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A comprehensive office space and amenities rental system for Stonecrest Suites, LLC.

**SRS for Stonecrest Office Space Rental System**

# Section 1: Introduction

## Purpose:

To provide an office space rental and reservation system for Stonecrest Suites, LLC.

## Scope:

The project includes a website with admin and user interfaces, implementing features that allow a user to reserve a given room

## Overview:

Admin and user interfaces will enable room management and reservation, respectively.

## Workflows:

From proposal

## Standards Followed:

* **Coding:** JavaScript ES6, HTML5, CSS3
* **Design:** Material Design
* **Learning Model:** Agile
* **Architecture:** VEN Stack
* **Testing:** Swagger API

# Section 2a: Requirements

* The system will be accessible via the web.
  + **Success Measurement:** There will be a link to take you to the web service.
* The system will be a multipage application that is easy to navigate for the user.
  + **Success Measurement:** The system will be tested by users before publication to verify its ease of use.
* The system shall allow admins to manage the rooms.
  + **Success Measurement:** Able to add, delete, and modify room data without errors.
* The system shall allow admins to edit the content displayed on there home page, this includes the FAQ section and the General pricing information in case any changes are needed.
  + **Success Measurement:** The admin will be able to insert and delete faq and pricing info on the admin page.
* The system shall allow users to find a room that they want and reserve it.
  + **Success Measurement:** Users can open the booking page and choose a location, they will then see rooms offered, and should be able to reserve a room.
* **The system will allow** admins to keep track of what rooms have been reserved.
  + **Success Measurement:** There will be a tab for the admin page to manage reservation where they can view and edit reservations.

# Section 2b: Stretch Requirements

* The system could implement a email system to send a notification to a user upon reserving a room, and when the time is closer for the actual reservation
  + **Success Measurement:** users will be able to receive an automated email regarding there reservation
* The system could allow users to create profiles to remember them by for filling out fields more quickly.
  + **Success Measurement:** users will be allowed to make a profile that helps them quickly fill out fields
* The system could allow users to be able to pay for there room before they get to the location, this would require using a payment system that does not keep track of credit card info for security reasons.
  + **Success Measurement:** The users will be able to pay for their reservation online rather than paying upon arrivel.
* The system could allow for ameneties to be added to a checkout for a certain price.
  + **Success Measurement:** the users will be able to add different ammeneties to there rooms during checkout and the price will be increased to reflect this in the cart.

# Section 3: Design Overview of the Product

## Workflow:

Users search for spaces, reserve spaces, and admins manage spaces and reservations.

## Resources:

* **Front-end:** Vue, HTML, CSS
* **Back-end:** Node, Express, PostgreSQL
* **Deployment:** Netlify, Render

## Data at Rest:

Stored in PostgreSQL database.

## Data on the Wire:

Data will be transferred securely using HTTPS.

## Data State:

State flow diagram will detail how data moves from front-end to back-end and vice versa.

# Section 4: Verification

## Demo:

A live demo with a representative dataset.

## Testing:

Each requirement will be tested using the website itself, or using swagger for backend testing.

## Sources/Citation/Resources Links:

* Vue documentation: [Vue.js](https://vuejs.org/)
* PostgreSQL: [PostgreSQL Documentation](https://www.postgresql.org/docs/)
* Sequelize: [sequelize documentation](https://sequelize.org/)