SE4452A–SOFTWARE VERIFICATION AND VALIDATION

Assignment 3

Objective

Working with and evaluating the software testing tools.

Instructions

- Assignment3 is a group work and is comprised of two parts, Presentation Part of 8 marks and Report Part of 7 marks.
- Each group needs to present a 12-13 minutes presentation according to randomly built schedule.
- Each group has to prepare a presentation with a live demo for testing a piece of software.
- Your test uses the Software Tool that is assigned to the group.
- Your presentation should address the features of the Software tool in a motivated and clear way.
- Each group will also need to judge other groups' presentations according to the evaluation and rubric sheet that will be given. This judgement process is part of your total mark. Hence your attendance for all presentations is required.
- Each group has to submit a report that explains the presented tool, you may use the points in the below table as a guide. Include screen shots in your report.
- The report should also include the contribution of each student.
- The Power Point presentations, as well as the reports, should also be submitted before the deadline. **The deadline is December 10, 2015 at 11:55 pm.**

Overview	- General Features - Roles and Input combinations; e.g., Web, mobile, language(s), etc. Testing - Economics; e.g., open source, commercial, customers profile, etc. - History
Testing Interface	- User friendly GUI, Web Brower application
Testing Methods	- Static and dynamic testing, White-box testing, Black-box testing, Visual testing - Automatic correction and fix
Testing Levels	- Unit testing, Integration testing, System testing, Operational Acceptance testing
Testing Types	- Installation & Compatibility testing - Regression, Continuous & Destructive testing - Software performance and Usability testing - Security testing - Domain & Mutation testing - Development testing
Testing Plugins	- Main plugins that add more features and testing
Testing Overall	- The powerful features of this software testing tool - The weakness and missing features that not included in this tool
Testing Reports	- Generated reports types and effectiveness