

Family Organizer Application

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Description

This application was built with an idea of helping families organize their daily activities. This application will help any family plan for events like birthday's, buying a present, and other important events in our lives. Reminders for these events will be visible on home screen. This application will also help families while grocery shopping and creating a meal plan for the week. This multi-faceted application will help families of all sizes manage their daily and weekly routines.



Features

- Organize daily and weekly activities.
- Add upcoming/planned activities to your To Do List or Events, never miss any activities and never forget a responsibility again.
- One stop place for your Grocery List, any family member can shop from this centralized Grocery List.
- Menu List to plan family dinners for the week.



Planning - User Stories

User Authentication – Login and logout securely from all screens

Events – Add, Update and Delete events

To Do List - Add, Update and Delete from to do list

Grocery List - Add, Update and Delete from grocery list

Menu – Add and Update menu for each day

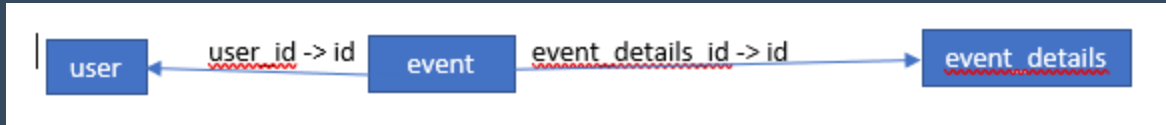


Planning - Database

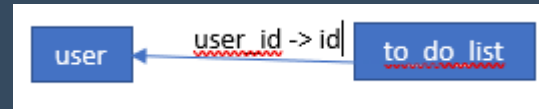
Used MySQL to store all user related information using ORM to establish relationships between data.

User table – Stores users information (username, family name, hashed password). During login authentication, happens against information stored on this table.

Event and Event_details tables – Stores events related information.

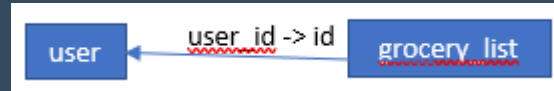


To_do_list table – Stores to do list items.



Planning - Database

Grocery_list table – Stores grocery list items and each items details



Menu table – Stores menu information with details of each meal



Technology Stack

- Java
- Spring
- Thymeleaf
- MySQL
- CSS
- Html
- IntelliJ IDE



Demo



What I Learned

- Gained a better understanding of how to use authentication to provide security to the application and using encryption of passwords to enhance security and protection of user information.
- Maintenance of user session and displaying only user specific information within application.
- Gained valuable experience using the MVC Pattern
- How to build wireframes to design UI throughout application
- Gained a better understanding of the SDLC and application lifecycle management using Trello



What's Next

- Add a calendar option to home page, to help better visualize events or to do list for the upcoming month
- Improve UI to provide better user experience, usability, and to make more visually appealing to users
- Add the ability to add and manage multiple family members with limited access to features of application. This will allow for multiple family members the ability to log in access a more personalized homepage that will display information related to each individual
- Expand functionality of the Menu feature to have ability to create menus for all three meals

