
Warming Hut Software

Developer Documentation

v0.0.0

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Motivation

The primary motivation behind the development of this software stems from the need to streamline and enhance the efficiency of managing guest data at the HRDC's homeless warming center. Prior to the introduction of this software, the center relied heavily on manual data entry processes, utilizing Google Sheets to input and manage information across two separate databases: one internal (CaseWorthy) and one statewide (HMIS). This method was not only time-consuming but also prone to errors, leading to inefficiencies in data management and reporting.

Purpose

This custom software solution is designed to enhance the operation of the HRDC's year-round homeless warming center in Bozeman, Montana. It aims to assist front desk staff in managing incoming and outgoing guests efficiently. This software aims to minimize the learning curve and reduce the operation burden on front desk staff.

Directory structure

Backend

The backend consists of a JavaScript REST API built on Node.js using Express.js as the application framework.

```
warming-center-api/  
├── README.md  
├── config/  
├── controllers/  
├── middleware/  
├── models/  
├── routes/  
└── server.js
```

- **config/** - Application configuration settings (i.e. database operations, API keys, connection settings).

- `controllers/` - Logic of how user requests are handled and how the response is formulated.
- `middleware/` - Custom middleware functions that are used to perform custom operations like logging, authentication, authorization, and error handling.
- `models/` - Representation of MongoDB collections.
- `routes/` - The endpoints of the web application.

Frontend

The frontend consists of a Vuejs project built on Node.js and Vite as the development server.

```
warming-center/
├── public/
├── src/
│   ├── assets/
│   ├── components/
│   ├── views/
│   ├── App.vue
│   ├── Router.js
│   ├── main.js
│   └── style.css
├── README.md
├── index.html
├── models/
├── routes/
└── server.js
```

- `./public` - Static assets that should not be bundled by the transpiler.
- `./src` - The “heart” of the application.
 - `/assets` - Assets used by components. (i.e. SASS, CSS, images, etc...)
 - `/components` - Reusable Vue instances that define a part of the U.I.
 - `/views` - The pages of the application associated with the application HTTP routes.

Builds

→ Zero Feature Release

- Beta Release
- Feature Complete Release
- Release Candidate
- Final Release

Testing

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Automations

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Releases

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Errors and Bugs

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Code Format and Documentation

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