# Software Quality and Testing Computer Lab 3

## Programming Assignment – String Calculator

## Instructions:
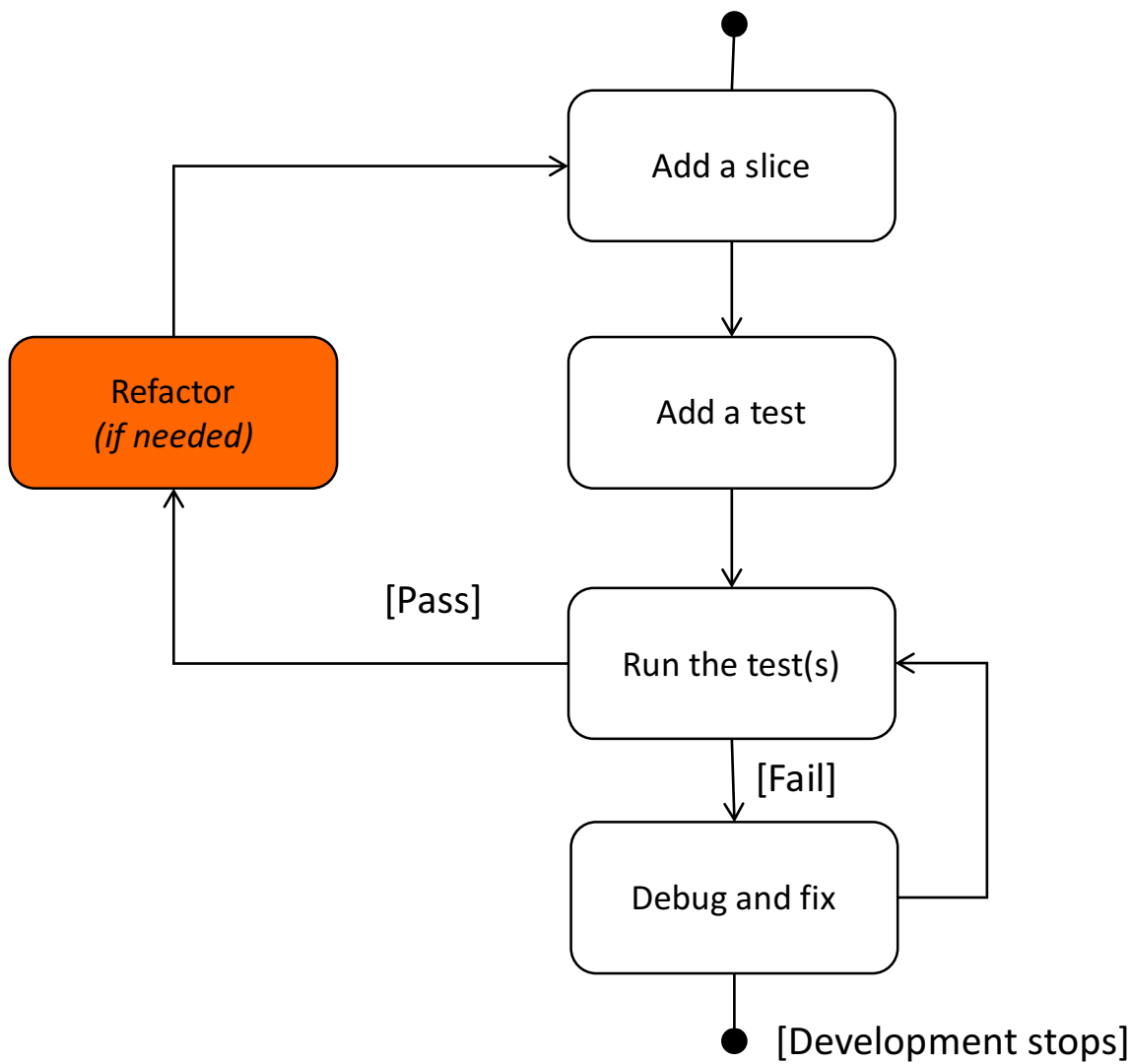
Follow these instructions carefully step by step.

**Get the assignment files:**

- Locate the repository: Go to https://github.com/SQATLab2016/StringCalculator
- Create a fork of this repository
- Import into Eclipse
    - In Eclipse: Select File > Import
    - In Import Window: Select Git > Projects from Git
    - In Import Projects from Git Window: Select Clone URI
    - In the next window:
        - URI: paste the URL for your repository The URL of your repo is available at your repository's web page on Github under HTTPS clone URL on the right-hand side of the page. Link should be https://github.com/[YourGithubaccountName]/StringCalculator.git
        - In the Branch Selection window select master branch
        - Proceed with the default options
    - Open StringCalculator.java file

**Open Besouro Plugin:**

- In Eclipse: Select Window > Show View > Other
- In Show View Dialog: Select Other > episodeView
- In episodeView Window: Click green play button to start recording

*Figure 1Iterative Test-last Development*

**Implementation**

- Implement the task according to the requirements described in task description following **Iterative Test-last Development** methodology.
    - o  Focus on slicing the requirements into small user-stories and implement a user-story in each cycle.
    - o  Write unit tests immediately after you complete a user-story

**Submit your work**

- In episodeView window> Click red stop button to stop recording
- Commit and Push:
    - o  In Eclipse: Right-click project in the package explorer. Then Select **Team > Commit**

- o Write "Project Finished" in commit message textbox
- o In Commit Changes window click **Commit and Push**
- o On your Github repository page check the status to verify that it is up to date with your local copy
- o On your Github repository page check last commit message is "assignment finished"
-  Create Pull Request
  - o On your Github repository page create a pull request
    - ▪ Click New Pull Request button located above the listing of repository files

NOTE:

If you encounter an error "There are no staged files" during commit, select all the files in *Unstaged changes* area and move them to *Staged area* in commit window.

You can disable staging view:

-  Open Window > Preferences
-  In preferences window open Team>Git>Commiting
-  Uncheck "Use staging view …"