Summer Internship Training Plan –2024
(Virtual Community Support)

Day 1: Introduction to PostgreSQL

- Learn basics of SQL, set up PostgreSQL database, and Database Schema CI platform.
- **Hands-on:** Able to create, insert, Update, Delete and sub-query data in PostgreSQL.

Day 2: Introduction to Angular

- Explore Angular overview, build a basic application, and integrate basic Angular functionalities.
- **Hands-on:** Create a simple Angular application with forms and components.

Day 3: Introduction to .NET

- Introduction to .NET and web API. Understand Swagger.
- Understand N-tier Repository pattern folder structure and Entity Framework (EF).
- Understanding of LINQ.
- Understanding of Code First Approach.
- **Hands-on:** Familiarize with .NET project structure and EF.
- Build a login API and understand how to write LINQ queries with Code First Approach.

Day 4: Understand Authentication and Authorization :Role based Authorization (Admin and User roles)

- Explore authentication and authorization concepts and implementation in the project.

- Hands on authentication concepts, Role-Based Access Control, and Access Control Lists (ACLs).
- **Hands-on:** Understand and implement project authorization (Virtual Community Support).
- Login Page. Learned and implemented role-based access control.

Day 5: User Retrieval and User CRUD

- Data retrieval using joins in the LINQ Query, Sorting, filtering and paging
- Begin CRUD operations on the mission table (Retrieve and Insert).
- Continue CRUD operations on mission records (Update and Delete).
- **Hands-on:** Data retrieval, data filtration, insertion, update, and deletion.
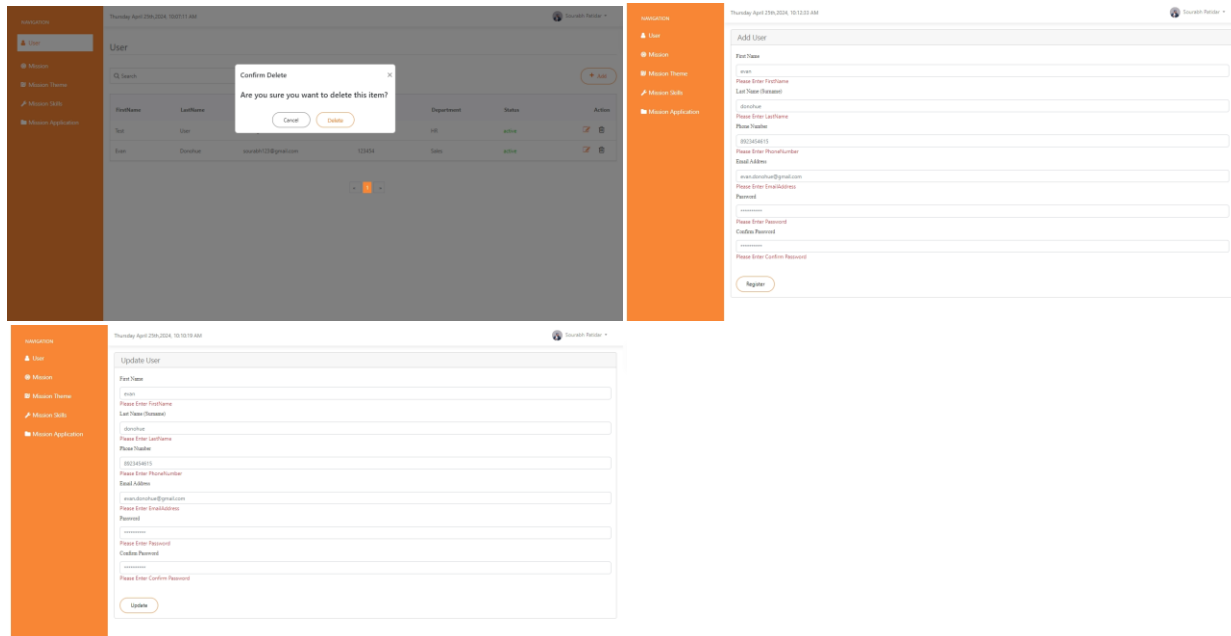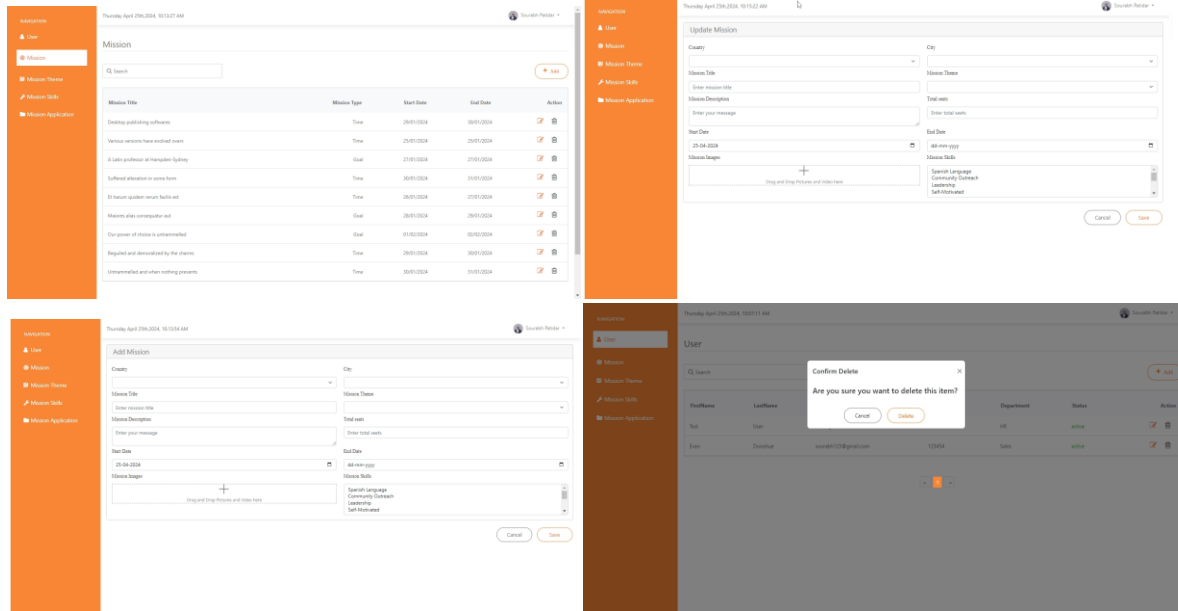
# Day 6: Mission CRUD and Theme CRUD

- Begin CRUD operations on the mission theme table (Retrieve and Insert).
- Continue CRUD operations on mission theme records (Update and Delete).
- **Hands-on:** Data retrieval, data filtration, insertion, update, and deletion
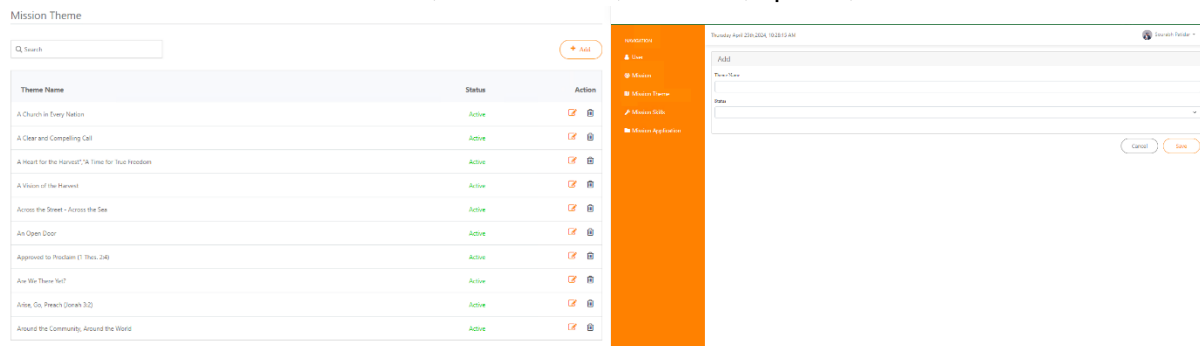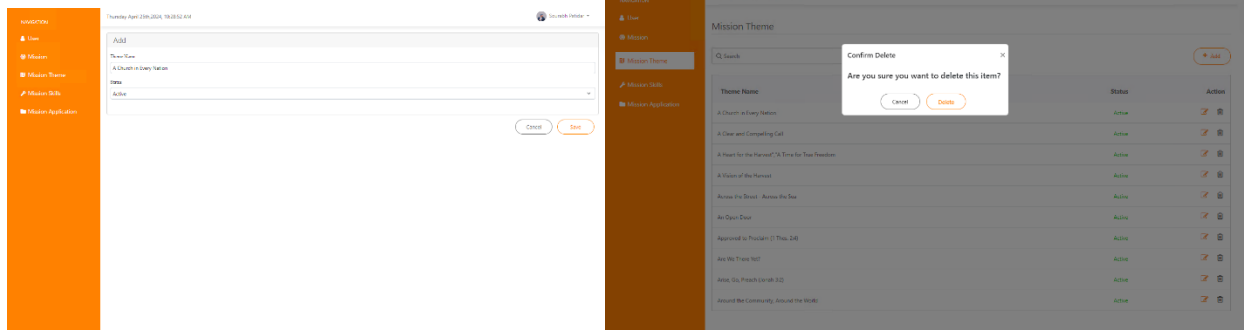
Day 7: Mission Skill CRUD and Mission Listing User Side

- Begin CRUD operations on the mission Skill table (Retrieve and Insert).
- Continued CRUD operations on mission Skill records (Update and Delete).
- Retrieve and display mission records from the table.
- **Hands-on:** Data retrieval, data filtration, insertion, update, and deletion
- To display mission data on the user side.
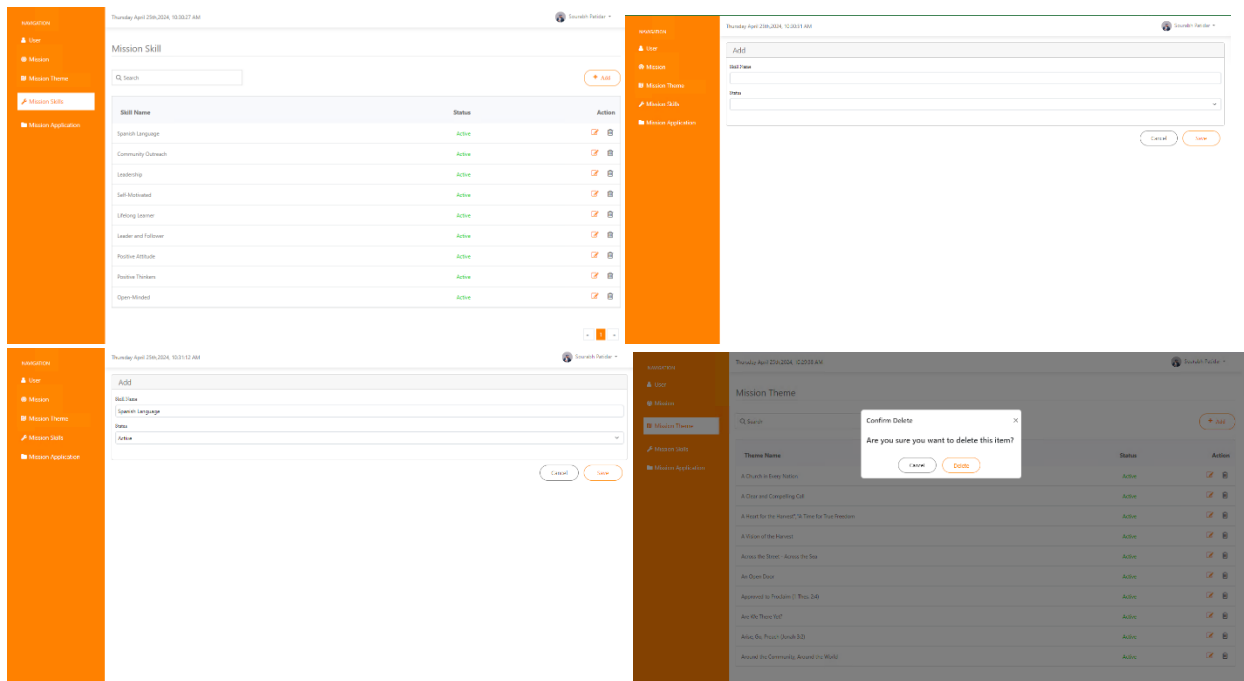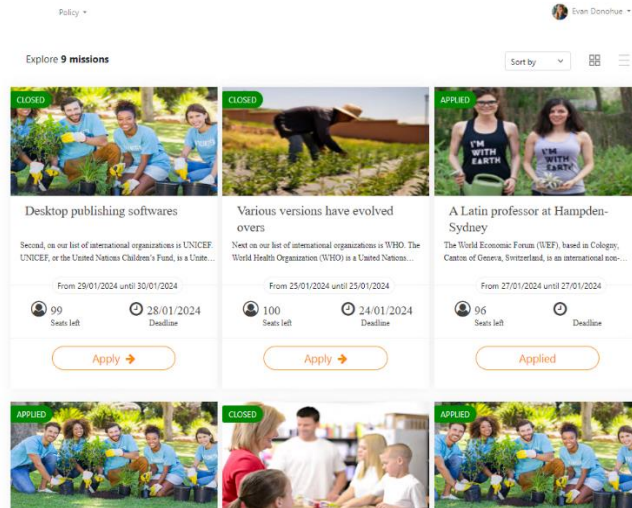
Day 8: Mission Apply, Mission Application CRUD (Apply mission List through user)

- Develop an API to facilitate mission applications.
- Complete CRUD operations on mission application records.
- Create search API for mission applications.
- **Hands-on:** Implement a few functionalities to apply for missions.
  Retrieval of applied missions, data filtration, insertion, and deletion.

Day 9: My Profile Page and Deployment

- My Profile Page
- Explore configuring deployment environments and strategies.
- **Hands-on:** Create My Profile Page and Prepare for project deployment using various strategies.

Evan Donohue
Change Password

Basic Information

Name*
Evan

Surname*
Donohue

Employee ID
123454

Manager
Manager

Title
Demo

Department
Sales

My Profile*
sdf

Day 10: AWS Session

- AWS services and deployment
- **Hands-on:** Expand knowledge to include AWS services and deployment.