

TIMETABLE

DELIVERABLE #1:

Due Date: 09/22/2020

Task: Checkout or clone project from its repository and build it - if you do not know how to compile the code, ask! Run existing tests and collect results. Evaluate experience and project so far.

Report: This is Chapter 1 of your Final Report. Report on your chosen project and your experiences executing the task above. Document progress on wiki.

Due: [team-name]_deliverable1.PDF in team's GitHub repository

DELIVERABLE #2:

Due Date: 10/06/2020

Task: Produce a detailed test plan (see p. 217 text) for your project. As part of this plan, you will specify at least 5 of the eventual 25 test cases that you will develop for this software.

Report: This is Chapter 2 of your Final Report. Report on your experiences and provide the details produced in the task above. These details should also include detailed specifications of your test plan and at least 5 of the eventual 25 test cases. Document progress on wiki.

Due: [team-name]_deliverable2.PDF in team's GitHub repository. Be ready to present your test plan in class.

Note: As you are incrementally building a coherent Final Report with each deliverable as a chapter, you may submit the completed document-to-date with the above-specified name.

The Testing Processes

- Testing if the processes works (methods)
 - Try catch
- Verify that the output of the method matches the oracle

Requirements Traceability

- Check to see if all test cases are completed successfully
 - Come up with imaginable test case (if valid)
 - Create ID for each test case under each method
 - Trace back different test cases you make with the ID to make changes

Tested Items

- *Method:* InFactorial()
 - Invalid character (String / Punctuation)
 - Negative number
 - Out of bounds number
 - Input with spaces
 - Valid input

Testing Schedule

- 10/06/2020 – 11/24/2020

DELIVERABLE #3:

Due Date: 11/05/2020

Preparation: For those teams that have been instructed to re-work their test plans, do so and resubmit with this deliverable.

Task: Design and build an automated testing framework that you will use to implement your test plan per the Team Term Project Specifications document.

Report: This is Chapter 3 of your Final Report. Report on your experiences and provide the details produced in the task above. These details should also include an architectural description of your framework, full how-to documentation, a set of at least 5 of the eventual 25 test cases. Document progress on wiki.

Due: [team-name]_deliverable3.PDF in team's GitHub repository; Be ready to demonstrate your framework in class.

Note: As you are incrementally building a coherent Final Report with each deliverable as a chapter, you may submit the completed document-to-date with the above-specified name.

DELIVERABLE #4:

Due Date: 11/17/2020

Preparation: Make changes as directed.

Task: Complete the design and implementation of your testing framework as specified in Deliverable #3. You are now ready to test your project in earnest. You will create 25 test cases that your framework will automatically use to test your H/FOSS project.

Report: This is Chapter 4 of your Final Report. Report on your experiences and provide the details produced in the task above. This is your opportunity to get your report organized into a professional-quality deliverable. Document progress on wiki.

Test Recording Procedures

- Automated testing

Hardware and Software requirements

- Software: Eclipse
- Hardware: Virtual Machine

Constraints

- Timing
- Lack of resources
- Software/Hardware failure

System Tests

- Test to see if it works on mac
- Test to see if it works with Linux
- Test to see if it works with Windows