

Project Group 36

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Project description (336 words)

Sqills has asked us to create a room management web application. Currently, the Sqills employees are using Google Calendar to reserve a meeting room. The company wants to keep the old fashion way a room is reserved, but the company also wants a new system where each room will have a tablet with the web application displayed that indicates the current availability of the room. From the tablet, employees can also reserve a room.

This application should receive its data automatically from the Sqills Google Calendar. With the data extracted from Google Calendar, the following web pages would be created to fulfill the requirements of the application: an overview page and individual pages for the rooms to be displayed on the tablet outside of each meeting room. The overview page will show all meeting rooms with its current availability (color coded) and timeframes of current meetings. The individual room pages will display the room name, availability, schedule, and a function button to reserve a room for a certain date and time. If a room is reserved with the function button, Sqills' Google Calendar will update accordingly. A reservation will not be made if the date and time chosen are not available for the room chosen, and an error message would appear asking the user to choose an open timeslot.

The application will also have an option to mark meetings 'Private' and there will be a way to see how many people are in the meeting, but not who is in the meeting.

After completing the basic functionality shown above, below are the design choices and additional functionalities our team will implement.

- An overview of a map of the building that indicated which rooms are currently available and are occupied.
- To select a date and time from the overview page and have it show which rooms are available then. From there, a user can reserve a room.
- An administrator page which only company administrator has access. Within this page, the administrator can modify reservations.