

Spiritual Deval User Manual

Introduction

The Dada Dev Deval Temple Website is designed to facilitate temple activities by providing a digital platform for event management, donations, and volunteer coordination. This guide will help developers, administrators, and users navigate the setup and deployment process.

Key Features of this site include:

General Users

- **Event Registration:** Browse and sign up for upcoming temple events.
- **Volunteer Management:** Register for volunteer opportunities and subscribe for updates.
- **Information Pages:** Access temple details through the About and Volunteer pages.
- **Donations:** Placeholder for future donation functionality.
- **User Authentication:** Create an account and log in to access event and volunteer features.

Admin Users

- **Admin Dashboard:** View event registrations and volunteer lists.
- **Event Management:** Create and publish events.
- **User Role Management:** Promote regular users to admin status.
- **Communication Tools:** Send email updates to volunteers subscribed for notifications.

Getting Started (Installation and Setup)

For detailed setup instructions, refer to the Deployment Checklist section. In summary:

- Set up AWS infrastructure – Create an EC2x instance and an RDS MySQL database.
- Edit appsettings.json with your MySQL connection string.
- Enable volunteer email updates – Edit Mail.razor with your Gmail address and Gmail account App Password.
- Deploy the application – Publish the Blazor project, transfer files to EC2, apply migrations, and start the app.
- Automate with systemd – Configure the service to run persistently.

For step-by-step commands, see the Deployment Instructions, which goes into detail about setting up the database and EC2, and running and deploying the project.

Prerequisites

Ensure you have the following installed:

- Visual Studio Code – Development environment
- .NET SDK – Required for Blazor development
- MySQL Workbench – Database management tool
- Git – Required for cloning and managing the project repository
- AWS Account – For hosting the application

Using The Software

Admin Features

- The first registered user is assigned Admin privileges.
- Admins can:
 - Create and manage events
 - View registered users
 - Promote other users to Admin roles
 - Send volunteer email updates to volunteers who subscribed for them

For usage instructions on these features, see Figures 2, 7, 8 and 9.

General User Features

• Event Participation

- Browse upcoming events on the homepage.
- Register for events or volunteer opportunities.

• Volunteer Management

- Sign up to volunteer for events.
- Subscribe for updates on future volunteer opportunities.

• Account Management

- Create an account to access event and volunteer features.
- Log in and manage profile details.

• Temple Information

- View temple details on the About Page.
- Learn how to get involved through the Volunteer Page.

• Future Donation Features (Placeholder)

- Dedicated Donation Page for online contributions.

For usage instructions of these features, see Figures 1, 3, 6, 10, and 11

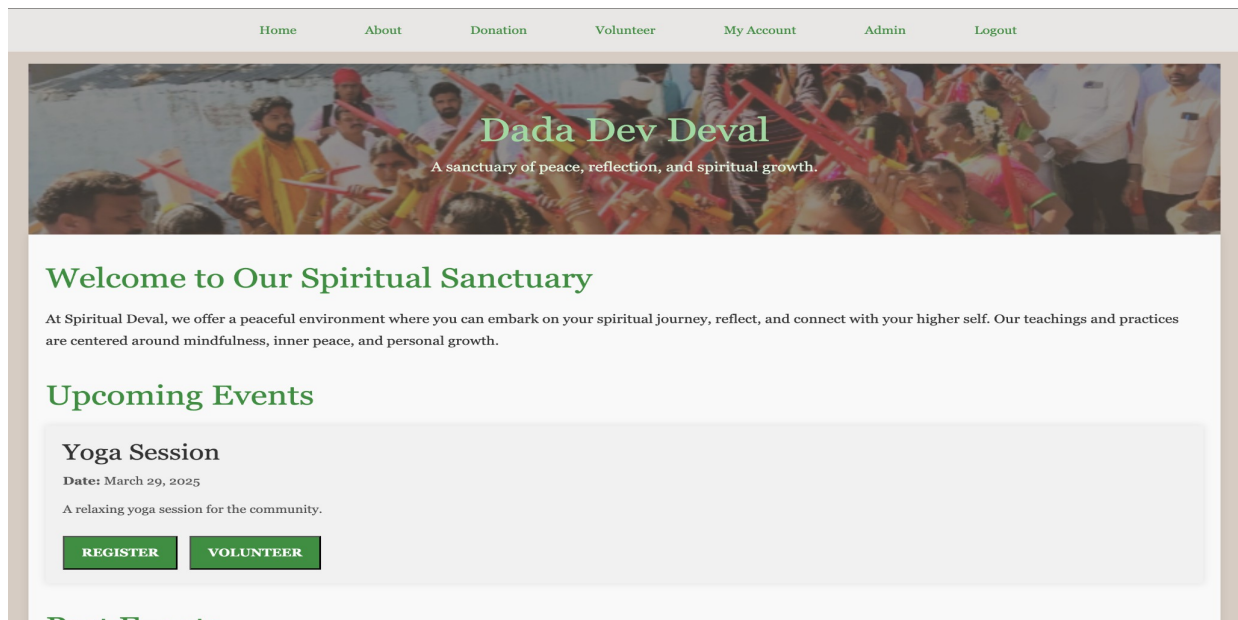
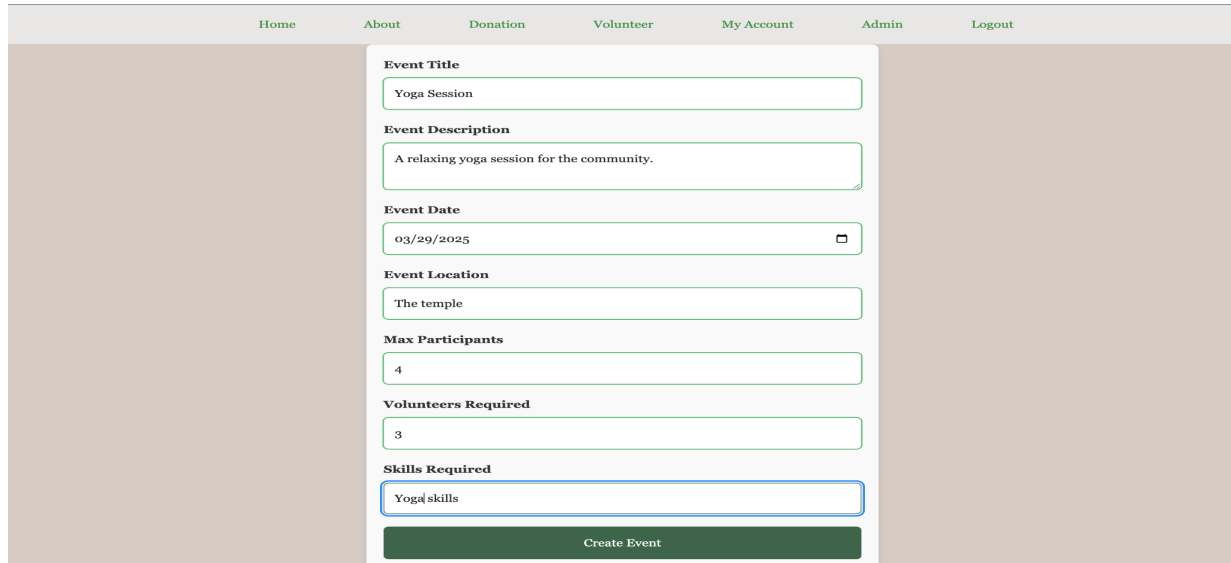
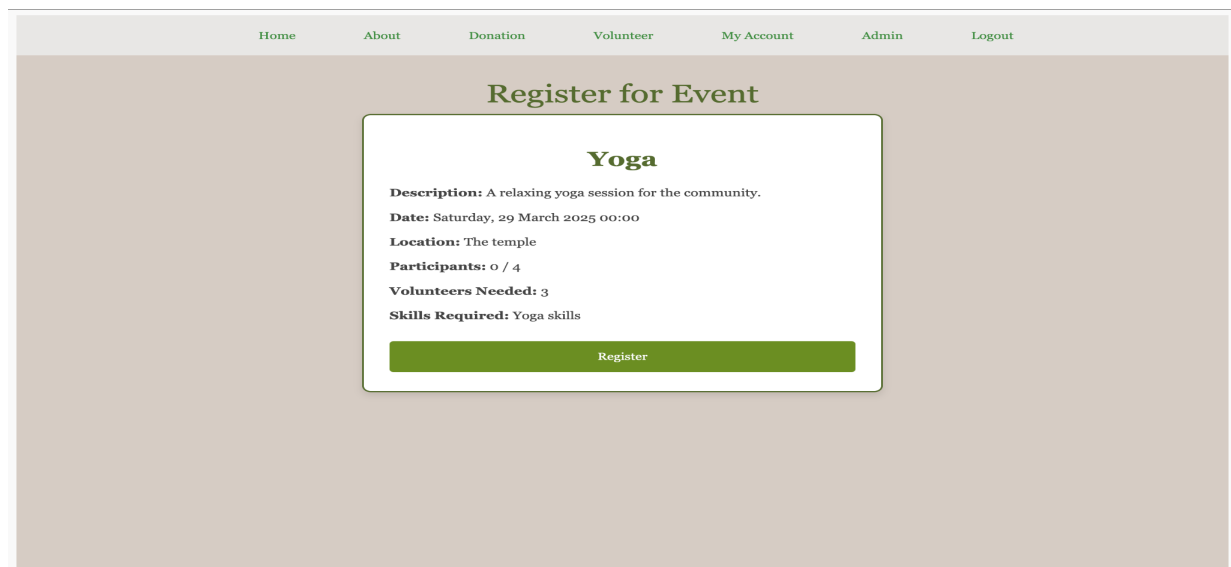


Figure 1. Home Page - The home page features a navigation bar that allows users to explore different sections of the website. It provides a brief introduction to the temple, highlights upcoming events, and offers options to register or volunteer directly. Additionally, users can view past events for reference.



The image shows a web application interface for creating an event. At the top, there is a navigation bar with links: Home, About, Donation, Volunteer, My Account, Admin, and Logout. The main content area is a form titled 'Event Title' with a text input field containing 'Yoga Session'. Below this is a text area for 'Event Description' containing 'A relaxing yoga session for the community.'. The 'Event Date' field shows '03/29/2025' with a calendar icon. The 'Event Location' field contains 'The temple'. The 'Max Participants' field shows '4'. The 'Volunteers Required' field shows '3'. The 'Skills Required' field contains 'Yoga skills'. At the bottom of the form is a green button labeled 'Create Event'.

Figure 2. Admin Event Creation - This page is accessible only to administrators and serves as an event creation form. Admins can input details such as the event title, description, date, location, required volunteers, and necessary skills for the event.



The image shows a web application interface for event registration. At the top, there is a navigation bar with links: Home, About, Donation, Volunteer, My Account, Admin, and Logout. The main content area is a registration form titled 'Register for Event'. The form displays the event details: 'Yoga' as the event name, 'Description: A relaxing yoga session for the community.', 'Date: Saturday, 29 March 2025 00:00', 'Location: The temple', 'Participants: 0 / 4', 'Volunteers Needed: 3', and 'Skills Required: Yoga skills'. At the bottom of the form is a green button labeled 'Register'.

Figure 3. Event Registration - The event registration page allows users to sign up for a specific event. It provides key details, including the event description, date, location, maximum number of participants, and the number of volunteers needed.

[Home](#)[About](#)[Donation](#)[Volunteer](#)[My Account](#)[Admin](#)[Logout](#)

Volunteer for Event

Volunteer

Description: A relaxing yoga session for the community.

Date: Saturday, 29 March 2025 00:00

Location: The temple

Volunteers Needed: 0 / 3

Skills Required: Yoga skills

Skills Provided (optional):

Knows yoga poses.

Register as Volunteer

Subscribe for Updates

Figure 4. Volunteer Registration - This page enables volunteers to sign up for available opportunities. It includes key details such as the event description, location, number of volunteers needed, and required skills.

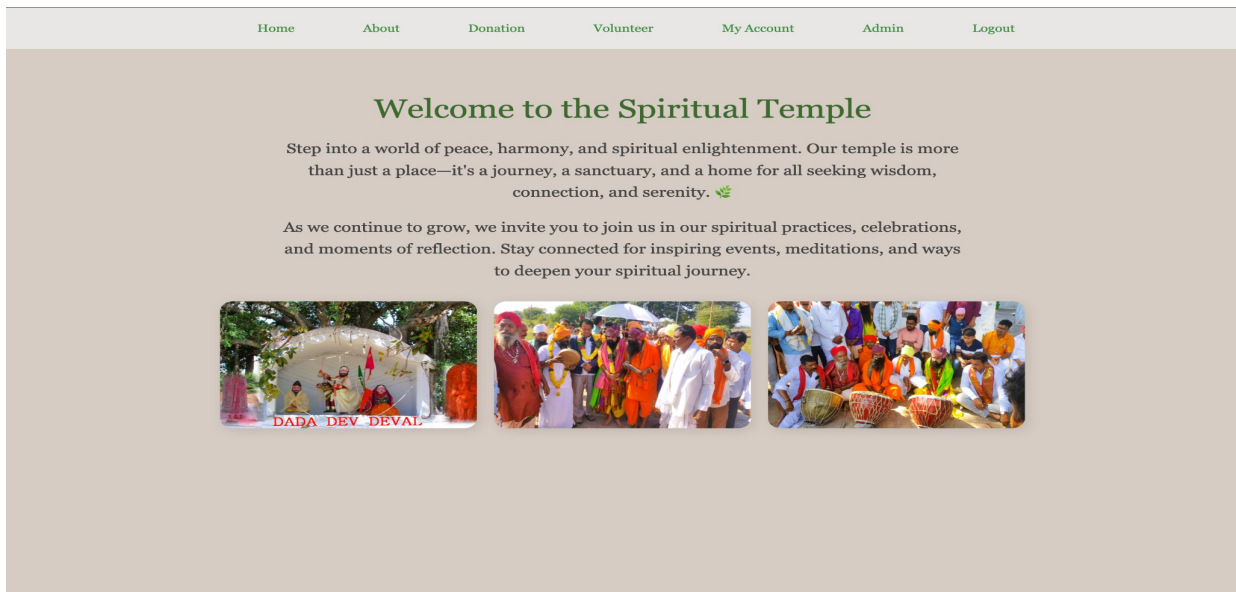


Figure 5. About Page - The About page highlights the temple's mission and values. It also features images of temple members, offering a glimpse into the community and its activities.

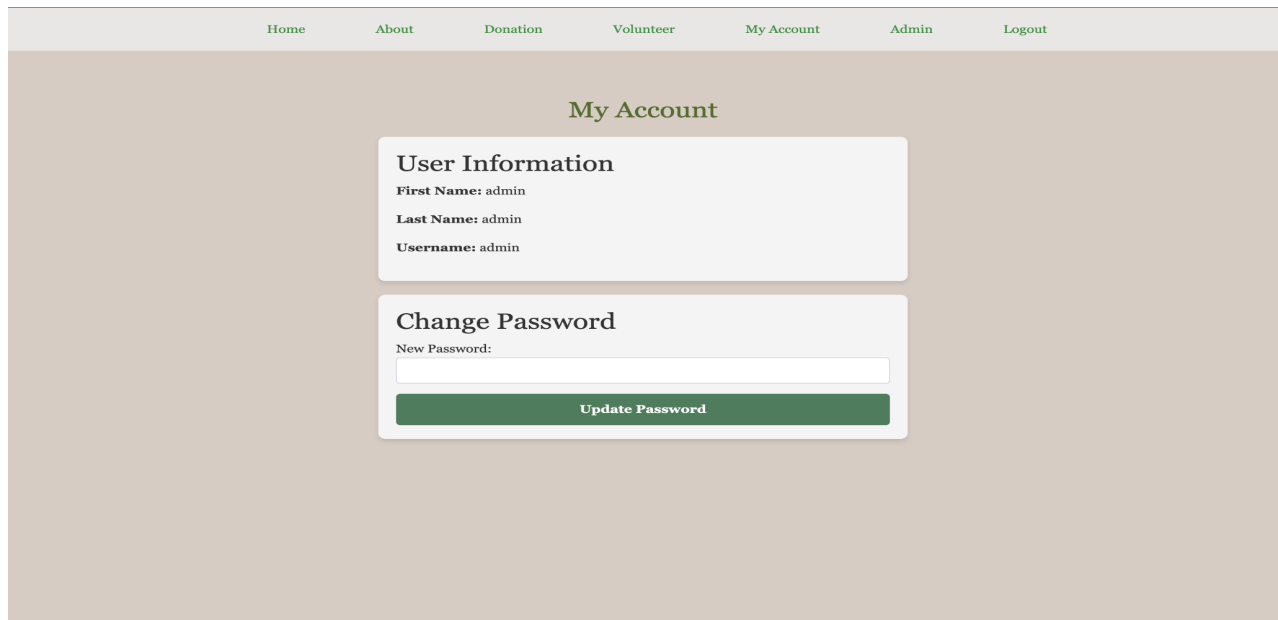


Figure 6. My Account - The My Account page provides users with a personal dashboard where they can view their account details, including their name and username. It also allows them to update their password for security.

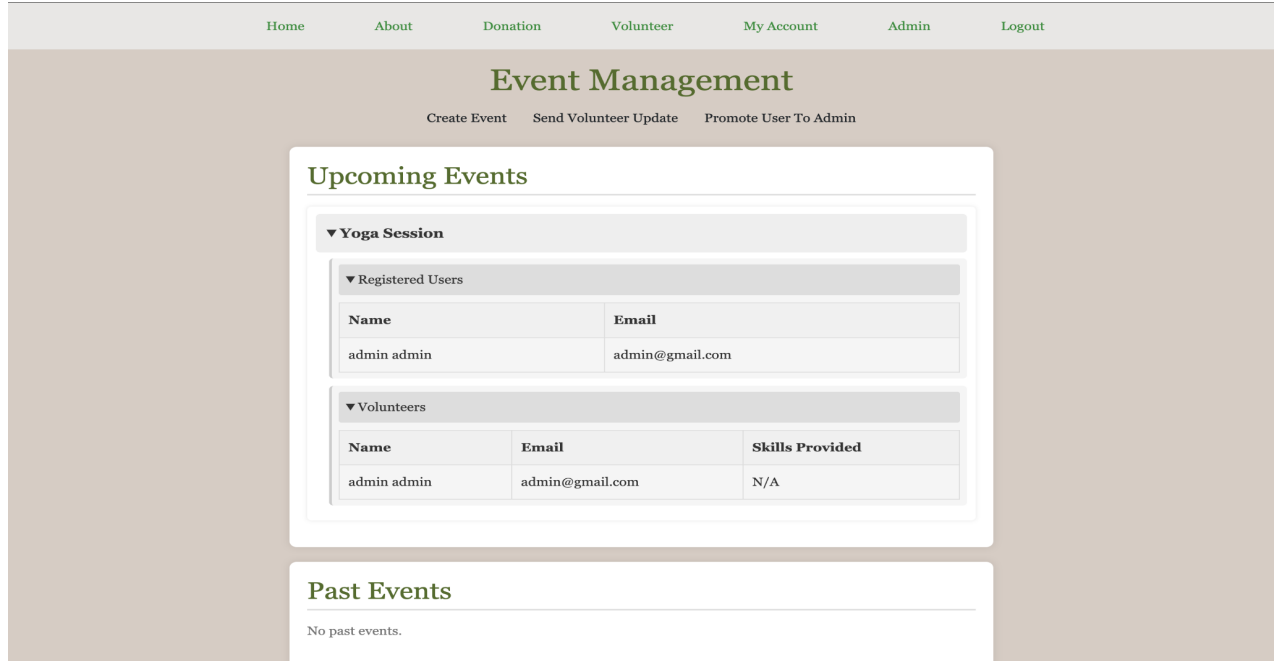


Figure 7. Event Management - The Event Management page is an admin-only section that allows administrators to create events, send volunteer updates via email, and assign administrative roles to other users.

Home About Donation Volunteer My Account Admin Logout

Email Title:
Enter the email title

Email Body:
Enter the email body

Send Mail

Figure 8. Send Volunteer Update - This admin-exclusive page enables administrators to send emails regarding temple updates, event reminders, or any other temple-related communications. This is sent to whoever presses the “Subscribe to volunteer updates” button in the event registration page.

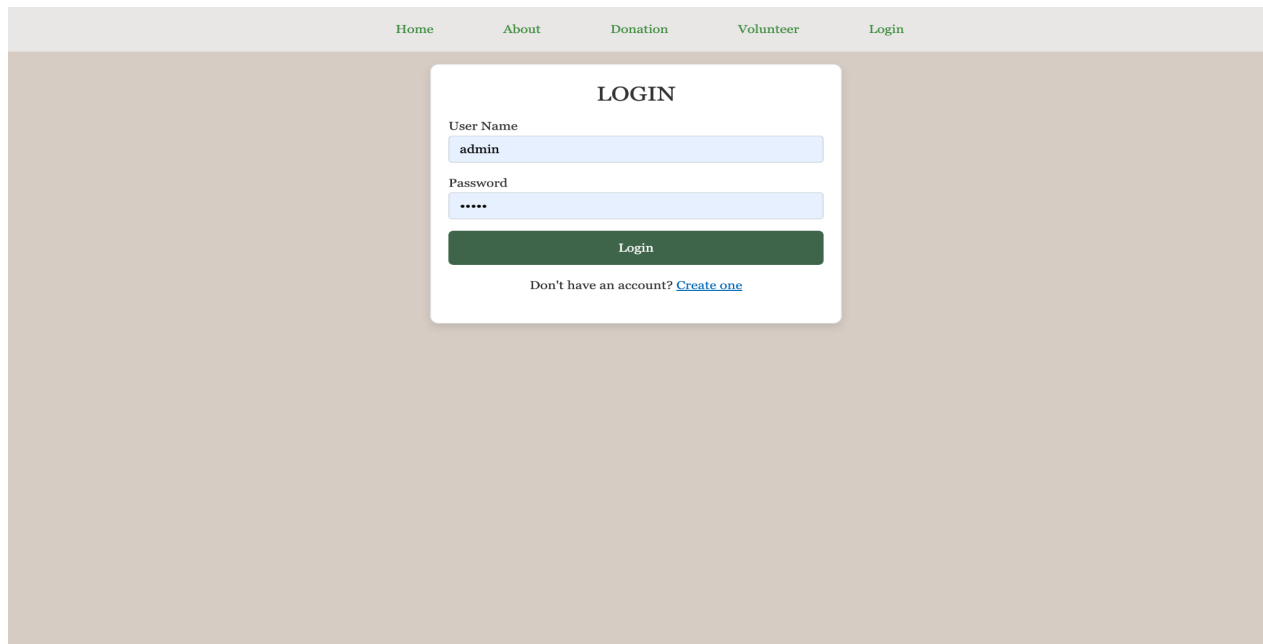
Home About Donation Volunteer My Account Admin Logout

Promote User to Admin

Email:
Enter user email

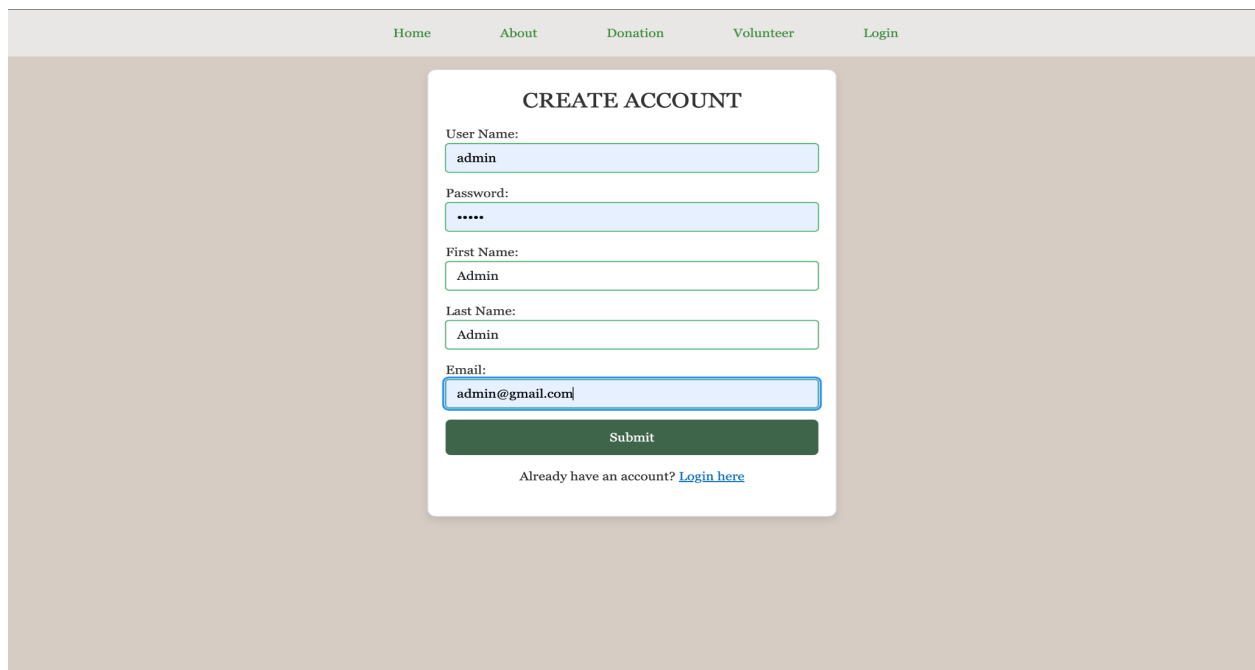
Promote

Figure 9. Admin User Promotion - This admin page allows administrators to grant admin privileges to a user, enabling them to manage events and perform other administrative tasks.



The screenshot shows a web application with a navigation bar at the top containing links for Home, About, Donation, Volunteer, and Login. The main content area features a central white box titled "LOGIN". Inside this box, there are two input fields: "User Name" with the text "admin" and "Password" with masked characters "*****". Below these fields is a dark green "Login" button. At the bottom of the box, there is a link that says "Don't have an account? [Create one](#)".

Figure 10. Login Page - The Login page allows members and administrators to securely access their accounts.



The screenshot shows a web application with a navigation bar at the top containing links for Home, About, Donation, Volunteer, and Login. The main content area features a central white box titled "CREATE ACCOUNT". Inside this box, there are five input fields: "User Name:" with "admin", "Password:" with "*****", "First Name:" with "Admin", "Last Name:" with "Admin", and "Email:" with "admin@gmail.com". Below these fields is a dark green "Submit" button. At the bottom of the box, there is a link that says "Already have an account? [Login here](#)".

Figure 11. The Create Account - page allows members to register with the temple by providing their first and last name, email, and a user password.

Troubleshooting & FAQs

Common Issues & Fixes

Issue	Solution
<i>Website not loading</i>	Check if the EC2 instance is running and security groups allow inbound traffic on ports 80/443.
<i>Database connection error</i>	Verify RDS endpoint, username, and password in appsettings.json .
<i>Email not sending</i>	Ensure Gmail App Password is configured correctly in Mail.razor .

Frequently Asked Questions (FAQs)

- How do I reset my password?
 - Click on “Forgot Password” on “My Account” page.
- How do I add a new Admin?
 - Go to the Admin panel and select a user to promote.

Contact Information

For questions regarding usage, setup, or troubleshooting of the project, feel free to contact any team member with your questions:

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