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| **Project Title:** Automatic BlackBoard Test Maker | |
| **Start Date:** 1/4/2020 | **End Date:** 4/24/2021 |
| **Team Members:** EvanSowards | |
| **Project Sponsor:** Dr. Bekkering | |
| **Customer:** NSU Professors (the program is free, so there isn’t really a true “customer.”) | |
| **Users:** NSU Professors | |
| **Purpose (Problem or opportunity addressed by the project)**: To reduce the tediousness of creating tests on BlackBoard. | |
| **Goals and Objectives**:   * 1. To make a working program   2. To learn how to read information from an xlsx file in Python   3. Efficiently implement Selenium WebDriver to ensure the program does not run so slowly that it is not worth the trouble   4. To get Selenium to enter all relevant information into BlackBoard   5. To enable randomness of answer order for multiple choice/answer questions. | |
| **Schedule Information (Major milestones and deliverables)**:   * 1. Have the program be able to navigate to BlackBoard and create a new test (1/29)   2. Figure out how to read data (Q/A, feedback) from an xlsx file (2/26)   3. Have the program be able to enter that information into the test (3/29)   4. Implement user options, such as randomness of the test (4/2)   5. Create documentation (ReadMe, models, etc.)   6. Publish each new working version to GitHub | |
| **Financial Information (Cost estimate and budget information)**: $0 | |
| **Approach:** Iterative; each iteration will be a version published on GitHub. It will be a very linear process, since the program is automating ordered steps, so a later step cannot very well be developed and tested if an earlier step has not. | |
| **Constraints:** Time, lack of knowledge of some of the technologies (reading csv/xlsx files; python interfaces) | |
| **Assumptions:** Python, Ruby, Selenium, and Chromedriver are already installed | |
| **Success Criteria:**   * Success is when the program can correctly and efficiently enter common types of questions into a BlackBoard test/quiz. | |
| **Scope**: Can enter in common types of questions into a Blackboard test/quiz from an xlsx file. Anything more than that is out of scope. | |
| **Project Priorities and degrees of freedom:** The priority is making a working program that accomplishes its main goal of uploading questions from excel spreadsheets into BlackBoard tests and pools. | |