



PARSHWANATH CHARITABLE TRUST'S
A.P. SHAH INSTITUTE OF TECHNOLOGY
Department of Computer Science and Engineering
Data Science



Discuss Forum

Vidhi Madhavi	23107095
Sujal Kumthekar	23107118
Varunkumar Lysetti	23107101
Himanshu Kalwa	23107102

Project Guide
Mr. Praveen Shinde

1. Introduction

- A discussion forum is an online platform that allows individuals to engage in meaningful conversations, share ideas, ask questions, and provide feedback on a variety of topics.
- These platforms provide a collaborative space for knowledge sharing, community-building, and problem-solving.
- It will enable users to post topics, comment on discussions, and interact with other community members in an organized manner.

1. Introduction

- Problem Identified :

Difficulty in finding a centralized platform for meaningful discussions and knowledge sharing. Limited engagement opportunities for users seeking professional or community support. Inefficient search and organization of information in existing communication platforms.

- Solution Proposed :

Developing a user-friendly discussion forum that encourages active participation and knowledge exchange. Implementing features for content categorization, search, and private messaging to enhance user experience. Providing real-time notifications, engagement incentives, and analytics for better user interaction and content management.

2. Objectives

1. To provide a platform for sharing knowledge where users can exchange information, ideas, and expertise.
2. To foster community building by encouraging interaction and collaboration among like-minded individuals.
3. To assist in problem-solving by facilitating discussions that help users find solutions to queries or issues.
4. To create networking opportunities by connecting individuals with similar interests or professional goals.

3. Scope

- Can serve as a community support platform for individuals seeking technical, academic, or emotional assistance.
- Administration: Content moderation and user management.
- Future Expansion: Mobile app integration and AI-powered recommendations.

4. Feature /Functionality

- Users can create accounts and stay anonymous.
- Users can start new discussions, reply to existing threads, and organize content by topics.
- Users can search for specific discussions by filter by categories.
- Reports and blocks, and can make profiles kick from admins.

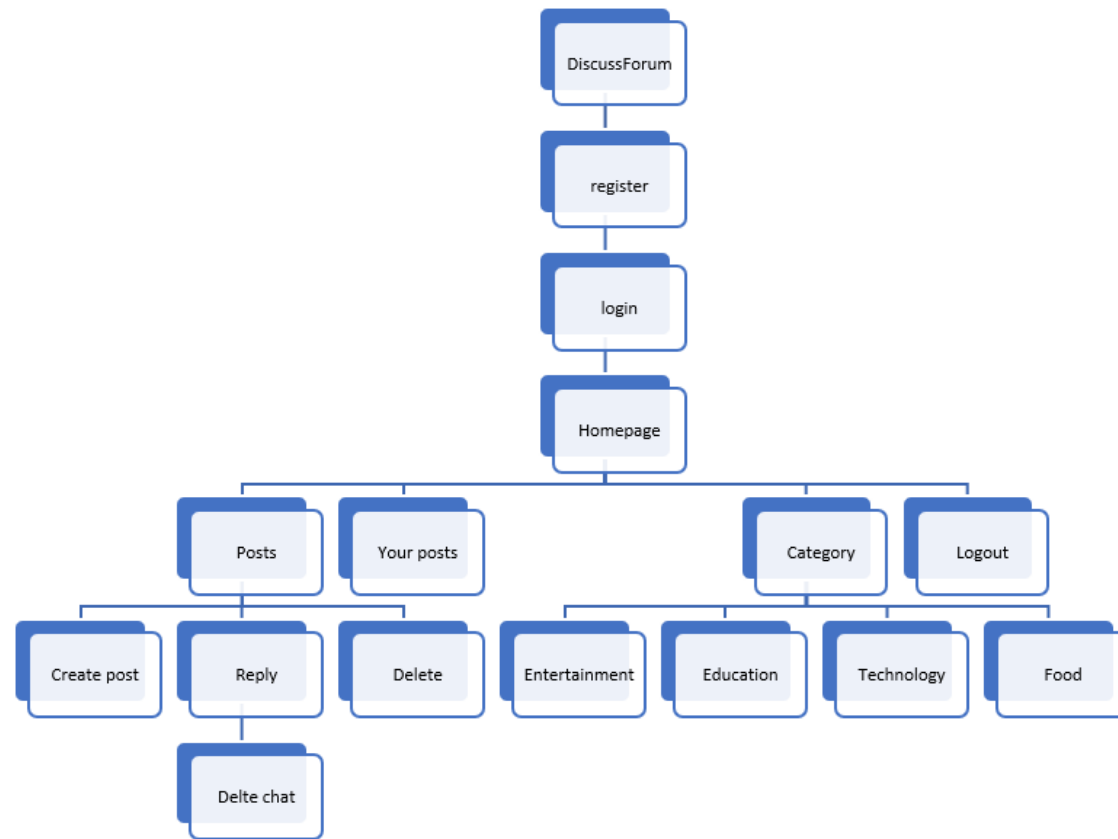
5. Outcome of Project

- Users can report, block, and manage privacy settings for a safer community environment.
- The platform fosters meaningful interactions, collaboration, and knowledge exchange.
- Users can actively participate in discussions by posting and responding to threads.

6. Technology Stack

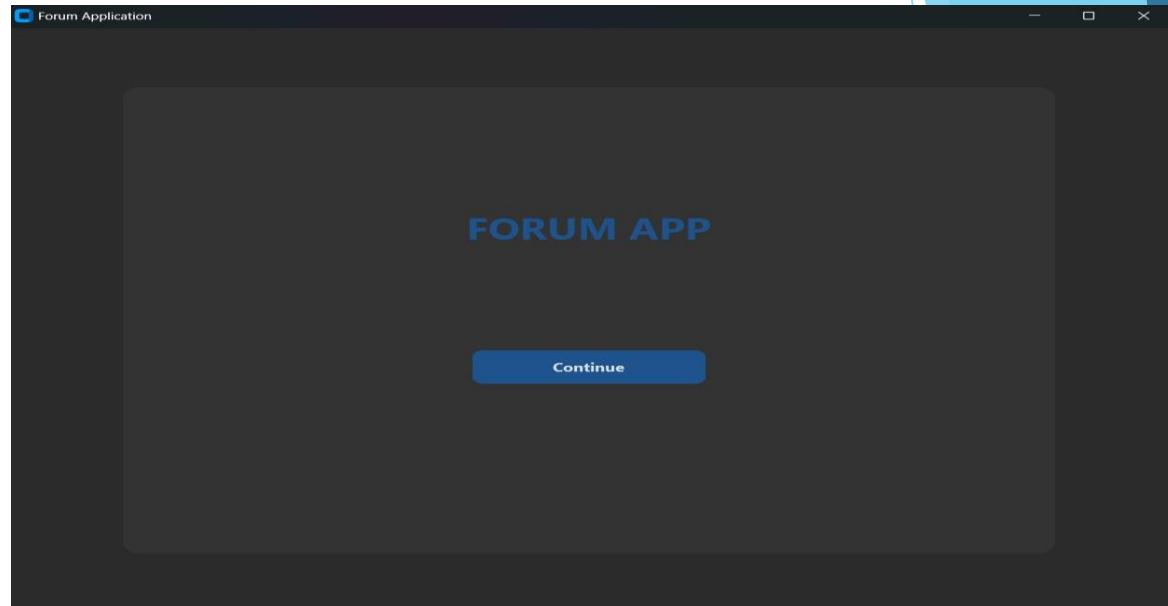
1. Main programming language: Python
2. Frontend:
 - Tkinter: Python library used to make GUIs. .
3. Backend and database: MySQL and Python.

7. Block Diagram

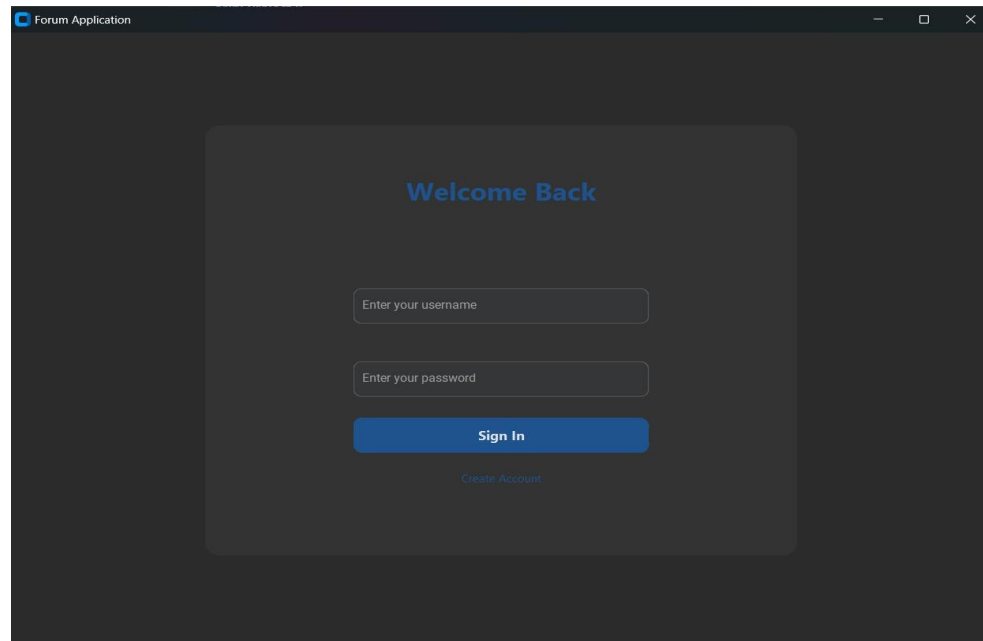


8. Output

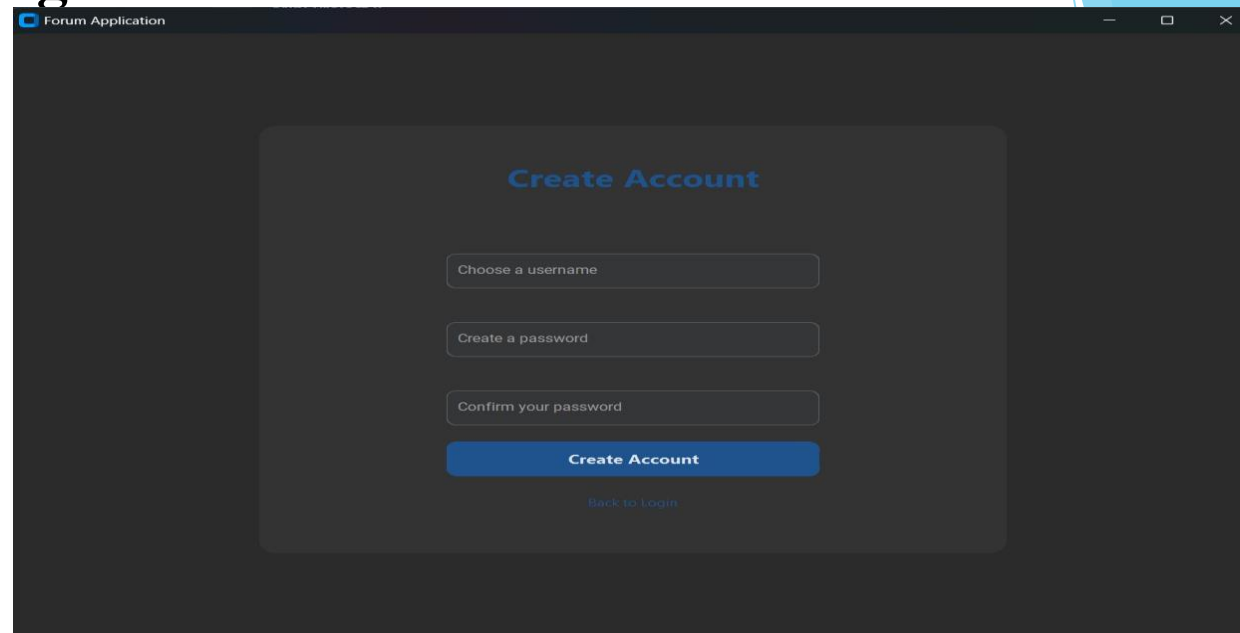
Starting page:



Login-welcome page:

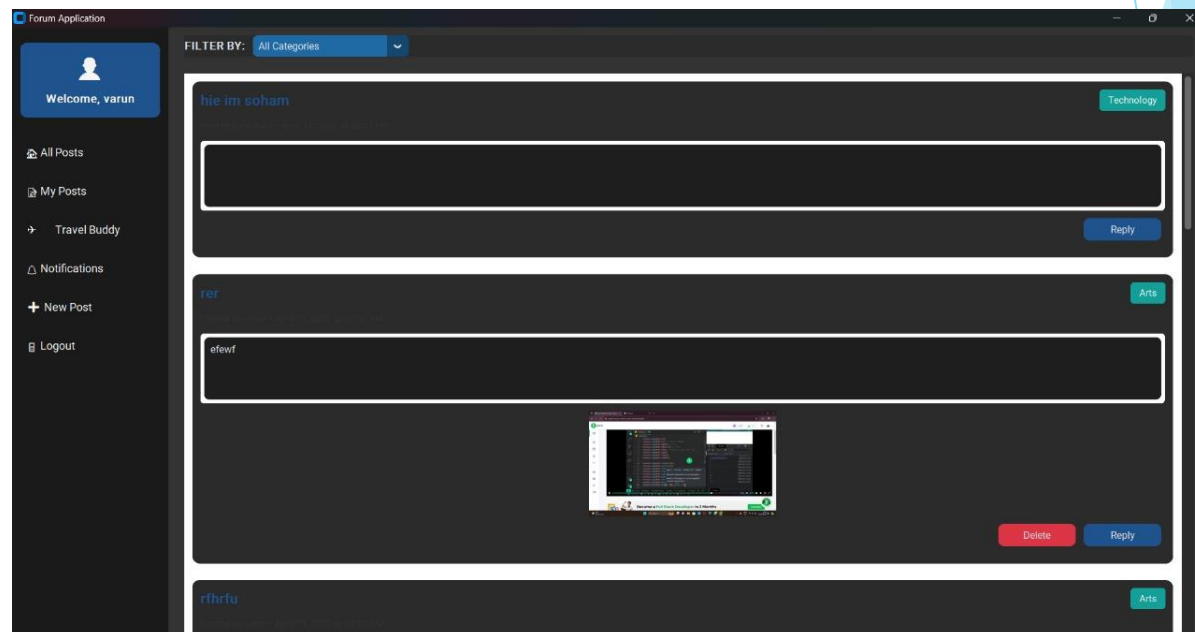


Registration page:



The screenshot shows a web browser window titled "Forum Application". The main content area is dark gray and features a "Create Account" form. The form has three input fields: "Choose a username", "Create a password", and "Confirm your password". Below these fields is a blue "Create Account" button. At the bottom of the form, there is a link that says "Back to Login".

Home page:



The screenshot shows a web browser window titled "Forum Application". The page has a dark theme. On the left side, there is a sidebar with a user profile section showing a welcome message "Welcome, varun" and a list of navigation links: "All Posts", "My Posts", "Travel Buddy", "Notifications", "New Post", and "Logout". The main content area is titled "FILTER BY: All Categories" and displays a list of forum posts. Each post has a title, a category tag (e.g., "Technology", "Arts"), a text input field for a reply, and a "Reply" button. The first post is by "hie im soham" in the "Technology" category. The second post is by "er" in the "Arts" category and includes a screenshot of a terminal window. The third post is by "rhrtu" in the "Arts" category. At the bottom of each post, there are "Delete" and "Reply" buttons.

Create new post page:

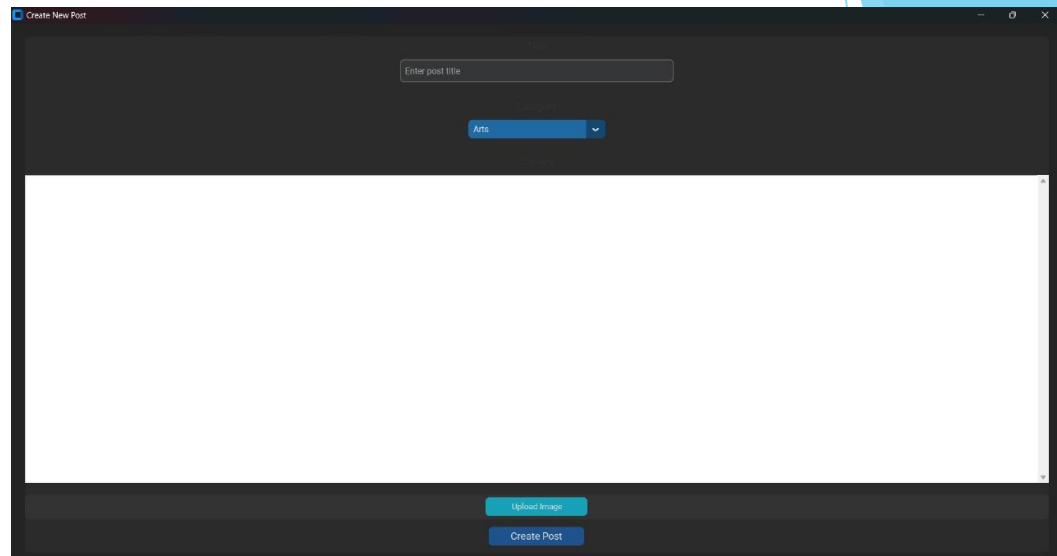
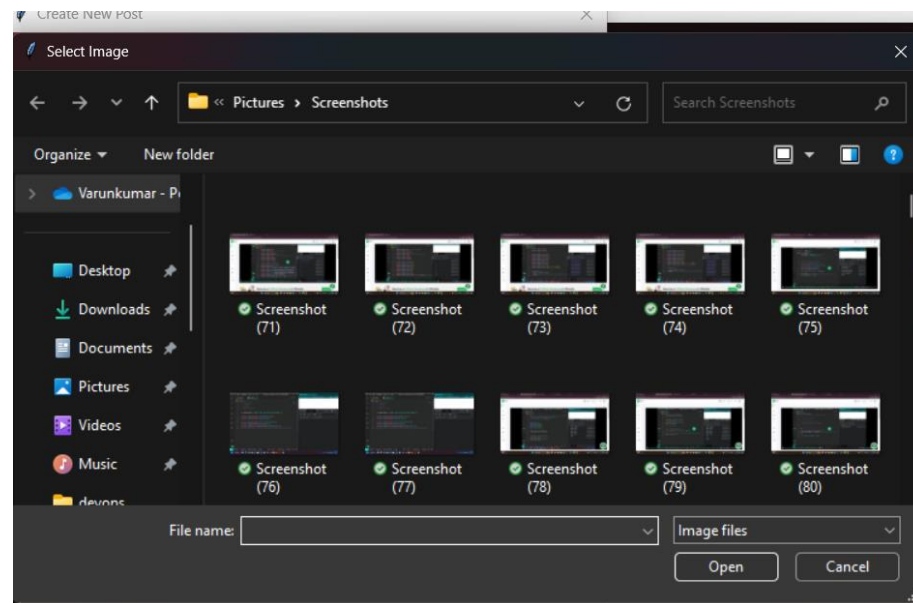
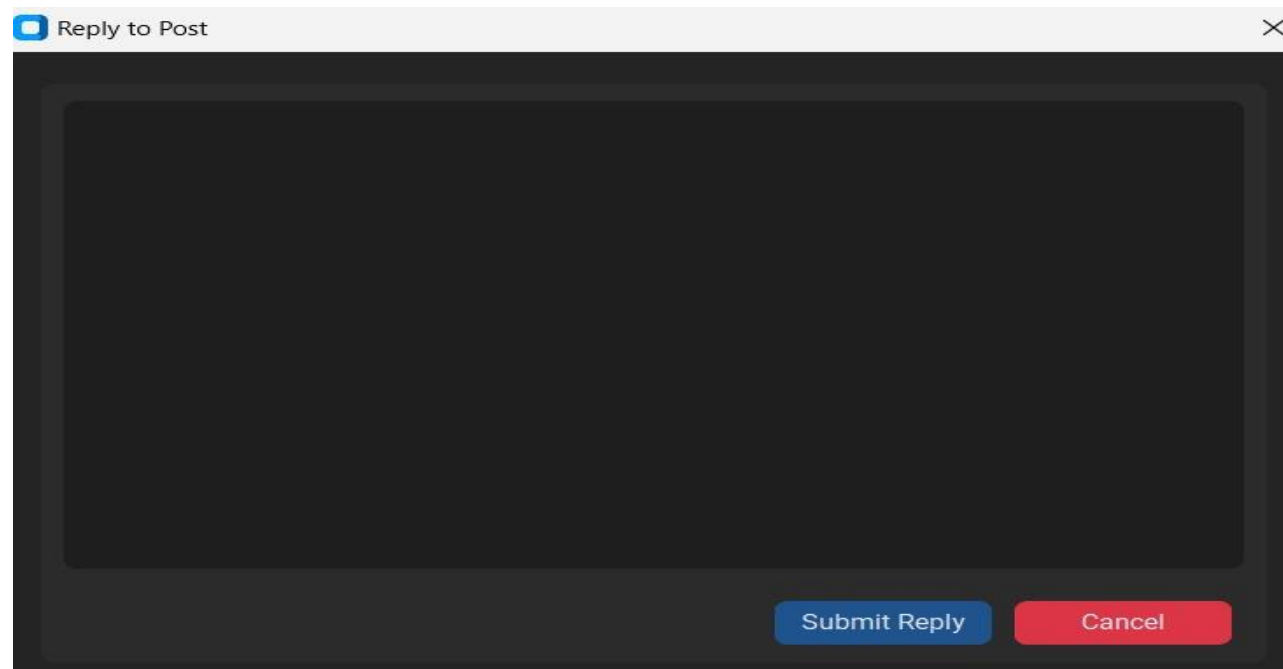


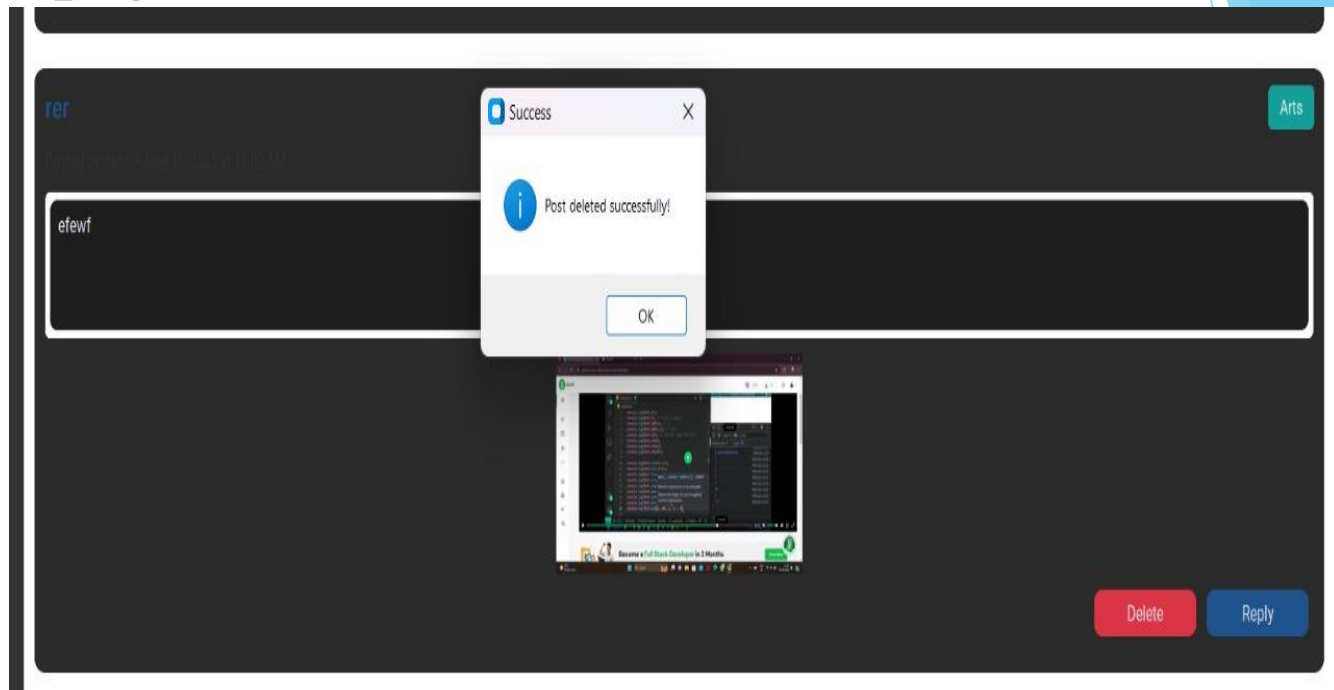
Image upload page:



Reply and chats page:



Delete post page:



Travel buddy create Trip page:

The screenshot shows the 'Create a New Travel Plan' page in the Travel Buddy application. The page has a dark theme with a blue header. The header includes the 'Travel Buddy' logo and a 'Back to Forum' button. Below the header, there are three tabs: 'Find Travel Buddies', 'Create Travel Plan' (which is active), and 'My Travel Plans'. The main content area is titled 'Create a New Travel Plan' and contains a form with the following fields:

- Destination: A text input field with the placeholder 'Enter destination city/country'.
- Start Date: A date input field with the placeholder 'YYYY-MM-DD'.
- End Date: A date input field with the placeholder 'YYYY-MM-DD'.
- Description: A large text area for entering the trip details.
- Max Travelers: A dropdown menu currently set to '2'.

A 'Create Travel Plan' button is located at the bottom right of the form.

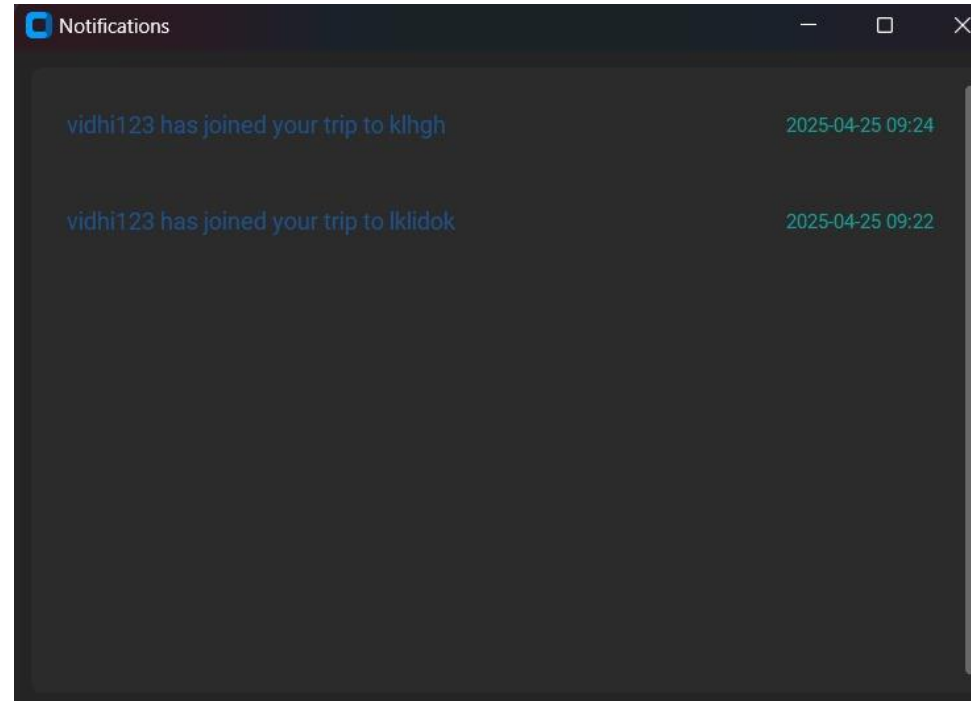
Find Trip Page:

The screenshot shows the 'Find Trip Page' in the Travel Buddy application. The page has a dark theme with a blue header. The header includes the 'Travel Buddy' logo and a 'Back to Forum' button. Below the header, there are three tabs: 'Find Travel Buddies' (which is active), 'Create Travel Plan', and 'My Travel Plans'. The main content area is titled 'Find Trip Page' and contains a search form with the following fields:

- Destination: A dropdown menu currently set to 'All Destinations'.
- Date Range: A dropdown menu currently set to 'All Dates'.
- Search: A button to initiate the search.

Below the search form, there is a list of trips. The first trip is titled 'manali' and has a date range of '2025-05-31 - 2025-06-06'. It includes a 'Refresh' button and a 'Join Trip' button. The second trip is titled 'joiu' and has a date range of '2025-05-31 - 2025-06-06'.

Notification :



9. References

1. **MySQL 8.0 Reference Manual**

<https://dev.mysql.com/doc>

2. **Flask Documentation**

<https://flask.palletsprojects.com/en/stable/>

3. **Tkinter 8.5 Reference: A GUI for Python**

<https://docs.python.org/3/library/tkinter.html>

4. **Youtube**

5. **Geeksforgeek**

Thank You...!!