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Assignment 5

1. **Test and debug methods or techniques you are using.**

Unit testing: unit testing was done after every addition of code in every functionality to make sure the function did not break and its intended use was correct.

Integration testing: The log in/register and log out functionalities work well with each other and all pages lead to where they are supposed to.

Automated testing: For the reservation data entry, I am using an automated test with a fictional John Doe. Want to confirm that data entry is easy for a user.

System testing: The plan is to run a system test when I complete the reservation functionality.

1. **Bugs or defects you found during testing and debugging.**

Graphical user interface

Description automatically generated with low confidence

The main bug was with the reservation form. For my project, you select which type of booking and then that specific form will appear. Originally, I had a problem where I would choose car and correctly the car form would appear. However, if I then wanted to do hotel, instead of switching forms, the form would appear with the car form which is not the intended purpose of the dropdown menu.

Another bug was a registration issue that was quickly rectified.

1. **The reason why you have these bugs or defects.**

The dropdown menu bug was something I had to learn so I would describe it as a lack of understanding.

The registration issue was a careless error with my firebase database.

1. **How you fixed it or what’s your plan to fix it.**

The dropdown menu was fixed with JavaScript. When 1 of the 3 booking forms were chosen, the other 2 were hidden with the “display: none;” function. While this works very well, I am still searching to see if there is a simplified function for it.

The registration bug was an incorrect configuration of my database. Once I figured out the issue, the registration worked smoothly.

1. **The last one is about the software metric. Estimate your project size by using the metric: lines of code (LOC) and count only executable line.**

450 LOC (?)