**Project Title:** Hotel Management System

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**Project Summary/Abstract:**

We plan to create an application/software for a hotel management system that small business owners can use to effectively manage, create, and make changes to their bookings. Through the program, they will be able to record, store and retrieve client information at any given time.

Our system would use a combination of Python, Java GUI, and a database. In our system, the client (through the client/booking dashboard) would be able to upload some data into the Java GUI, then the data would be uploaded into the database, which would store this information. We would be implementing Python to splice and select data to create reports for the user (the manager dashboard). Additionally, we would implement an element that would allow the owner to print receipts from this dataset for the customers.

For scope, our program would create a new database for the customer which would store: room-type (for demonstration, we will have 5 different types) and its price–as well as duration of time (number of nights).