## EECS3311 Fall 2019

# Labs 3 & 4, Project

# Required Pre-Study Materials Using ETF (the Eiffel Testing Framework)

#### Jackie Wang

RECOMMENDED DUE DATE FOR SECTIONS A & E: FRIDAY, OCTOBER 18

### 1 Required Tutorials

- 1. Tutorial Videos on ETF
  - Before starting the above tutorial videos, set up a starter project as follows.
  - Once you login into your Prism account, follow the steps below to get settled for the tutorial videos:
    - 1.1 Type the following commands to create a new subdirectory ETF/bank in your workspace (assuming that a directory eecs3311-workspace is on your Desktop):

```
cd \sim/Desktop/eecs3311-workspace mkdir ETF mkdir ETF/bank
```

1.2 Inside the subdirectory bank, create a plain text file bank-events.txt:

1.3 Run the following command from your Prism account:

Noice that we do not distribute executables of the etf tool (for generating a starter project). You can get access to the ETF generator via your Prism account.

```
cd \sim\!\! /Desktop/eecs3311-workspace/ETF/bank etf -new bank-events.txt .
```

- 1.4 A list of files should be automatically generated.
- 1.5 If you decide to work through the tutorial videos on your Prism account, you may now get started.
- 1.6 if you decide to work on you own computer:
  - Compress the generated starter project and transfer the zip file to your own computer:

```
cd \sim/Desktop/eecs3311-workspace/ETF zip -r bank.zip bank
```

- Proceed to Section 2 to set up the mathmodels library, which is required for compiling the generated ETF starter project.
- 2. Link to a Written Tutorial: Tutorial on ETF: a Bank Application

# 2 Working from Home

- To generate the ETF project, you must use the etf command that is available on your Prism account.
- For a generated ETF project to compile on your machine, you need to first download a library called MATHMODELS, and then set a environment variable MATHMODELS which points to the location of its download. See your Lab0 instructions for details.