

## SCENARIO

Following the formal review of the 'QUZoo' requirements specification document, the development team have completed an operational prototype of the website, which is now ready for testing. Accordingly, as part of your team (6-8 persons), you should prepare for, conduct and document software testing activities as outlined below. As a starting point, you should use the latest version of the QUZoo requirements specification and the team's collective experience of software testing and website operation to plan and conduct your testing activities.

## TESTING SCHEDULE

Activity	Date	Responsibility
Delivery of Updated Requirements	Tuesday 23/10/2018 (Week 5)	Development Team
Delivery of Prototype Website	Monday 29/10/2018 (Week 6)	Development Team
Testing Activities	From Monday 29/10/2018 (Week 6)	Testing Team
Testing Progress Review (Formative Feedback)	Via Advisory Sessions. All teams must book into at least 2 sessions.	Development Team / Testing Team
Delivery of Test Report	Friday 30/11/2018, 4pm (Week 10)	Testing Team
Decommission Prototype Website*	Friday 30/11/2018, 5pm (Week 10)	Development Team
Delivery of Test Presentation	Throughout Week 11, by appointment.	Testing Team

\* Test teams should ensure that they all evidence (screenshots etc.) required prior to the decommissioning of the website. The website will not be available after 5pm on Friday 30<sup>th</sup> November 2018.

## DELIVERABLES FROM TEST TEAM

1. Minutes of all meetings held throughout the testing process.
2. Submission of final test artefacts / reports.
3. Group presentation of test findings with test manager and development manager.

## TESTING TEMPLATES AND REPORTS

You will be provided a number of templates to facilitate your testing activities:

- Minutes Template: For documenting team meetings.
- Testing Spreadsheet: For documenting test conditions, cases, procedures, runs and so on.
- Report Template: For documenting testing outcomes and related material.
- Testing Metrics Spreadsheet: For generating testing statistics, which will be included the report.
- Test Charter/Report: For planning and documenting session based testing.

These templates may be amended to suit the approach/reporting style of the group, however, this should be done with caution to ensure that all the required evidence is still being delivered.

## ASSIGNMENT GRADING

This assignment is worth 60% of the total module mark for CSC7056, Software Testing and Verification. Correspondingly, the assignment is graded out of 60 points, which will be distributed as follows:

- Documentation of Testing Activities (30 Marks)
  - A suitable set of minutes documenting key discussions and actions throughout the testing project has been provided.
  - A suitable range of testing types have been utilised to exercise all aspects of the system.
  - The documentation of test conditions, test cases, test procedures and defects are complete and correct.
  - Other testing activities (i.e. those not covered by the previous bullet point) have been suitably documented.
- Final Written Report (15 Marks)
  - All sections have been completed comprehensively, objectively and with respect to the template guidance.
  - The layout and presentation of the document is fit for purpose and professional.
- Group Presentation (15 Marks)
  - The presentation addressed the overarching question 'is the website ready for release and if not, why not?'.
  - The presentation was well prepared and delivered professionally.

## PEER MARKING

This assignment includes peer marking. Each project team will be given an overall mark based on the Testing Activities, Reports etc. Each member will also be given an opportunity to peer mark each team member on their contribution to the project.

For peer marking, each team (assuming 8-person teams) will have 40 points (5 per team member) to be allocated throughout the team. Each team member's contribution shall be weighted, and their final mark will be adjusted dependant on the points allocated to the member by the other team members. The 40 points shall be shared by the team members. An individual team member may receive between 0 – 10 points.

For example, a project team receives 60% as an overall total.

- Example weightings
  - A team member is awarded 5 points (an average within the team contribution to the project) by the team he/she will receive 60%.
  - A team member is awarded 1 point (a very low contribution within the team to the project) by the team he/she will receive 56 %.
  - A team member is awarded 10 points (a very high contribution within the team to the project) by the team he/she will receive 65%.

The marking should be agreed and form part of the final Testing report submitted on Friday 30/11/2018 (Week 10). The peer marking will be reviewed by the lecturer in charge. In the unlikely event that a team member is peer marked as zero and a zero contribution is proven, then this will result in a zero mark for the student for the project. If this case arises evidence to justify the mark will be sought from all team members and it would be expected that this issue would have be notified to the lecturer during the project.

## SUBMISSION INSTRUCTIONS

All assessment documentation must be submitted to Canvas by **4pm** on **Friday 30/11/2018 (Week 10)**.

To submit:

1. Ensure that all files being submitted are in recognised Microsoft Office formats (.docx, .xlsx etc.), Portable Document Format (pdf), compressed image formats (.jpg, .png) or compressed video format (.mp4).
2. Ensure that all files are suitably named and sensibly structured into folders.
3. All files and folders from Step 2 should be placed into a single parent folder named 'CSC7056\_A2\_Group?' where the question mark should be replaced by your group number.
4. Zip the 'CSC7056\_A2\_Group?' folder.
5. Log on to Canvas and navigate to the CSC7056\_A2 submission area, then upload your zipped folder from step 4.

**Note: Students are responsible for ensuring that all required work is submitted as per the instructions above by the assignment deadline.**