

Free Food FIU

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Problem Statement

- Florida International University is a large campus with over 300 acres and a student body of over 56,000 students.
- At FIU, there are numerous amounts of clubs and social organizations that hold events on a daily basis. Usually these events provide food, refreshments, and even some have giveaways.
- With events occurring throughout the large campus, students are usually not aware it is even happening. With that in mind, all foods and refreshments that are provided end up being discarded due to the lack of attendance.



Purpose



- Free Food FIU aims to address food waste and food insecurity by creating a platform that connects students with campus events that offer free food.
- Students can search for events based on location and type of food, and view pictures of the food offered at the event.
- Event goers can add and update information about events to ensure students have access to accurate and up-to-date information. The platform's user-friendly interface makes it easy for students to find and attend events.

Problem Management

This project was developed during the summer semester with the following timeline:

x5 2-Week Sprints

- Sprint 1: May 15 – May 26
- Sprint 2: May 29 – June 9
- Sprint 3: June 12 – June 23
- Sprint 4: June 26 – July 7
- Sprint 5: July 10 – July 21



Types of meetings: Daily Standup, Sprint Planning, Retros, Sprint Review

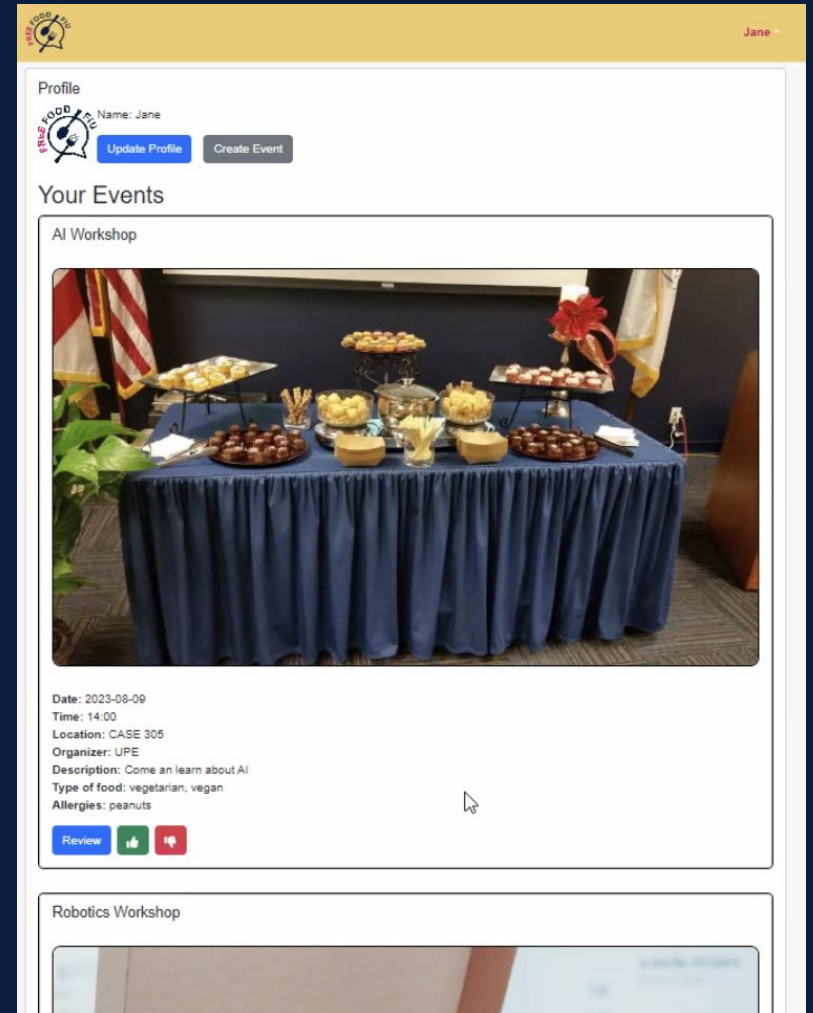
Tech Stack: MERN

- MongoDB
- Express.js
- React.js
- Node.js



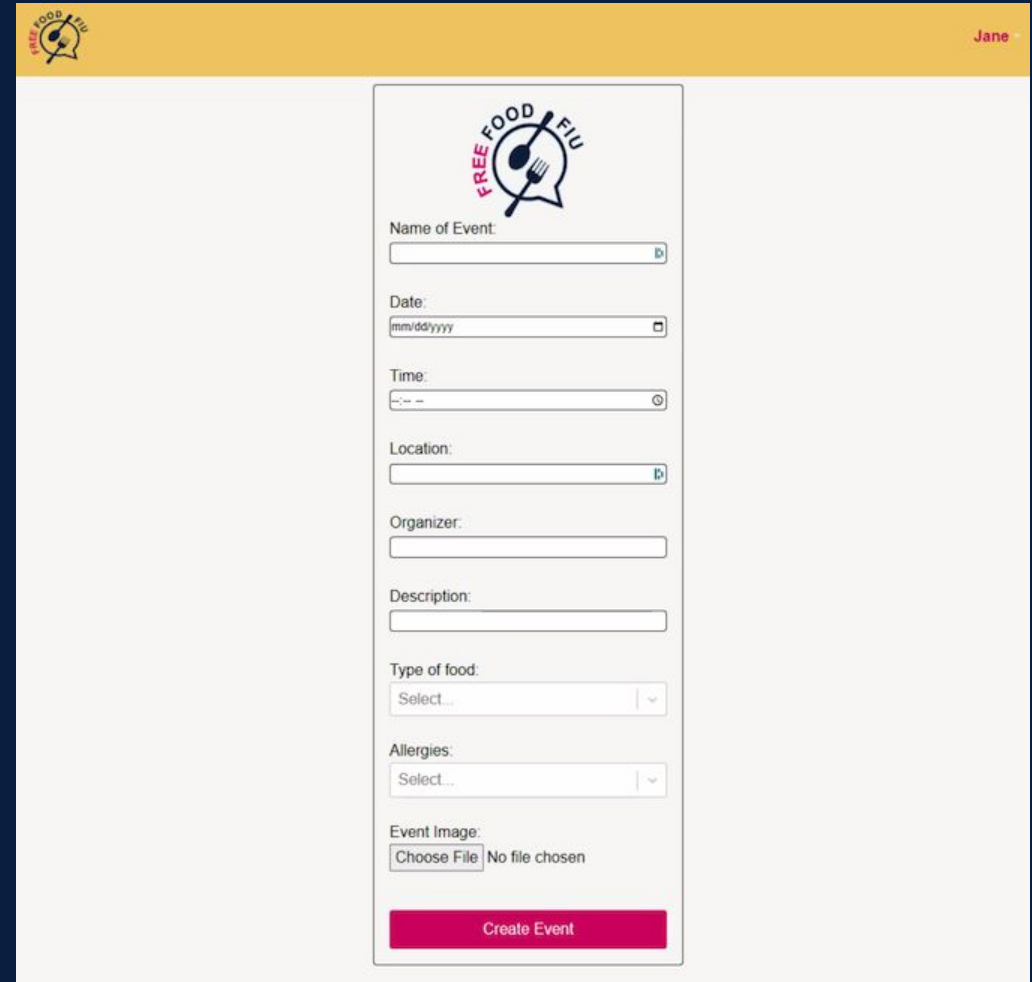
Feature – User Functionality

- User registration functionality.
- User profile page design and implementation.
- User dietary restrictions filtering feature.
- Password reset functionality.



Feature – Event Functionality

- Event creation page for organizers.
- Event search functionality based on location and food type.
- Event editing and cancellation for organizers.
- Event registration functionality for users.



The screenshot displays a web form for creating an event, titled 'FREE FOOD FIU' in the header. The form is set against a light gray background with a yellow header bar. The form fields are as follows:

- Name of Event:** A text input field with a small 'B' icon on the right.
- Date:** A date picker field showing 'mm/dd/yyyy'.
- Time:** A time picker field showing '-- --'.
- Location:** A text input field with a small 'B' icon on the right.
- Organizer:** A text input field.
- Description:** A text input field.
- Type of food:** A dropdown menu with 'Select...' as the placeholder.
- Allergies:** A dropdown menu with 'Select...' as the placeholder.
- Event Image:** A section with a 'Choose File' button and the text 'No file chosen'.
- Create Event:** A prominent pink button at the bottom of the form.

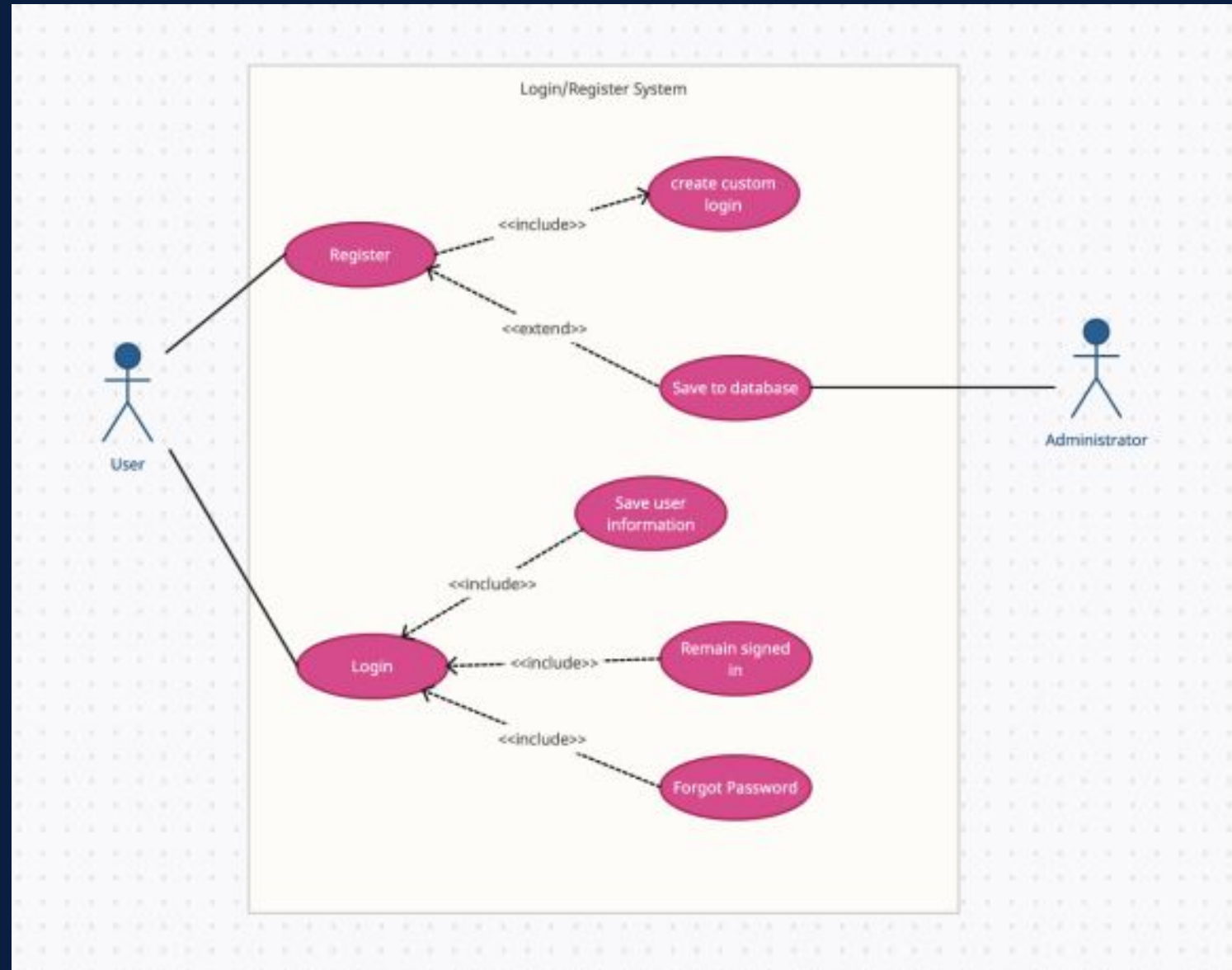
The top right of the page shows a user profile icon and the name 'Jane'.

Feature – Database

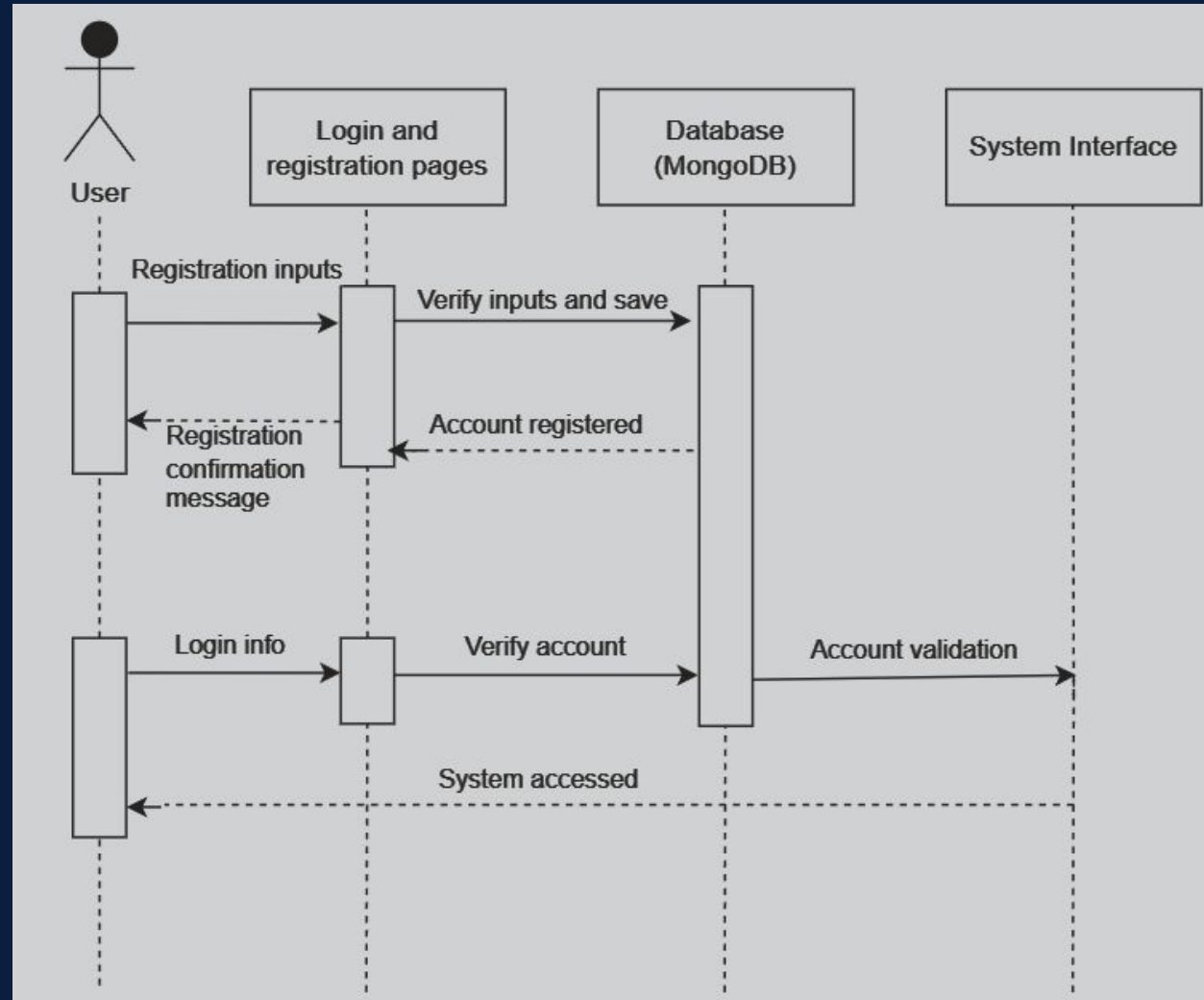
- Designing the database schema for user accounts and events.
- Creating collections for user information and event details.
- Establishing relationships between different entities in the database.
- Setting up database indexes for optimized search queries.



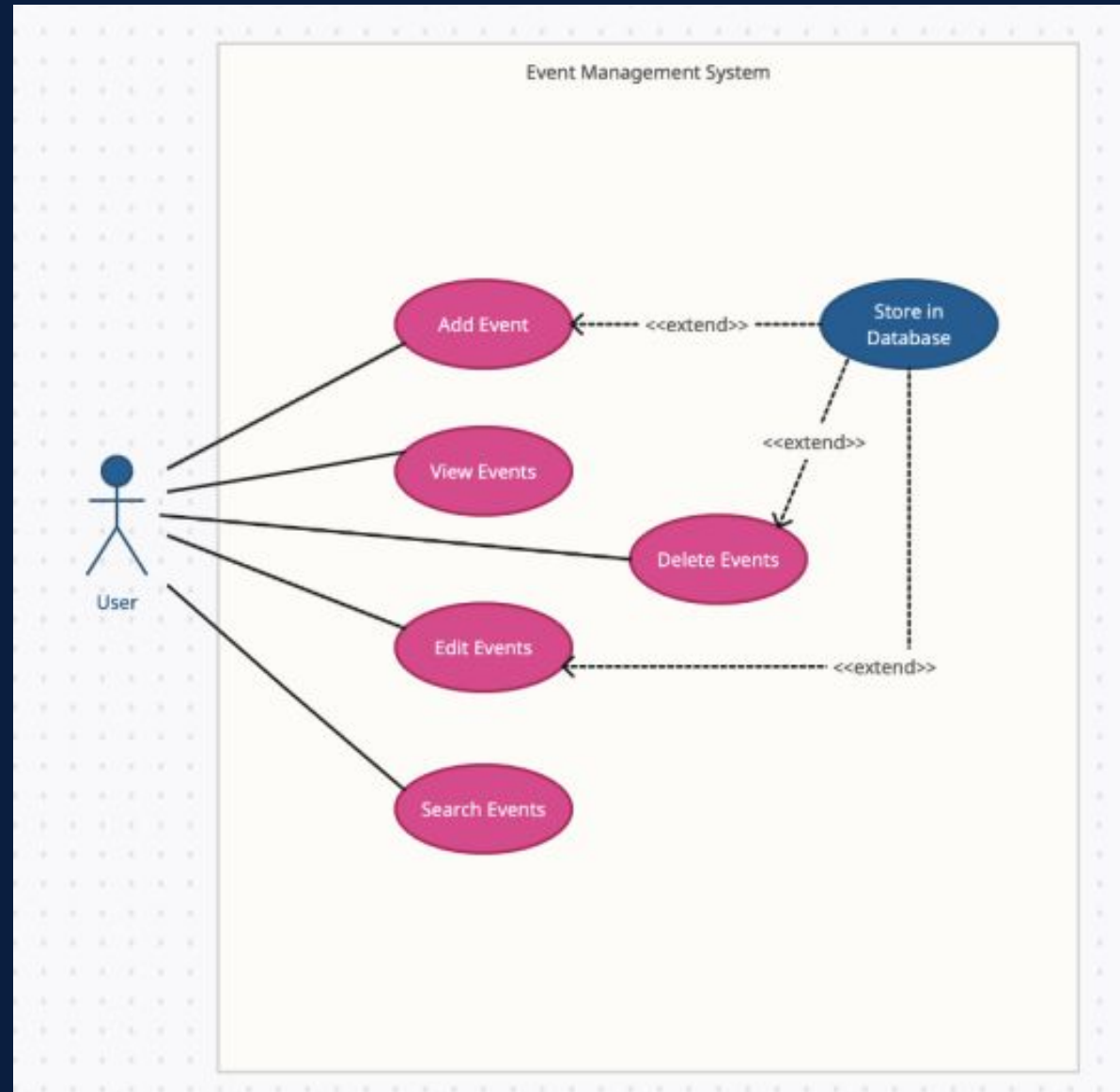
Use Case Diagram – Login / Register System



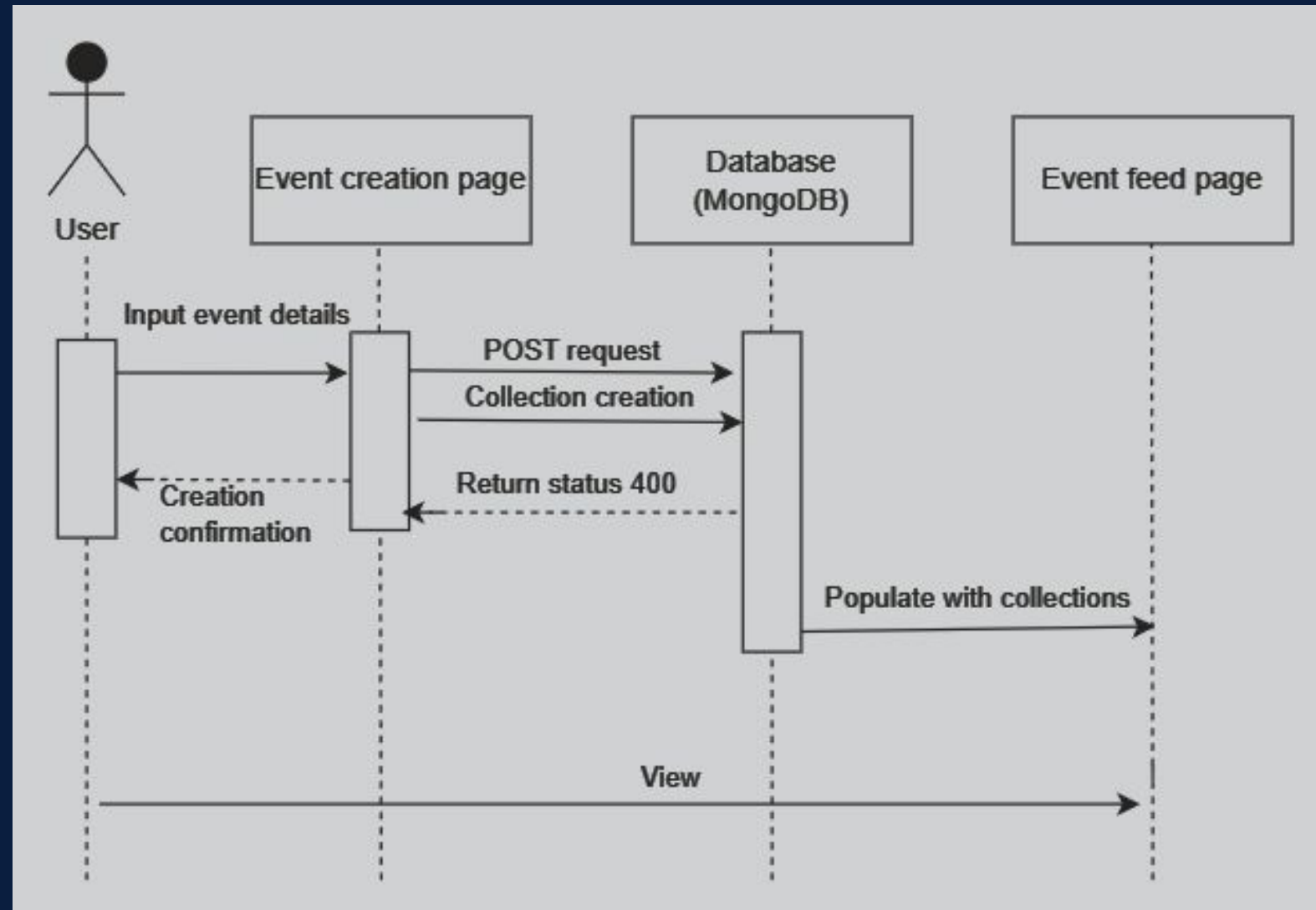
Sequence Diagram – Login and Registration



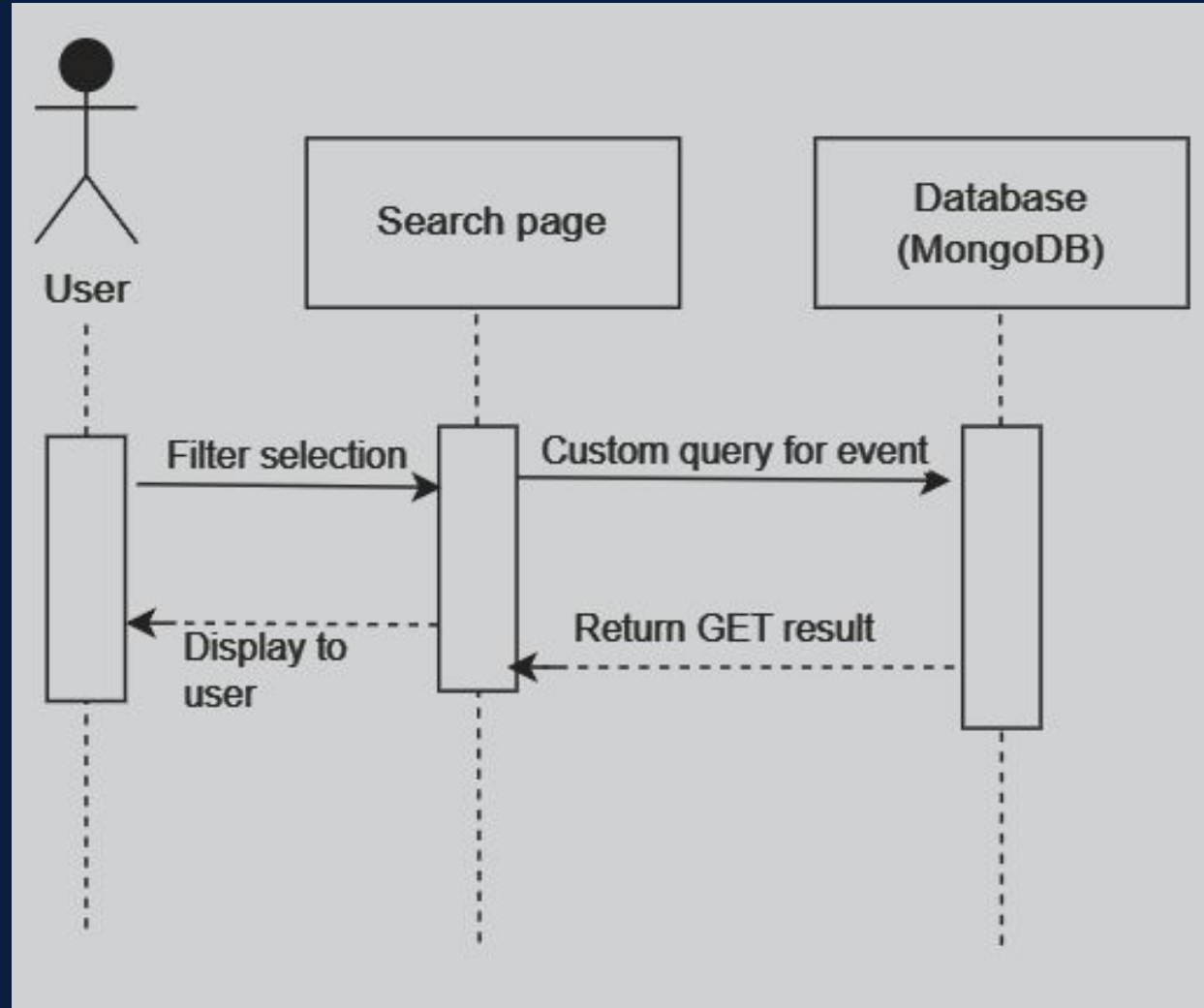
Use Case Diagram – Event Management



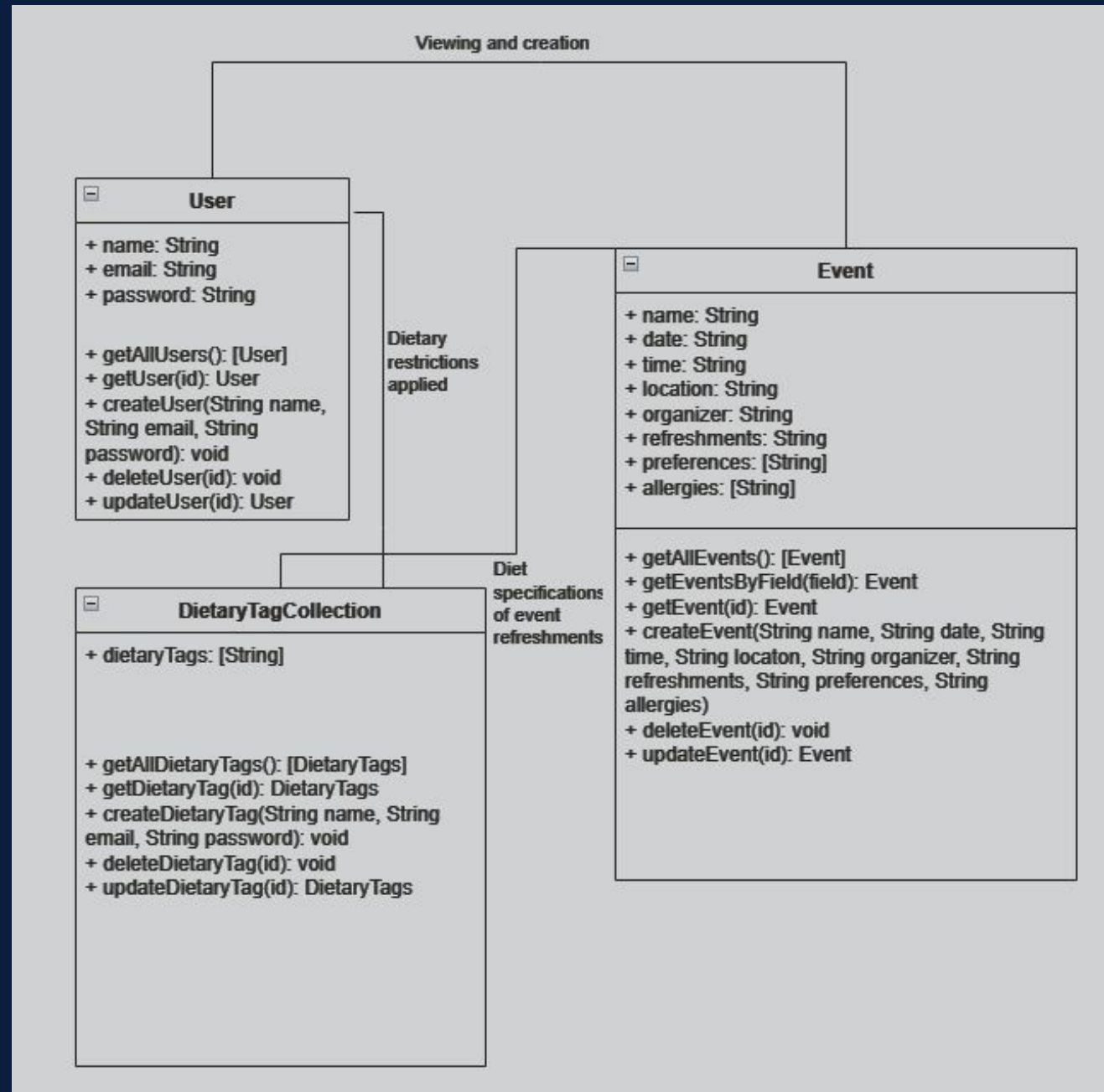
Sequence Diagram – Event Creation & Viewing



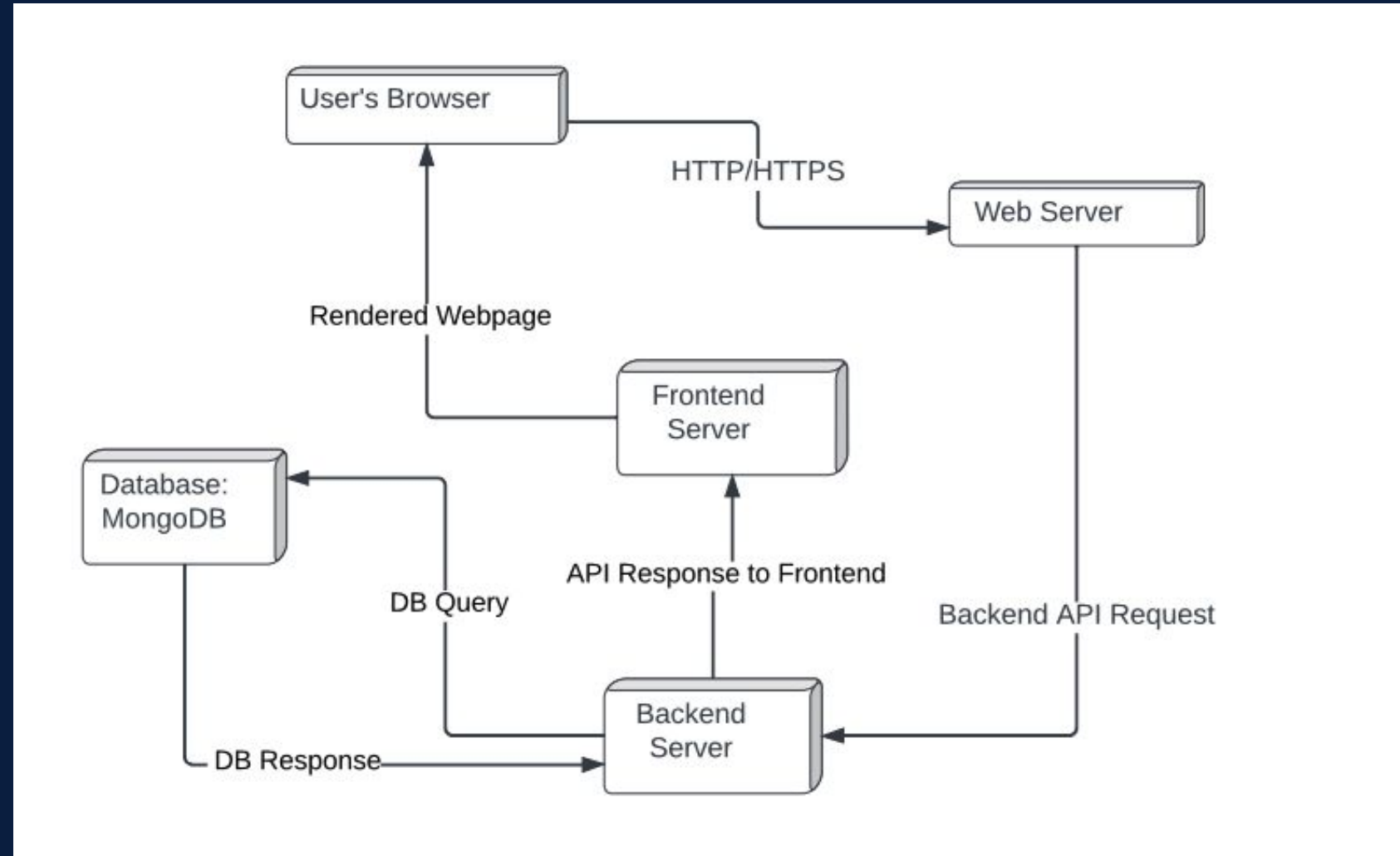
Sequence Diagram – Search Functionality



Class Diagram



Deployment Diagram



Summary

Free Food FIU aims to provide a simple and accessible platform for FIU students to receive knowledge on upcoming events throughout campus that will be providing foods to successfully reduce food waste and increase campus interactions.

If you have any further questions, you can contact our product owner via email.

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