CSC 540 Project Documentation:

Our project consists of 4 roles.

1. Executive manager - Can generate reports(across hotels) and has access to creation/updation/deletion of hotels. He can also generate bills for individual reservations. He is like the superuser of the database.
2. Manager - Can generate reports within the hotel and can add/delete/update staff details, and has access to all the functionality of a front desk representative.
3. FDR(Front desk representatives) - can check-in and check-out customers, add/update/delete customer details and check staff details.
4. Service Staff - this role is representative of all other staff members apart from manager and FDR. They can add services that a customer has availed to the database.

We have written separate functionality where the output of an operation changes, such as a manager should see different operations in Tasks and operation, when compared to an FDR. But we use same functions when the operation and its intended effect is the same. Such as, a manager checking out a customer can reuse the function which FDR uses with the same parameters.

More details are there in comments of code components.

Running instructions:

WolfInnMain.java is the main file and it should be run to start execution.

Flow:

First select role, then navigate as per the numeric option selected for the indicated functionality.

Also provide the user input for the parameters asked.

Program executions jumps out after a flow, again start its execution then.

Validation of inputs not done, assumption is that correct inputs will be provided.