Backlog Burner

Backlog Burner is a software that can create a schedule centered on maintaining work-life balance while accounting for hard and soft constraints. This project has two parts: A VueJS frontend and a Rust backend.

Folder Structure

There are two important folders in this project (**src** and **api\_backend**). **src** contains the VueJS frontend of Backlog Burner. **api\_backend** contains the Rust backend.

Project setup

To run this project, you must have the Rust programming language, Cargo (the Rust build tool and package manager), NodeJs and npm installed.

The web frontend dependencies are:

* @adamdehaven/vue-custom-tooltip
* @azure/msal-browser
* @fortawesome/vue-fontawesome
* axios
* core-js
* moment
* rrule
* v-tooltip
* vue
* vue-cal
* vue-router
* vue3-cookies
* vue3-google-oauth2
* vue3-timepicker

Install the dependencies for the frontend of Backlog Burner by entering into the project directory and running:

*npm install*

The Rust backend dependencies are:

* actix-web
* actix-cors
* chrono
* serde\_json
* serde
* rand
* itertools
* rsgenetic
* rand\_chacha
* rand\_core

Install the dependencies for the backend of Backlog Burner by entering into the **api\_backend** directory and running:

*cargo build*

Running Backlog Burner

To run Backlog Burner, open two terminals. In the first terminal, enter the project directory

*npm run serve*

This starts the frontend of Backlog Burner.

In the second terminal, enter the **api\_backend** directory and run

*cargo run*

This starts the backend of Backlog Burner.