

Course: CS 234

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TEAM 2 Project

Team 2 has selected a hotel management system.

Project Scope:

The aim of team two's HMS is to efficiently monitor operations. The HMS will monitor and handle reservations, catalog employees and customers, calculate transactions per stay, and monitor room availability. The HMS system will ultimately utilize the Java language and persistent information for its data. However, an initial dummy set of information will be uploaded with customers, transactions, and staff.

The guest management module will facilitate the registration of new guests and add guests' information such as: duration of stay, preferred room type, name, phone number or email, and address. Additionally, the room management module will allow the ability to add, modify, or remove available rooms, keep tabs on the status of different rooms like single, double, or suite, and offer an instant update on room availability. A staff management module will allow for staff management. The HMS will ultimately allow the user to create, read, modify, and delete information from the main objects. Additionally, the system will print transactions, staff payroll, and inventory of rooms. The HMS will also incorporate features for searching in each respective module (Guest Management, Room Management, and Staff Management). The HMS GUI will prioritize user-friendly navigation/directions and ease of use to ensure data integrity.

The tentative timeline for this Project is about 14 weeks. The timeline involves four stages. Stage 1 is currently listed as due by September 10th, stage 2 by October 8th, stage 3 by November 12th, and stage 4 by December 14th. We are currently wrapping up stage one; it involves team choice and project choice. The bulk of the scope involves stages 2 and forward. So, with this in mind. The initial three weeks of stage 2 will be dedicated to designing the system classes, relationships, and a basic UML design representing the systems classes and relationships. The next four weeks will involve developing the HMS into a command-line application. In the last weeks of the project, we will develop the system as a GUI application. This timeline and scope offer a balanced challenge for a small team, while also producing a practical hotel management system.