

Software Engineering and Testing

Lab 9: (Read all instructions carefully)



TESTING YOUR IMPLEMENTATION - Upload 1 pdf file

Part (a) Plan your TEST Cases:

Now that CA3 has been completed, we are moving into the final test sprints. Look through the various tests that CA4 asks you to complete (**Unit, UI, Validation, Basis Path (BP), Equivalence Partition (EP) and Requirements Testing**). Be careful that you understand the precise definition of each (e.g. UI test - See lecture 9 Ch:10 if unsure). There are examples of all these tests on Brightspace.

You are asked in today's lab to check through the status of your implementation and ask yourselves as a Team – *Can we currently execute all these tests upon our project?*

In your document **lab9.pdf** to be uploaded, Include a Test Plan for;

- **Unit Testing** (What classes and Object will we Test? Which need to be updated? Will we use Automation OR write manual Unit Tests?- [PHPUnit: The PHP Testing Framework](#))
- **UI Testing** (What features are currently implemented (*min clicks, recoverability* etc, see Lecture 9) What needs to be added to our UI to enable these tests?)
- Requirements Testing – List all Core Requirements Completed and yet to do.
- Plan Calculations for Basis Path Test (see example on Brightspace)
- Plan Calculations for Equivalence Partition Test (see example on Brightspace)
- Plan all Validation Tests (HTML 5 Validation will not count – must be original criteria)

Part (b) Sprint

Discuss Sprint and Test Plans with Lab Supervisor

Create a **Lab9.pdf** with all test cases and upload to Lab 9 link