**Concept of Operations**

**Hotel Management**

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Contents of this Document

The Current System

The Proposed System

* Motivation
* Users and Modes of Operation
* Operational Scenarios
* Operational Features
* Analysis

**The Current System**

Since this is a web-app we are not building upon another system. The only thing we can do is compare our web-app to other hotel sites that allow this type of functionality.

<Include a brief description of the current system (if applicable). This is most applicable if your system builds on another or performs a task similar to other systems.>

<If there are no other systems that are similar to the one you are creating, indicate that and briefly describe what your system will do. First ensure that you have performed an exhaustive search for similar software.> <1 or 2 paragraphs.>

Our system is a web-based application specifically for Hotel Management.

**The Proposed System: Motivation**

A new system is necessary because Monopolies are bad.

<Describe why a new or modified system is necessary. What will your system provide that the current system does not? Consider situations where yours is easier to use, cheaper, more accessible, or provides more or less features. If your system is a new system, why will people need it?> <1 paragraph to 1 page.>

**The Proposed System: Users and Modes of Operation**

Client: They will be allowed to make a user and password. They will also be allowed to make reservations, and check/cancel ONLY THEIR OWN current reservations.

Receptionist: Will be able to check-in/check-out clients from the hotel on the Web-app.

Manager: Will be able to do what a receptionist does. Additionally they are allowed to make reservations for specific users.

<Briefly describe each class of user and each mode of operation for the proposed system.>

<Will you have more than one class of users? For mobile productions, consider free version users and pay version users. How will they differ? Consider low level users who may only will use a few features of your product and high level users who may want to take full advantage of your product.>

<What are the modes of operation? These are the states that your system can be in.> Some examples of modes could include: free version vs. paying version; user vs. admin; single player game vs. multi-player game. <1 – 3 sentences per user and mode>

**The Proposed System: Operational Scenarios**

<Describe the major operational scenarios for the proposed system. What will people use your system to do? Consider each feature that is relevant to your system. You may have multiple features that correspond to each operational scenario.>

<Include typical scenarios and a few atypical scenarios (errors, high risk situations, etc.) and preferably at least one operational scenario per mode of operation. How will your system handle faults? These may be incorrect inputs, loss of Internet connection, system crash, etc.> <1 paragraph per scenario>

**The Proposed System: Operational Features**

Must Have: <list these features in priority order>

* Website
* User types: Client, Receptionist, Manager
* Database for Rooms/Users

Would Like to Have: <list of these features in priority order>

* All the must haves (lol) but really, be careful here.

**The Proposed System: Analysis**

The system will be developed using text editors. We will use HTML5, CSS, PHP (possibly Javascript/jQuery) for the front-end display. We will also use PHP and MySQL for data storage and communication from front-end to back-end. It is a web-app so it should be released on Chrome, Safari, Firefox on mobile and desktop.<Briefly describe how your system will be developed. What environment will you use? What language(s) will you be developing in? What platform will your software be released on?>

There will be a learning period for the programmers. A major limitation is that you must have an internet connection. The system is mobile. I wouldn’t recommend using the system while driving.<How will this affect other aspects of your development? Is there a learning period for your programmers? Are there limitations in your platform? Is your system mobile or stationary? Does it require an internet connection? Are there locations where your system cannot or should not be used?>

<List the disadvantages and limitations associated with your platform/development environment/language/etc. What are your other alternatives? What are the tradeoffs? Why are your selections the best possible for your system?> <3-5 paragraphs to 1 page>