**Individual report**

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**UWE Hall accommodation system management**

I’m one of the developers of the Uwe system accommodation management, My responsibility was to maintain a working environment and motivating my team to work harder but also faster.

My responsibility was to implement the connection between the interface design and the coding classes, I also connected the database to the system and implement the CRUD operations. My teammate coded the backend of the project, and I added the database to it by implementing the sql queries, I coded the update functions and the delete function. I have also coded the select Treeview function in order to have an organised distribution of data.

I have tried to make the code as simple as I could in order to not confuse future improvement, even though the code is written efficiently with not too complex algorithm to debug, as well as it is valid for all times and environments.

I had the responsibility to design the code, and provide a working software so that I did, also as an over viewer I know every single piece of the code.

I have implemented the database system clearly so that when the user selects the role, it is going to fetch all the values in the table and pick the right one.

As the manager ad admin has the same input, thus I have tried to put the warden as an exception in order to display all the user’s data needed.

The Treeview function was lightly challenged comparing to other features, the concept the display the data hierarchically in a tabular pattern was a new concept adopted.

The function is called select, it allows you entering data in 10 input columns, these data will store the values that the users will enter later on, all the rows will be ordered in a stack mechanism, the disabled ones defines the limited access of the users in the system.

The Treeview has heading made as name for the columns and design are implemented in order to improve the front end that the user will deal with. Using colors, shapes ,size ,input boxes, and other design features.

The database appears when the software is running.

The tables are created instantaneously and saved into the database, when the button command are pressed, the instruction is applied immediately to make update into the database.

All the button command are connected directly to the database in order to open it each time the button is pressed and retrieve or add new data into it.

All the errors are checked and verified so that the software is ready to be produced.

Over the semester I have acquired the knowledge to use Tkinter and sqllite3 in order to build advanced software.

the README.md file is a notice to enter the right credential to login for each users including their roles.

The error messages are displayed when the data is missing on the database or the entry is missing on the input box.