

# **WEBDESIGN FINAL PROJECT**

**TOPIC :**

**MIDDLEWAY - A MEET-UP  
SUGGESTION PLATFORM**

**APRIL 17**

**INFO 6150 - Web  
Design and User  
Experience  
Engineering**

# OUR TEAM

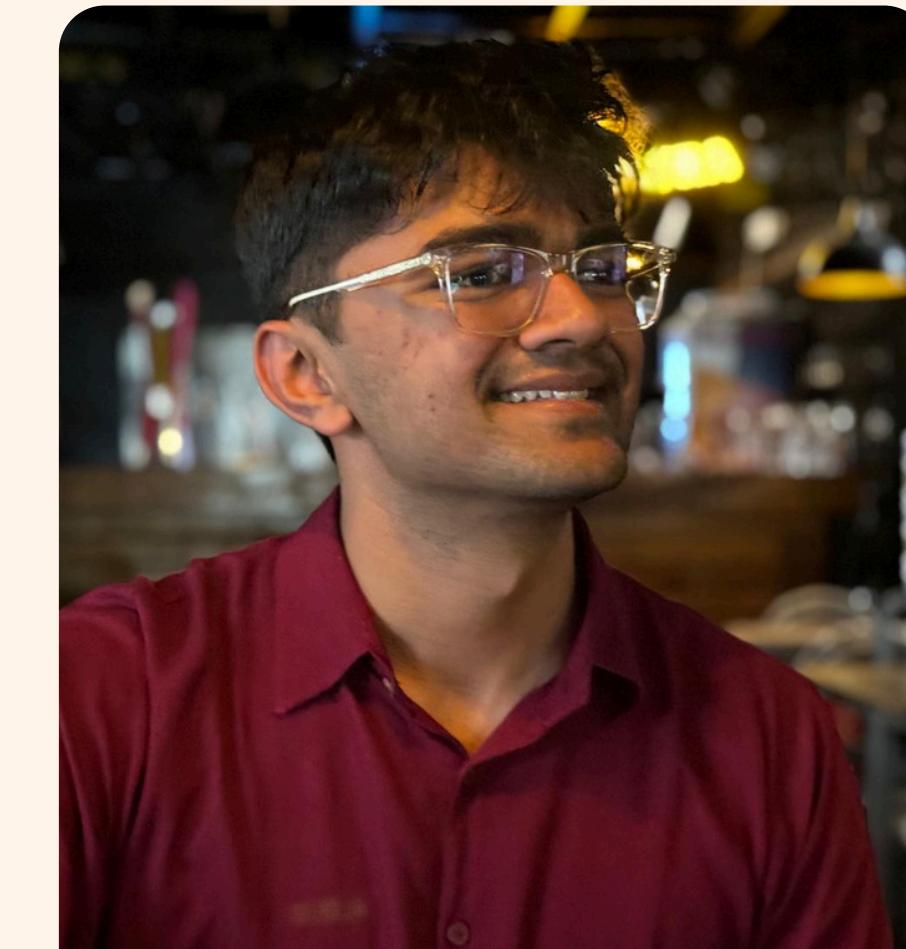
Bhavin



Aman



Kavin



Umang



# MIDDLEWAY – A SMARTER WAY TO MEET



In today's fast-paced, hyper-connected world, coordinating meet-ups—whether for casual get-togethers, business collaborations, or social events—can be surprisingly challenging. With people living in different parts of a city altogether, finding a convenient, mutually agreeable location often leads to friction and wasted time.

MiddleWay was developed to solve this exact problem. It is a web-based platform designed to suggest optimal meeting points between users based on their locations and preferences. Using location data and an integrated maps API, it identifies venues like restaurants or cafés that are roughly equidistant for all parties involved, making the process seamless and fair.

The platform not only streamlines logistics but also enhances the overall user experience by tailoring suggestions based on comfort zones and selected preferences. With a clean interface, real-time data, and user role management, MiddleWay offers a practical, easy-to-use solution for modern meet-ups.

# PROBLEM STATEMENT

Coordinating meet-ups between individuals in different locations can be time-consuming and inefficient. Most existing tools focus on navigation or discovery, but few offer a way to find a central, fair, and mutually convenient meeting point based on both distance and user preferences. This often leads to unequal travel efforts, last-minute changes, or dropped plans.

There is a growing need for a smart, location-aware system that simplifies the meet-up process. One that not only finds the geographic midpoint but also takes into account venue preferences, travel comfort zones, and personalized filters. The lack of such a solution presents an opportunity to fill a real-world gap with a practical web-based platform

# PROJECT OBJECTIVE

- Enables users to register and log in using a secure, role-based authentication system
- Allows users to input their location and preferences (e.g. type of venue)
- Utilizes a Maps API to calculate central locations based on input
- Suggests venues like restaurants that are equidistant and match preferences
- Offers a user-friendly interface and responsive design
- Supports version control and team collaboration through GitHub
- Is built with accessible, beginner-friendly technologies (React, Node, Express, MongoDB, Firebase)

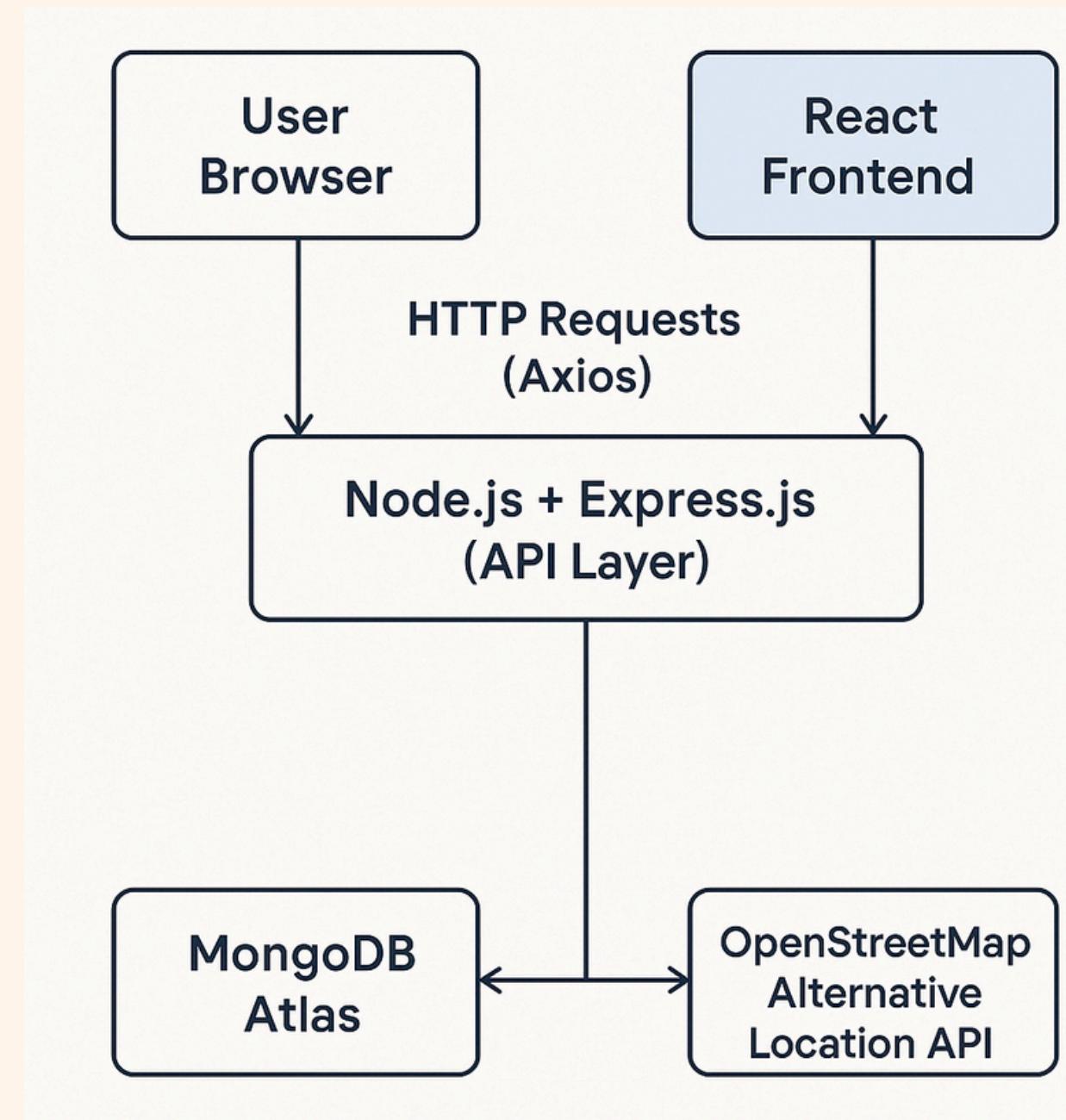
# PROPOSED SOLUTION

MiddleWay is a web platform that helps users find ideal meet-up spots by calculating a fair midpoint based on their locations and preferences. Users log in, enter their comfort radius and venue type, and the system suggests nearby places using a Maps API.

The platform supports:

- Role-based login (Regular, Admin, Moderator)
- Location and preference input
- Midpoint-based venue recommendations
- Interactive map display

# SYSTEM ARCHITECTURE



# IMPLEMENTATION PLAN

**REGULAR**

Normal user who will use the app

**MODERATOR**

Can see all user meetup details

**ADMIN**

Who can generate the moderator

MIDDLEWAY

About Contact Admin Panel Aman ▾

## Welcome to MiddleWay

Find the perfect meeting spot for you and your friends at Northeastern University!

Create New Meetup

**Title**

4/17/2025, 5:57:00 PM

**Suggested Restaurant:** Sunset Diner

**Location:** Suggested Midpoint

[View Details](#)

**Title**

4/17/2025, 3:52:00 AM

**Suggested Restaurant:** Tatte Bakery

**Location:** Suggested Midpoint

[View Details](#)

**Title**

4/17/2025, 4:04:00 AM

**Suggested Restaurant:** Common Grounds Cafe

**Location:** Suggested Midpoint

[View Details](#)

**Title**

4/17/2025, 5:44:00 AM

**Suggested Restaurant:** Central Bites Cafe

**Location:** Suggested Midpoint

[View Details](#)

**Title**

4/17/2025, 6:09:00 AM

**Suggested Restaurant:** Flour Bakery

**Location:**

[View Details](#)

**Title**

4/17/2025, 6:28:00 PM

**Suggested Restaurant:** Tatte Bakery

**Location:** Suggested Midpoint

[View Details](#)



**THANK  
YOU**