Seng310 Assignment 4

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Part 2: Usability Inspection

## 2.1 Use case one

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| **Location in the Task** | **Heuristic of GUI Design Violations** | **Usability Defect Description** | **Possible Solution** |
| Submitting new resource | Visibility of system status | The system gives no feedback that the file was uploaded successfully | A simple conformation window. Or you could navigate the page to the resources page after submission to see the new resource. |
| Adding new resource | Flexibility and efficiency of use | There is no option to add multiple files at once impeding efficiency | Simply add the ability to add multiple files at a time, and maybe even be capable of sorting them to folders. |
| Submitting a resource | Help users recognize, diagnose, and recover from errors | No errors are provided if you add no resource. (even if the boxes are checked that send out emails!!!) | Simply provide an error message if no file is selected when pressing the submit button. Or even better, white out the submit button until something has been selected. |

## 2.2 Use case two

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| **Location in the Task** | **Heuristic of GUI Design Violations** | **Usability Defect Description** | **Possible Solution** |
| After login | Flexibility and efficiency of use | The dropdown menus at the top hide information that users may need (settings, logout) | Change it into another form of menu, perhaps buttons would be the best choice for settings and logout. |
| After creating a new test | Flexibility and efficiency of use | Unable to click the add test button again until something else had been selected. | This is a bug easily fixed by changing the code a little. |
| During test creation | Visibility of system status | The text field didn’t change or save the answers for the multiple choice questions when you selected a different letter from the dropdown menu. | Save the text and update it on letter change or have separate text fields for each letter |

\*note: The system didn’t match the use cases very well; things were labelled differently which was pretty frustrating, not really a big deal tho.

## 2.3 Use Case Three

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| **Location in the Task** | **Heuristic of GUI Design Violations** | **Usability Defect Description** | **Possible Solution** |
| After selecting elec101 | Visibility of system status | The main display does not change; it still shows the physics 122 page. | Change class pages when you select a different class from the drop down menu. |
| After starting test/quiz | Consistency and standards | Does not save the answer to questions | Add an option to save the questions answer or submit their answer. Another option could just be to automatically save it. |
| During test | Consistency and standards | No way to finish test | Add a way to submit your answers, or some feedback if there are some questions unanswered. |
| During test | Consistency and standards///Help and documentation | I have no idea what the “flag procto” button does. | It would be a good idea to add a test tutorial to the program to get the students comfortable and oriented to how the testing works. As is it has pretty poor conveyance. |
| After starting test | Aesthetic and minimalist design | Test come up in a pop out window. | The pop out window seems unnecessary when you could just embed the test in the main display of the procto program. (this may also cause cheating because there is nothing stopping students from looking at the study resources at the same time. |

\*\*note: Again the use case didn’t match the prototype, I was, however still able to stumble through it.