

☆NAVAGAS HOTEL☆



>>Overview and features

This is a hotel reservation project. This idea was inspired by the websites called Agoda and Booking which let you reserve any hotel that cooperates with their websites. This project called Amazing Hotel customers can make reservations and cancel but after reservations there will be a huge promotion for them.

There will be 7 choices that customers can choose. Each choice has a different process.
Choice :

1. This will show all the rooms in this hotel with its information.
2. This is for the customer who wants to stay in our hotel so they can reserve this choice with their username and room number that they want.
3. This will illustrate every reservation room number and name.
4. Of course if we can reserve we can also cancel so this requires username and room number to cancel as well.
5. This also displays all reserved rooms in the hotel. It is a bit different from choice 3 which will show room number, room type and room status.
6. This is similar to choice 5 but this will show available(status) room instead.
7. This is the last menu. If you already reserved any room in this hotel you can see the promotion that hotel offers to you as a special guest. But the discount is based on room type(Standard and Luxury).

>>Required libraries and tools

'turtle', 'Turtle', 'screen', 'datetime', 'TurtleScreen' and 'json'

>>Program design

1. Class **Hotel** This class is the most important class that will put everything together. In this class I also construct the room and update it every time into json file.
2. Class **Room** in this class it set the room price and Room format to call it in the Hotel class
3. Class **Reservation** has a duty to show the customer reserved timestamp.
4. Class **Login** is the main part in this project to make the interface for the promotion.
5. **main2** this is not Class but this is used to run all the things that I have written by letting the user select the choices (Explain in overview).

>>Code structure

The only file used in this project is **json** **[use reading in Class hotel create_rooms method and also writing in save_data method]

-accounts.json use to keep room information (Room number, guest name, room type and room status)