

GEMS - Capstone

- **Dashboard**
 - Search
 - Allows searching of accommodations, regions, groups
 - Display a list Regions with a summary of information
 - Available Rooms
 - Booked Rooms
 - Number of Accommodations

Accommodations

- **Required Fields:**
 - Name
 - Address
 - Email
 - Type of room (hotel room/motel room/ B&B/ high school gymnasium/etc.)
 - Number of rooms/beds
 - Support of ESS? (yes / no)
 - Restaurant Available? (yes / no)
 - Pets? (yes / no)
 - Accessibility Available? (yes / no)
 - Wheel chair? (yes / no)
 - Walker? (yes / no)
 - **Display a save button**
 - If viewing this record, display a Edit button and Assign button
 - Assign button should allow user to assign an existing group to this Accommodation

- **Groups**

The Groups page displays all of the groups of people that have been provided accommodations. The name, amount of members, and main contact number are displayed on the Groups page, along with if they have been booked into an Accommodation, and if they are ESS or not. Like the Accommodations page above, the Edit and Assign buttons are used to edit the group information, and assign them to an accommodation, respectively.

Required Fields:

- Name
- Primary contact name
 - Primary contact phone
 - Primary contact email
- Secondary contact name

- Secondary contact phone
 - Secondary contact email
- ESS Group (yes / no)
- Group headcount
 - Adults (18 and older)
 - Children (18 and younger)
 - Pets (yes / no)
- Does group have accessibility requirements (yes / no)

- **Regions**

The Region's page displays a snippet of information for each Region added into the site. The name, amount of accommodations within the region, and the amount of bookings that have been assigned to the region are all displayed, with an Edit button allowing for full viewing and editing of each region, just like the Groups and Accommodations pages above.

- **List Regions**
 - Name of region
 - Amount of accommodations
 - Number bookings
 - Number of available rooms
- **Create Region**
 - Name of region
 - Link accommodation to region

- **Bookings**

The Bookings page shows the bookings that have been made within the site. Each booking is associated with a unique ID instead of being provided a name, along with the associated Accommodation and Group for the booking. The From and To dates are provided to show how long the Group will be in that Booking. An Edit button is provided here as well in case the information of the Booking needs to be changed.

- **List Bookings**
 - Display groups and their linked accommodations
- **Create Booking**
 - Assign a group to an accommodation

Use cases:

Phone based booking:

- Call comes into center to book reservation
- “Reservation Agent (RA)” then asks the following information to establish requirements:
 - Location Requested
 - How many rooms required
 - Check In Date
 - Check Out Date (if known)
- They pull up location to see availability
 - If available, they gather the following information:
 - Type of Room Required (1 bed, 2 beds, cot, etc.)
 - Number of Guests
 - How many adults
 - Children under the age of 18 years old
 - Pet Yes No
 - Type (dog, cat, etc.)
 - Accessible room required? (Yes / No)
 - If yes, what type (wheelchair, walker etc.)
- If they match criteria of above rooms, they then gather:
 - Name of Person (or people) Staying in the Hotel
 - Cell Number of Person (or people) Staying in Hotel
- Then they ask what department/region is booking the room(s) – name and contact information
- Complete billing information based on the above:
 - Room and Tax Being Billed to (EMBC, ESS, BC Wildfire Services, etc.)
- **Option 1 if we have a booking platform:**
 - Complete reservation online
 - Give confirmation # (if applicable)
 - Send reservation information to hotel
- **Option 2 if we don’t have a booking platform:**
 - Complete reservation request advise you will call them back with confirmation number and hotel address. (If applicable)
 - Check inventory from master sheet
 - Send or call-in information to hotel and book
 - Get confirmation # from hotel
 - Send confirmation to “customer”

Legend:

ESS - Emergency Support Service (an individual or group that is part of a response team)

EMBC - Emergency Management BC, formerly the Provincial Emergency Program, is a division of the Ministry of Public Safety and Solicitor General of British Columbia, Canada.

Bonus Round (don't worry about for now):

- Public facing reservation
 - Email / Application notifications
- Create API routes
- Visual heatmap of activity per region

Hosting: local
database: local
cache: local
Storage: local

If you need to be sending email notifications for any reason, feel free to use mailtrap.io as it provides an easy way to view the emails being sent out from GEMS.

Suggested Stack:

Laravel* / Breeze / Vue & Inertia

Laravel Documentation

<https://laravel.com/docs/9.x>

Hosting suggestion:

<https://laravel.com/docs/9.x/homestead>

Feel free to use external hosting if so able.

*must use Laravel.