Project Proposal

Project Name: Boardroom booking system

Prepared By:

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# Introduction

The purpose of the Boardroom booking system it to allow company’s, groups, and people to book boardrooms at different building located in cities across Canada. The system is comprised of two websites, a database server (MySQL), and a web server (Apache TOMCAT). The first site being the main site for external users (normal users) and the second being the administrative site for the internal users (admin users). The main site will provide the following feature:

* Creating an account with the system/log-in to the system
* Browse boardrooms in different provinces and cities
* Browsing boardrooms based on user requirements (i.e. Total space/number of people allowed)
* Booking a boardroom with a account
* Allow language change between English and French

The administrative site will provide the following feature:

* Access to only admin users
* Creation of new admin user accounts
* Adding new buildings
* Adding new rooms to a building
* Editing existing buildings and rooms information
* Allow language change between English and French

This system will be developed by the following people;

* List team members

# Architecture

## Data Aspect

## Function Aspect

|  |  |  |
| --- | --- | --- |
| Function # | Description | Users |
| FM1 | Allow users to create account with the system and log in with those accounts | Non-account user/account user |
| FM2 | Allow user to see, update, and delete they account information | Account user |
| FM3 | Switch the language content of the site between English and French and being able to remember the user preferred settings | Non-account user/account user |
| FM4 | Allow user to browser thought a list of all boardrooms | Non-account user/account user |
| FM5 | Allow user to filter the list of boardrooms based on different criteria and have the list auto-update based on the filter  Criteria;   * Province/city * Building * Room size | Non-account user/account user |
| FM6 | When a room is selected show more the user more info on the room  Room info;   * Building with full address * Province/city * Room size * Room description | Non-account user/account user |
| FM7 | If the user is logged in allow them to book the room by letting them chose the date and time to book. Then have them confirm that choice. | Account user |
| FM8 | Allow user to see all rooms that they have booked (past and future) | Account user |
| FM9 | Select the closest building to the user location |  |
| FA1 | Access to the site by admin account only | Admin user |
| FA2 | Switch the language content of the site between English and French and being able to remember the user preferred settings | Admin user |
| FA3 | Allow admin user to create more admin accounts | Admin user |
| FA4 | Allow admin user to add new building to the system | Admin user |
| FA5 | Allow admin user to add new rooms to existing building in the system | Admin user |
| FA6 | Allow admin user to update info on existing buildings in the system | Admin user |
| FA7 | Allow admin user to update info on existing rooms in the system | Admin user |
| FA8 | Allow admin user to delete or disable existing building and perform the same operation all rooms within that building | Admin user |
| FA9 | Allow admin user to delete or disable existing rooms | Admin user |

## Network Aspect

Diagram showing the structure of the system (web browser, tomcat server, database server?)

The web server and database server are all located in the main building which is located in Ottawa, ON Canada. With user access the site from all over Canada.

## People Aspect

There are three type of user that will be using the system, they are non-account user, account user, and admin user. The non-account user are being that have yet create an account with the system but are still able the browser the all the boardrooms, so in terms they are simple guest of the user. The account user are the ones that have created an account with the system, they are able to browser the all the boardrooms and have the ability to book a room. The admin user are the only user that can access the admin website portion of the system. It is their job to keep the information in the system update to date.

## Timing Aspect

Database?

## Motivation Aspect

Privacy issue: no sharing of personal information without consent. When users are creating an account with the system, they will be access to read and accept Terms and condition and privacy policy.

# Project Plan