Software Quality and Testing Computer Lab 2

Programming Assignment

In this assignment you will implement a verifier for Sudoku game. The task description and the link to Github respository is available on SQAT Lab web page.
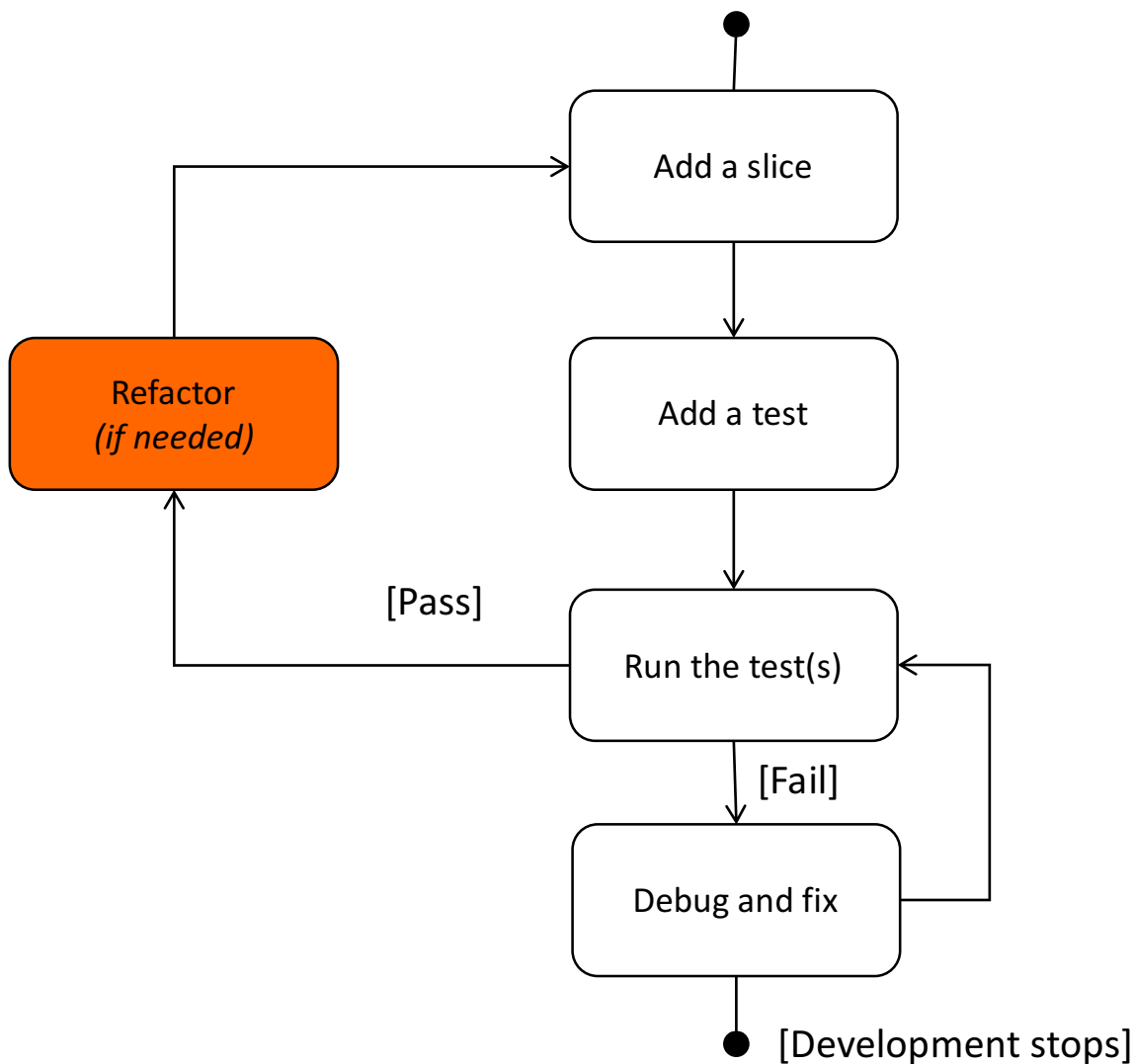
Instructions:

Follow these instructions carefully step by step.

Get the assignment files:

Locate the repository: Go to https://github.com/M3SOulu/SQAT_SudokuVerifier
Create a fork of this repository
Import into Eclipse
- o In Eclipse: Select File > Import
- o In Import Window: Select Git > Projects from Git
- o In Import Projects from Git Window: Select Clone URI
- o 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]/SQAT_SudokuVerifier.git
  - ▪ In the Branch Selection window select master branch
  - ▪ Proceed with the default options
- o Open SudokuVerifier.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

Add a slice

Refactor
(if needed)

Add a test

[Pass]

Run the test(s)

[Fail]

Debug and fix

[Development stops]

Implementation

Implement the task according to the requirements described in task description following **Iterative Test-last Development** methodology. Focus on slicing the requirements into small user-stories and implement a user-story in each cycle. Try to 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**

- 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 …"