

Hotel Management Information System

Brad Bulkley
Loren Caler
Jacques Zalma
Vahe Karamian

Project Overview

The Hotel Management Information System will implement all aspects of a regular hotel. Some of the additional features would include restaurant management, pool, casino area, gym, spa, and possibly a recreational area.

Project Resource

There is no special hardware for this project except a SQL server which is already established and functional. The server specifications are as follows:

Server - dual PIII 700
512MB RAM
Filer - PIII 700
2GB RAM
1TB HD

The programming language which will be used to implement the system will be C++. The tool used to develop the system will be Borland C++ Builder. The database will be implemented using MySQL and it will be hosted on a MySQL server.

Staff Organization

Jacques Zalma

- ? Project Leader.
- ? Responsible for business aspect of project.
- ? Diagrams, Data charts, interviewing customer liason.
- ? Scheduling meetings within group.
- ? Maintaining basic flow of project organization (timeliness of deliverables)

Loren Caler

- ? Responsible for business aspect of project
- ? Design and implementation of project diagrams, DFDs
- ? Management of GUI and DB aspects (i.e. Entity flow)
- ? Communication between group members integrating design ideas

Brad

- ? Creation, maintenance and updating of DB
- ? Responsible for installation of server for DBMS
- ? Implementation of relations between objects

Vahe Karamian

- ? Responsible for creating and updating GUI

- ? Implementing code to be accessed by DB
- ? Design and implementation of user functions

Teamwork operation methods

The group is mainly subdivided into two sections: the coding/database side, and the business/diagram side.

Vahe and Brad are responsible for making sure that the GUI and the database work together and that functions in the GUI are representative of how the database is structured.

On the other side, Loren and Jacques are responsible for making sure that the program reflects the true nature of the business, namely a hotel. This includes writing up diagrams such as PERT and Gantt charts. Also included in this is a schedule of how to go about things in an orderly fashion.

Group members keep communication via e-mail or ICQ (an internet messaging system). Each member will e-mail their work to all group members to receive an "ok" for any progress. If a group member has any changes or comments to make on the work, that will also be sent to all the group members who must agree on that change before it is implemented. This way the project is a collaborative effort between all the group members.

A meeting is scheduled once a week so as to discuss any issues or new ideas that come up in relation to the project. This keeps the lines of communication open and helps keep the cohesiveness and focus of the group together.

List of Activities

1.1.1

- ✍ Identify project needs and requirements
- ✍ Meet with hotel to discuss current program
- ✍ Identify project constraints

1.1.2

- ✍ Scope keyboard functions
- ✍ Scope modes of interaction
- ✍ Scope entity and methodology of database objects and relations
- ✍ Design sample GUI

1.1.3

- ✍ Define menu items
- ✍ Define IO functions

- ✍ Describe functionality of program
- ✍ Describe processes
- ✍ Estimate cost of project

1.1.4

- ✍ Define technical feasibility
- ✍ Implement menu system
- ✍ Implement database with GUI
- ✍ Revise document as necessary

1.1.5

- ✍ Make quick estimate of size
- ✍ Revise document as necessary

1.1.6

- ✍ Create a scope definition
- ✍ Review scope document with customer (Professor)
- ✍ Revise document as necessary

1.1.7

- ✍ Implement all system features
- ✍ Revise, update and finalize design documents
- ✍ Discuss and diagram presentation for customer (class)
- ✍ Revise document as necessary

1.1.8

- ✍ Test all functions and menus of project
- ✍ Determine needed changes
- ✍ Finalize all documents, databases and code for project
- ✍ Deliver finished product
- ✍ Revise document as necessary