CS458

SOFTWARE VERIFICATION AND VALIDATION

2019-2020 SPRING

PROJECT # 1

INTRODUCTION TO TEST AUTOMATION (WEB)

Instructions

You are asked to do the following staff as a team work:

1. Implement the web login page of Stars systems of Bilkent University, which asks for user ID and password and decides either login or give an error message. Attach your code and UML diagrams.
2. Examine Selenium which automates browsers. List main 10 capabilities.
3. Write 5 test cases for your login page.
4. Write test automation code for 5 test cases using Selenium for your login page. Attach your code.
5. Evaluate your automation experience.
6. Explain how test automation contributes to software development life cycle in terms of velocity and quality.

- Prepare a report covering all of the above tasks.
- The ***document should not exceed 20 pages*** including the cover page.
- *Submit the document to the instructor till **5:00 PM on 2ᵗʰ of March.***
  - *In printed form into the mailbox of the instructor in the department secretary's room.*
  - *In electronic form (pdf or word) to the altunel@bilkent.edu.tr address.*
- Cheating is prohibited.
- Your own ideas and your own words are expected.
- Creativity is appreciated.

Good luck