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# Surf-Deck

Project 2: Interactive Full-Stack Project

Created By

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# Elevator Pitch

“An interactive and responsive application that allows a surfboard rental shop owner to manage and track their inventory of surfboards for daily rental or membership checkout. Each member will have a login to enable them to see what boards are available and to reserve a surfboard. An administration page will be available to enable employees to manage the database.”

# Website Concept

- **Description:**
  - **Allows a surfboard rental shop owner to run a website to display and manage the inventory of surfboards**
- **Motivation For Development**
  - **To work as a team to build a functional web application that utilizes databases to manage an inventory of surfboards**
- **User Story:**
  - AS A user who wants to run a surfboard rental shop
  - I WANT to have a website to view and manage an inventory of surfboards
  - I WANT to be able to add and remove surfboards
    - I WANT to allow customers to rent surfboards
    - I WANT to have member login Area
    - I WANT to support multiple shop location
  - SO THAT I can run a successful surfboard rental shop

# Technology Overview

- **Technologies Used:**
  - **HTML/CSS/Javascript**
    - **Bootstrap**
    - **Handlebars**
  - **Express.js**
  - **mysql + Sequelize**
  - **DotEnv + Bcrypt**
  - **Simple Datatables**

# Process Overview

- **Tasks Delegation:**
  - We divided the project into features then would assign features to team members to complete.
  - We also utilized peer programming to implement proof of concept code for complex and critical features.
- **Roles**
  - Clayton: Project Manager / Deployment/Repo / Javascript
  - Eric: HTML / CSS / Javascript
  - Sam: Database / HTML / Javascript

# Challenges and Successes

- Challenges/Successes
  - Our first challenge was routing and connecting the database/models to our other files so that we can display that data. Once the database was routed correctly and displayed our data, we were able to expand the database and create the foundation for our webpage through the use of handlebars. We used handlebars to call upon the data and render it the website.
  - Our next big hurdle was having handlebars formatted with the correct layout and display information from our database. We overcame that and got our handlebars to display our webpage as intended through the correct use of syntax. The syntax used double curly brackets to call data from our models to our handlebars.



**Demo**

# Future Development

- **Enable User Profile Page**
- **Generate user use data based off many different attributes of a surfboard**
- **More indepth rental system**
- **Payment system**
- **Enabling admin controls through the use of login authentication**



# Links

- Deployed: <https://surf-deck.herokuapp.com/>
- GitHub repo: <https://github.com/DesertCow/Surf-Deck>