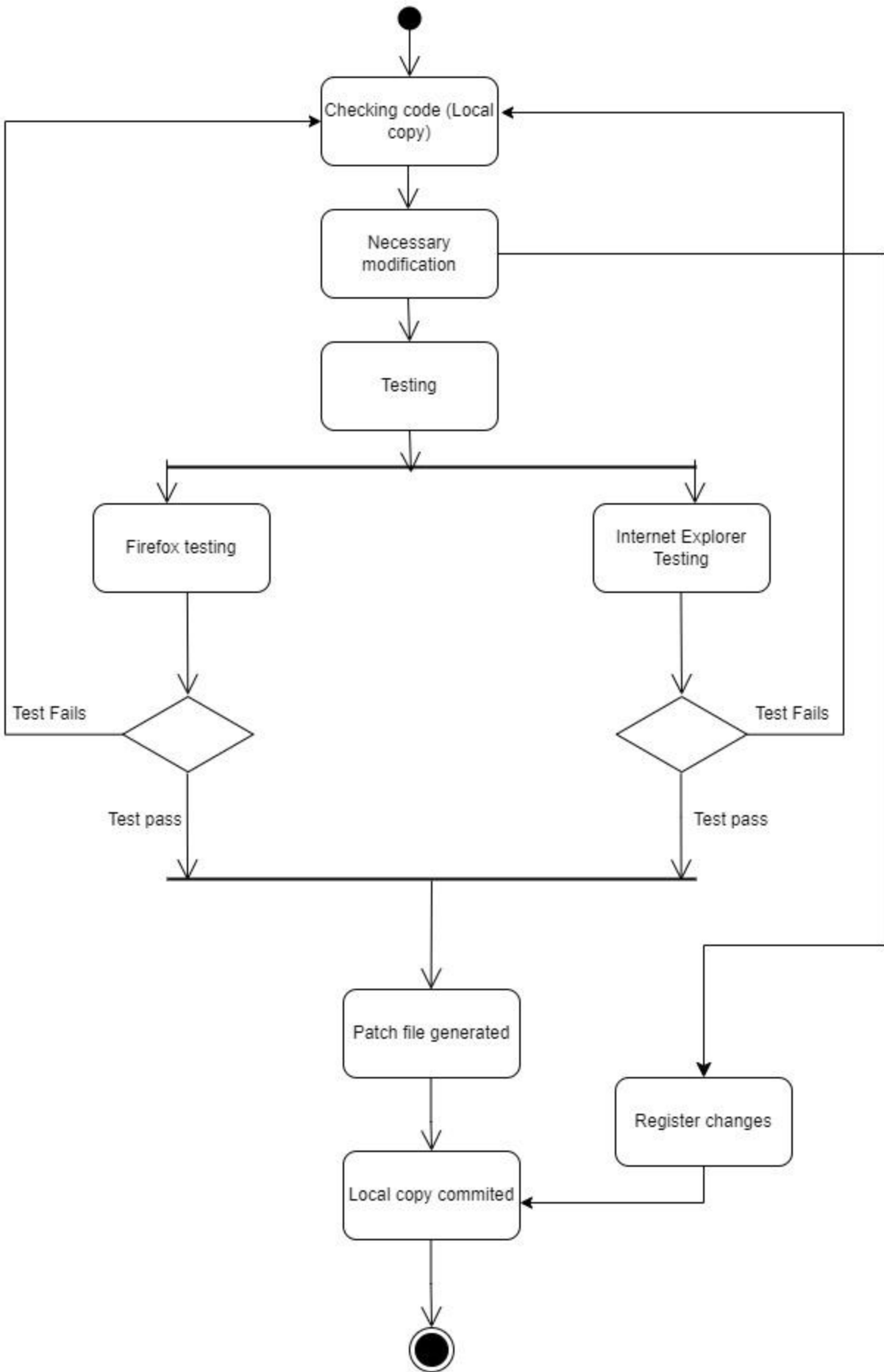
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Exercise:

Draw an activity diagram to graphically represent the workflow



### **Think over the following questions:**

- How would you represent testing of the application with multiple browsers?  
→ We will use fork to represent testing of the application so that we can do testing simultaneously on both browsers.
- Can generation of the patch file and update the Subversion repository be done concurrently?  
→ No, first patch file is generated and then patch will be applied to production code and then Subversion repository will be updated.
- Can patching the production code and updating the Subversion repository be done in parallel?  
→ No, first patching will be done and then update in Subversion repository will be done.

### **Learning Objectives:**

- Identify the basic units of work, and visualize the work flow  
→ basic units of work:
  - Checking out the code(local copy)
  - Do modifications in local copy
  - Testing on 2 browsers
  - Generating patch file
  - Commit changes
  - Update the SVN repository
- Identify activities that could be done in parallel  
→ The checking of code in both browsers (Firefox and Internet Explorer) could be done parallelly.

- Identify stages from where progress could be made only after a list of criteria is satisfied
- At checking stage, if at least one of the two browsers (Firefox and Internet Explorer) fails in testing, the code must need some changes.
- Patch file will be only generated after successful testing on both browsers.

## I. Class diagram

Draw class diagram for any one of the sprints by identifying objects, classes and their relationships.

