

Software Engineering Workshop – Week 19-20

Here are some suggestions for tasks to be getting on with:

- Start to plan how you are going to test the software you have developed for project. Which integration method do you think is most appropriate and why?
- Produce a software testing plan for your project software. For each test type (unit, integration, system and acceptance) you should produce a table that shows the test criteria, the results of the tests and any corrective action. Remember that this an iterative process, so you could submit several 'runs' for each table. You should also include both black box and white box testing for the unit and integration tests.
- Think about validation and verification for your project product. For this, you should revisit the requirements document that you produced earlier. Thinking about validation, what was the operational requirement? What were the functional requirements? Is the product able to meet these requirements? For verification think about the non-functional requirements (performance, system and implementation). Have these been met? If you have produced a good set of measurable performance requirements, you should be able test these quite easily. You should also have made your system requirements measurable in some way (e.g. usability could have been defined in terms of mean time to learn a given task), so you should be able to test those too.
- Have a general project meeting to discuss your progress. You could include a debate about how you plan to test the software you are developing.