Software Quality and Testing Computer Lab 3

Programming Assignment – String Calculator

Instructions:
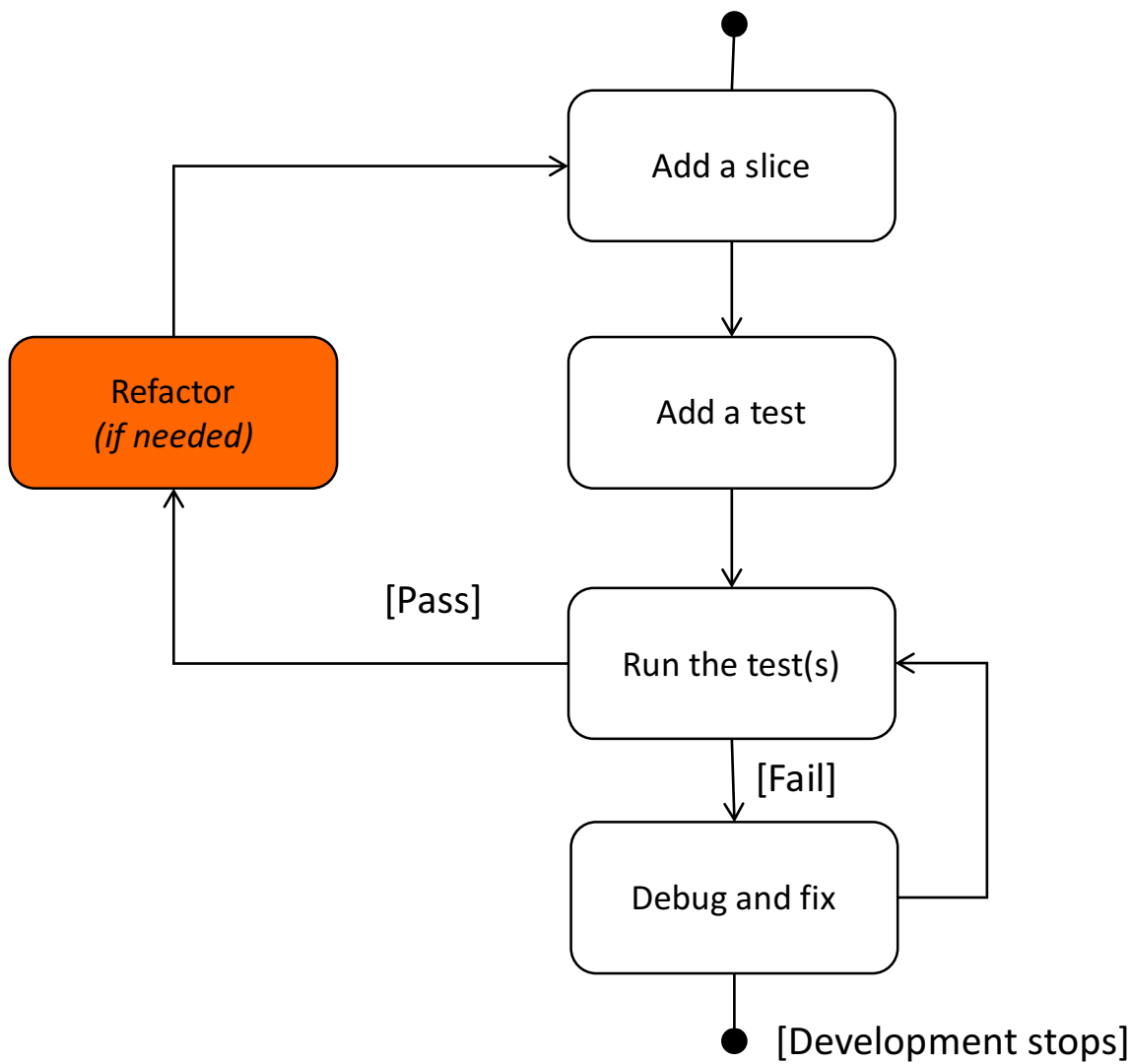Follow these instructions carefully step by step.

Get the assignment files:

- 🍎 Locate the repository: Go to https://github.com/M3SOulu/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**

- Write "Project Finished" in commit message textbox
- In Commit Changes window click **Commit and Push**
- On your Github repository page check the status to verify that it is up to date with your local copy
- On your Github repository page check last commit message is "assignment finished"
- Create Pull Request
  - 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 …"