

CI PLATFORM

A PROJECT REPORT

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In partial fulfillment for the award of the degree of

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Gujarat Technological University, Ahmedabad

April, 2023



GOVERNMENT ENGINEERING COLLEGE, GANDHINAGAR

Sector 28 GIDC, Sector 28, Gandhinagar, Gujarat

CERTIFICATE

This is to certify that the project report submitted along with the project entitled **CI Platform** has been carried out by **Kahan Bhalani** (200130116503), **Ankit Pipaliya** (190130116052) and **Dharmesh Kanzariya** (190130116022) under my guidance in partial fulfillment for the degree of Bachelor of Engineering in Information Technology, 8th Semester of Gujarat Technological University, Ahmadabad during the academic year 2022-23.

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Date: 18th April 2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Kahan Deepakkumar Bhalani was selected from Government Engineering College, Gandhinagar in Campus for internship in accordance with the college's policy.

Details of the project is as under

Project technology: ASP.NET Core MVC

Project name – CI Platform

Start Date: 23-Jan-23

End Date: 24-Apr-23

For TatvaSoft



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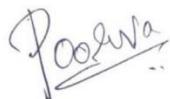
Project technology: ASP.NET Core MVC

Project name – CI Platform

Start Date: 23-Jan-23

End Date: 24-Apr-23

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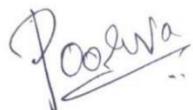
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Project technology: ASP.NET
Project name – CI Platform
Start Date: 23-Jan-23
End date – 24-Apr-23

For TatvaSoft



Authorized Signatory



GOVERNMENT ENGINEERING COLLEGE, GANDHINAGAR

Sector 28 GIDC, Sector 28, Gandhinagar, Gujarat

DECLARATION

We hereby declare that the Internship / Project report submitted along with the Internship / Project entitled “**CI Platform**” submitted in partial fulfillment for the degree of Bachelor of Engineering in **Information Technology** to Gujarat Technological University, Ahmedabad, is a bonafide record of original project work carried out by me / us at **TatvaSoft** under the supervision of **Mr. Patel Mahendra N.** and that no part of this report has been directly copied from any students’ reports or taken from any other source, without providing due reference.

Name of the Student

Sign of Student

- | | | |
|----|--------------------|-------|
| 1. | Kahan Bhalani | <hr/> |
| 2. | Ankit Pipaliya | <hr/> |
| 3. | Dharmesh Kanzariya | <hr/> |

ACKNOWLEDGEMENT

We would like to extend our heartily thanks with a deep sense of gratitude and respect to all those who has provided us immense help and guidance during our project. Especially, we would like to thank our mentor **Sweety Patel** who guided and introduced us to the company and provided necessary resources and their encouragement.

We would like to express our sincere thanks to our internal guide **Prof. Patel Mahendra** to providing a vision about the system and for giving us an opportunity to undertake such a great challenging and innovative work. We are grateful for the guidance, encouragement, understanding and insightful support given in the development process.

We would like to extend my gratitude to **Prof. J. S. Dhobi**, Head of the Information Technology Department.

Last but not the least we would like to mention here that we are greatly indebted to everyone who has been associated with our project at any stage but whose name does not find a place in this acknowledgement.

Yours sincerely,
Kahan Bhalani (200130116503)
Ankit Pipaliya (190130116052)
Dharmesh Kanzariya (190130116022)

ABSTRACT

CI Platform

The aim and motivation of this industrial training is to receive discipline, skills, teamwork, and technical knowledge through a proper training environment, which will help us, as a student in the field of Information Technology, to develop a responsiveness of the self-disciplinary nature of problems.

During this period of 12 weeks of training at TatvaSoft, we were assigned to develop a website for CI (Community Investment) platform using the ASP.NET Core MVC framework and using Microsoft SQL Server for database. We were acquainted with the latest tools from Microsoft to design and build websites. We learnt about architecting a project using layered architecture and also had an opportunity to implement what we've learnt in the past as IT students to develop an industry project.

The platform will allow the company to “plan and manage effort that seeks to motivate and enable employees to effectively serve community needs through the leadership of the employer.”

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CHAPTER 1. OVERVIEW OF THE COMPANY



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TatvaSoft is a Consummate Custom Software Development company delivering splendid business IT Solutions and related services to customers across the globe. Our development services are led by our dedicated and passionate team to provide best industry practices combined with technology expertise and business domain knowledge to drive digital transformation. Our proficiency in understanding business challenges and professional competence allows us to create a better experience for our customers.

TatvaSoft has emerged and marked our presence in different continents by providing Be spoke software development services to all major Industry Domains.

TatvaSoft has successfully served for more than 1800 success stories ranging from Enterprise level to Start-ups, who have grown alongside the success of the company.

At present TatvaSoft is a Robust Team having diverse skills with more than 18+ years of Technology experience engaging with customers at Deeper level to provide cutting edge solutions and innovations.

To convert your vision into reality, TatvaSoft assist you from software product ideation to design, development, release, and maintenance. Every successful product is unique in its market and with its uniqueness, it brings risk and uncertainties during the software product development process.

TatvaSoft as a leading software product development company conceptualize and strategize the entire roadmap to reduce the risk, keep time and development cost under control and provide high-quality stable product. With highly collaborative approach,

TatvaSoft understand the scope, business scenarios and potential user types to create a product with UX, cloud, data and security as their prime focus at present TatvaSoft is a Robust Team having diverse skills with more than 18+ years of Technology experience engaging with customers at Deeper level to provide cutting edge solutions and innovations.

Company's Different Departments

- Prototyping & MVP Development
- Product Architecture Design Service
- UI/UX Design Services
- Maintenance & Support Services
- Product Development
- Product Testing

CHAPTER 2. INTRODUCTION TO CI PLATFORM

CI (**Community Investment**) platform can also be called employee volunteer program, workplace volunteer programs, corporate volunteer programs, company volunteer programs, and other iterations. These programs are typically built to support a company's larger corporate social responsibility program (CSR) or community engagement program or community investment program. Companies may have specific reasoning for building such platforms like building a positive brand reputation or increasing employee engagement in the community.

We provide the users (volunteers) an easy to use interface for finding various types of missions created by various communities or organizations. The volunteers can participate in these events or missions to be a part of the community which also results in company growth.

The volunteers can choose their type of mission, either Goal-based or Time-based to allow flexibility with working hours.

- Goal-based missions do not have a designated deadline to meet and have a target to achieve.
- Time-based missions have a deadline to meet and the volunteer must report his daily work in terms of hours.

The company is provided an Admin Portal as well where all CRUD operations are allowed on different missions and admin can approve or decline a volunteer's mission application. The volunteers can also share their experience regarding the mission by publishing a story which can be viewed by other volunteers to gather some insight before applying to one.

CHAPTER 3. AUTHENTICATION

3.1 LOGIN

Users can login to the platform using their email and password. All authentication pages will also display some banner images to show the platform's past achievements and events.

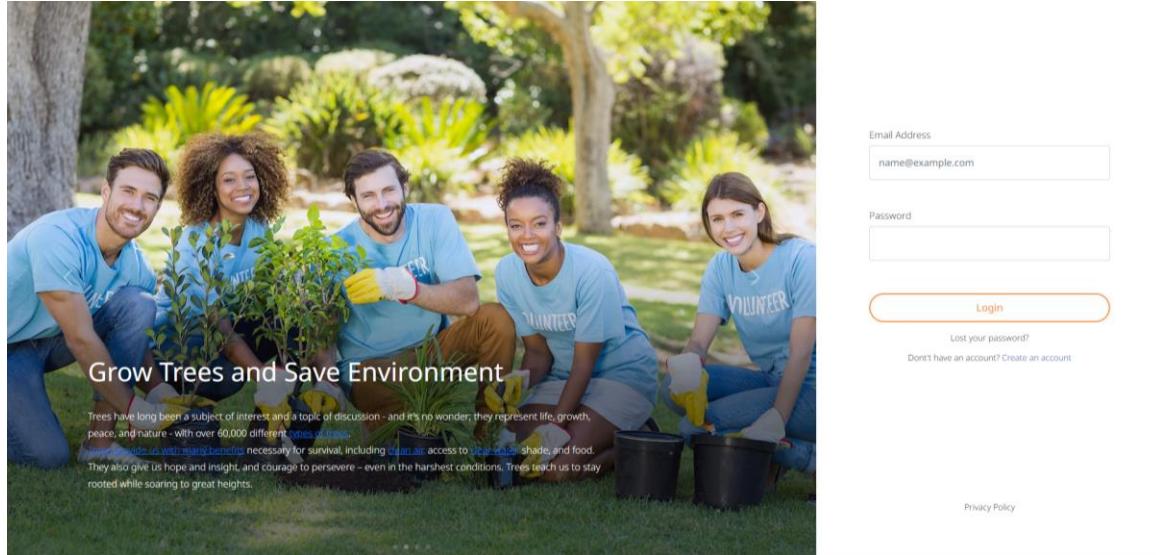


Fig. 3.1 Login Page

If the user has forgotten the password, he can click on **Lost your password?** link to reset the password by sending a reset password link to his email.

New users can create a new account by clicking **Create an account** link.

3.2 FORGOT PASSWORD

Users who have forgotten their password may request to reset their password by entering their email address. System will check their email address existence, if it exists then reset password link will be sent to their email address.

This link automatically expires after 4 hours or when it was already used to reset password successfully.

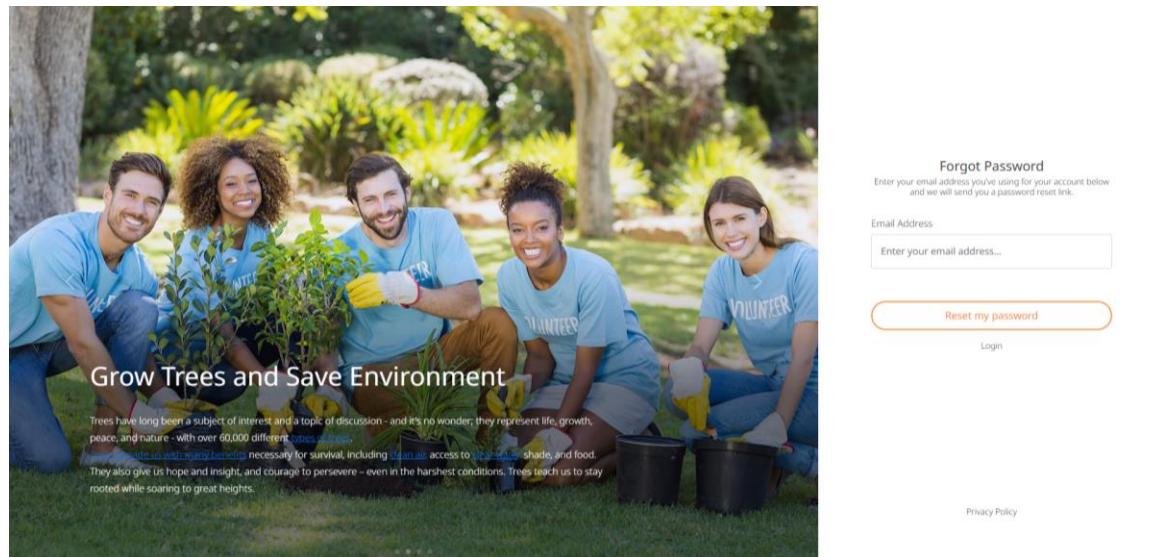


Fig. 3.2 Forgot Password Page

3.3 RESET PASSWORD PAGE

When clicking on reset password link from email, user will land to this page. Here user can reset his password by entering new password.

Once the link is expired after 4 hours, this page will not be accessible.

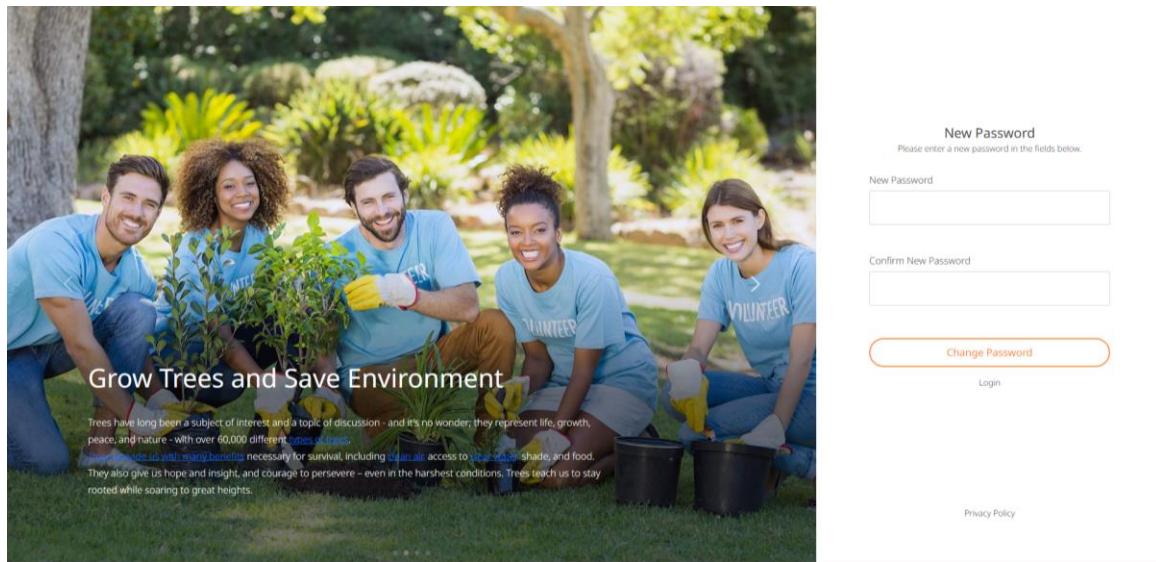
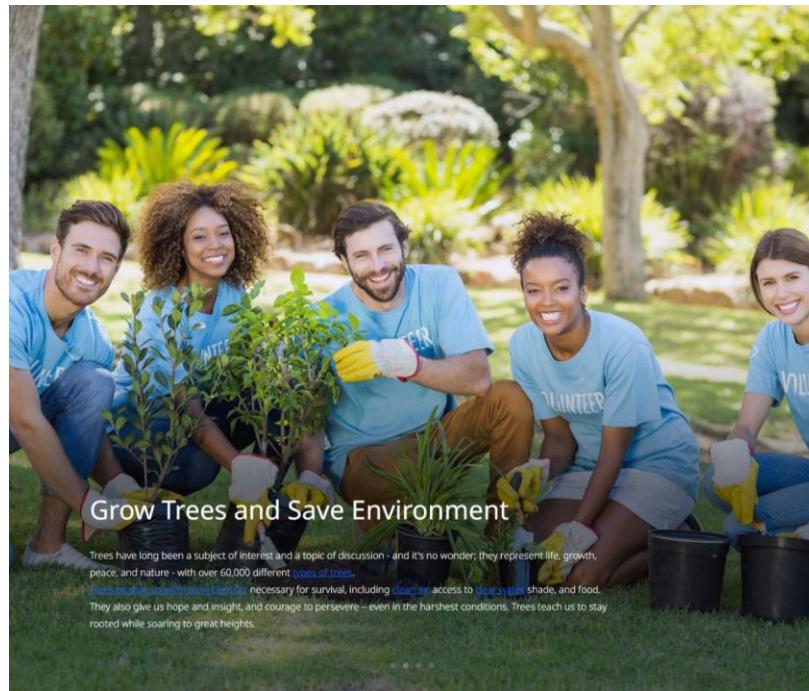


Fig. 3.3 Reset Password Page

3.4 REGISTRATION

New users can register as volunteers by providing the necessary details like email address and phone number.



The registration page features a large background image of five volunteers in blue shirts with "VOLUNTEER" printed on them, smiling while planting trees in a lush green park. Overlaid on the bottom left of the image is the text "Grow Trees and Save Environment". Below the image is a block of text about the importance of trees for survival and their symbolic meaning. To the right of the image is a form with fields for First Name, Last Name, Phone Number, Email Address (with a placeholder "name@example.com"), Password, and Confirm Password. A prominent orange "Register" button is at the bottom right, along with links for password recovery and login.

First Name

Last Name

Phone Number

Email Address

Password

Confirm Password

[Register](#)

[Lost your password?](#)

[Already registered? Login now](#)

[Privacy Policy](#)

Grow Trees and Save Environment

Trees have long been a subject of interest and a topic of discussion - and it's no wonder; they represent life, growth, peace, and nature - with over 60,000 different [types of trees](#).
Trees also provide us with the [necessities](#) necessary for survival, including [shelter](#), access to [clean water](#), shade, and food. They also give us hope and insight, and courage to persevere - even in the harshest conditions. Trees teach us to stay rooted while soaring to great heights.

Fig. 3.4 Registration Page

CHAPTER 4. PLATFORM LANDING PAGE

4.1 MISSION LISTING

After successful login, user will be redirected to platform landing page. This page will display various missions. User can filter missions by theme and skills. User can also search missions by mission title, mission description. User can view missions either by Grid View or List View.

There are two types of missions available in this platform:

1. Time-based Missions
2. Goal-based Missions

The screenshot shows a platform landing page for 'optimy'. At the top, there is a navigation bar with links for 'Stories' and 'Policy', and a user profile for 'Ada Lovelace'. Below the navigation bar is a search bar with placeholder text 'Search mission...' and dropdown filters for 'Country', 'City', 'Theme', and 'Skills'. There are also buttons for 'USA' and 'Clear all', and a 'Sort by' dropdown with icons for sorting by popularity, date, and rating.

The main content area displays three mission cards:

- Children**: 'Education supplies for every pair of shoes sold'. Description: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore...'. Rating: ★★★★☆. Status: 'From 28/04/2023 until 13/05/2023'. Seats left: 15. Deadline: 05/05/2023. Buttons: 'Apply →'.
- Nutrition**: 'Nourish the children in African country'. Description: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore...'. Rating: ★★★★☆. Status: 'From 28/04/2023 until 08/05/2023'. Seats left: 100. Deadline: 03/05/2023. Buttons: 'Apply →'.
- Health**: 'Plantation and Afforestation programme'. Description: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore...'. Rating: ★★★★☆. Status: 'Plant 15,000 Trees'. Seats left: 20. Progress: 8000 achieved. Buttons: 'Apply →'.

At the bottom of the page, there is a footer with links for 'Privacy Policy' and 'Contact Us', and a navigation bar with icons for back, forward, and search.

Fig. 4.1 Missions Landing Page

4.2 SEARCH MISSIONS

User will be able to quickly search by country then city then by theme then by skills. User can also search missions by specific keywords.



Fig. 4.2.1 Search Bar

By default, it will show missions belonging to the user's city and country. For searching, the country filter is mandatory.

A screenshot of a mission search results page. At the top, there is a header with the logo "optimy", navigation links for "Stories" and "Policy", and a user profile for "Ada Lovelace". Below the header is a search bar with the query "plantation" and the same filter dropdowns as Fig. 4.2.1. Underneath the search bar are buttons for "USA" and "Clear all", and a "Sort by" dropdown. The main content area shows a single mission card titled "Plantation and Afforestation programme". The card features a thumbnail image of two people working in a garden, a location pin for "Washington", and a category tag "Health". Below the title is a short description: "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore...". The mission is attributed to "Amaze Doctors" and has a rating of 4 stars. It includes a progress bar for "Plant 15,000 Trees" (8000 achieved) and a counter for "Seats left" (20). At the bottom of the card is an "Apply" button. At the very bottom of the page are navigation arrows for pagination.

Fig. 4.2.2 Mission Search Results

4.3 FILTER MISSIONS

We can also apply various filters based on city, country, theme and skills. The applied filters are visible below the search bar and can be modified by removing them.

The screenshot shows the optimy platform's mission filtering interface. At the top, there is a search bar with placeholder text "Search mission..." and dropdown menus for "Country" (set to "USA"), "City", "Theme", and "Skills". Below these are several filter buttons: "USA", "Environment x", "Nutrition x", "Children x", "Animals x", "Health x", "Environmental Science x", "Environmental Education x", and "Clear all".

The main content area displays "Explore 2 missions" with two mission cards:

- Australian Paradise**: Education supplies for every pair of shoes sold. From 28/04/2023 until 13/05/2023. 15 Seats left. 5/5 stars. Deadline: 05/05/2023. **Apply →**
- Amaze Doctors**: Plantation and Afforestation programme. From 28/04/2023 until 13/05/2023. 20 Seats left. 5/5 stars. Plant 15,000 Trees. 8000 achieved. **Apply →**

At the bottom of the page are navigation links for "Privacy Policy" and "Contact Us".

Fig. 4.3.1 Filtered Missions

This screenshot shows the same optimy interface but with a different set of filters applied: "Country" (set to "California x") and "Theme" (set to "Health").

The main content area displays the message "No missions found." with a "Submit new mission →" button below it.

At the bottom of the page are navigation links for "Privacy Policy" and "Contact Us".

Fig. 4.3.2 No Missions Found

CHAPTER 5. VOLUNTEERING MISSION

5.1 MISSION DETAILS

The Volunteering Mission page will display detailed information about a mission before the volunteer can apply for it. It displays some media in form of images and YouTube videos. It also displays available seats and the registration deadline.

The user can give a rating to give their experience regarding the mission which will help future volunteers for that mission.

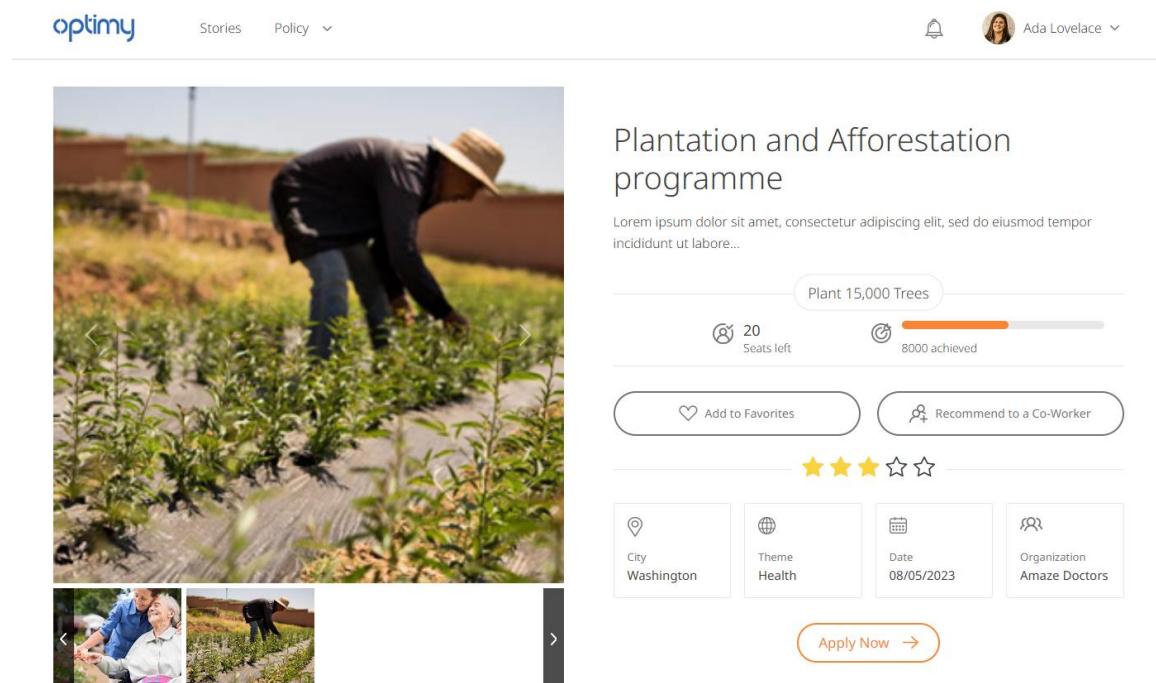


Fig. 5.1 Basic Mission Details

5.2 MISSION DESCRIPTION

This tab provides detailed description about the mission and why we should apply for it. It also provides links to various documents regarding the mission like PDF files and Sheets.

Mission	Organization	Comments
I'm loaded from database		
<h3>Introduction</h3> <p>Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</p> <p>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p> <p>Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p>		
<h3>Challenge</h3> <p>Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p> <p>Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p>		
<h3>Documents</h3> <div style="display: flex; justify-content: space-around;">  lorem-ipsum.pdf  at_vero_eos_accusamus.doc  important_doc.xls </div>		

Fig. 5.2 Mission Description

5.3 ORGANIZATION DETAILS

This tab provides detailed description about the organization which created this mission.

The screenshot shows a user interface for viewing organization details. At the top, there are three tabs: 'Mission', 'Organization', and 'Comments'. The 'Organization' tab is currently selected, indicated by a bold underline. Below the tabs, a message 'I'm loaded from database' is displayed. The main content area is titled 'CES Industrial Solutions Network'. Under this title, there are two paragraphs of placeholder text (Lorem ipsum) describing the organization. Below the text, there is a section titled 'About Organization' with its own paragraph of placeholder text.

Fig. 5.3 Organization Details

5.4 COMMENTS

Users can give their comments regarding the mission to provide feedback to the organization and also allow future volunteers to review the mission.

The screenshot shows a user interface for posting comments. At the top, there are three tabs: 'Mission', 'Organization', and 'Comments', with 'Comments' being the active tab. Below the tabs is a large input field with the placeholder text 'Enter your comments...'. A red 'Post Comment' button is located below the input field. Two comment posts are visible in a scrollable list. The first post is by 'John Doe' (profile picture of a man) on Saturday, April 29, 2023, at 1:09AM. The comment text is 'This mission serves a good purpose especially when the no. of forests are declining.' The second post is by 'Ada Lovelace' (profile picture of a woman) on Saturday, April 29, 2023, at 1:08AM. The comment text is 'Planting trees is good for us and that's why I like this mission very much.'

Fig. 5.4 Comments

5.5 RECENT VOLUNTEERS

One can also see who had previously applied for this mission with their name and profile picture.

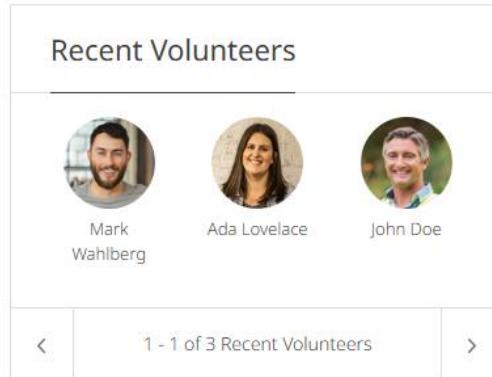


Fig. 5.5 Recent Volunteers

5.6 RELATED MISSIONS

At the bottom of page, we can see missions related to the current mission by city and country i.e. missions belonging to the same city or country, or the same theme.

The screenshot shows a section titled 'Related Missions' with two mission cards. The first card is for 'Education supplies for every pair of shoes sold' in New York, organized by 'Australian Paradise'. It has a 5-star rating, runs from 28/04/2023 to 13/05/2023, 15 seats left, and a deadline of 05/05/2023. The second card is for 'Nourish the children in African country' in New York, organized by 'The Hunger'. It has a 4.5-star rating, runs from 28/04/2023 to 08/05/2023, 100 seats left, and a deadline of 03/05/2023. Both cards have an 'Apply' button at the bottom.

Fig. 5.6 Related Missions

Complete Volunteering Page

The screenshot displays a comprehensive volunteering mission page. At the top, there's a header with the optimy logo, navigation links for Stories and Policy, and a user profile for Gavin Benson. Below the header is a main content area featuring a large image of a person working in a plantation, with a progress bar indicating 8000 out of 15,000 trees planted. The mission title is "Plantation and Afforestation programme". A brief description follows, along with a call-to-action button "Apply Now". To the left, there's a sidebar with tabs for Mission, Organization, and Comments, showing that the mission is loaded from the database. The "Mission" tab is active. The "Organization" tab shows "Amaze Doctors" with details like City: Washington, Theme: Health, Date: 08/05/2023, and a star rating of 4.5. The "Comments" tab is currently inactive. On the right, there are sections for "Information" (Skills: Agronomy, Research, Environmental Education; Days: Weekend; Rating: 4.5 stars by 3 volunteers), "Recent Volunteers" (Mark Wahlberg, Ada Lovelace, John Doe), and "Related Missions". Two missions are listed: "Education supplies for every pair of shoes sold" (target 15 seats, deadline 05/05/2023) and "Nourish the children in African country" (target 100 seats, deadline 03/05/2023). Each mission has its own "Apply Now" button.

Fig. 5.7 Volunteering Mission Page

CHAPTER 6. STORIES

This feature allows users to view and submit stories about their experience as volunteers.

6.1 STORY LISTING

Story listing page shows all the stories published by the users who had previously applied to a mission.

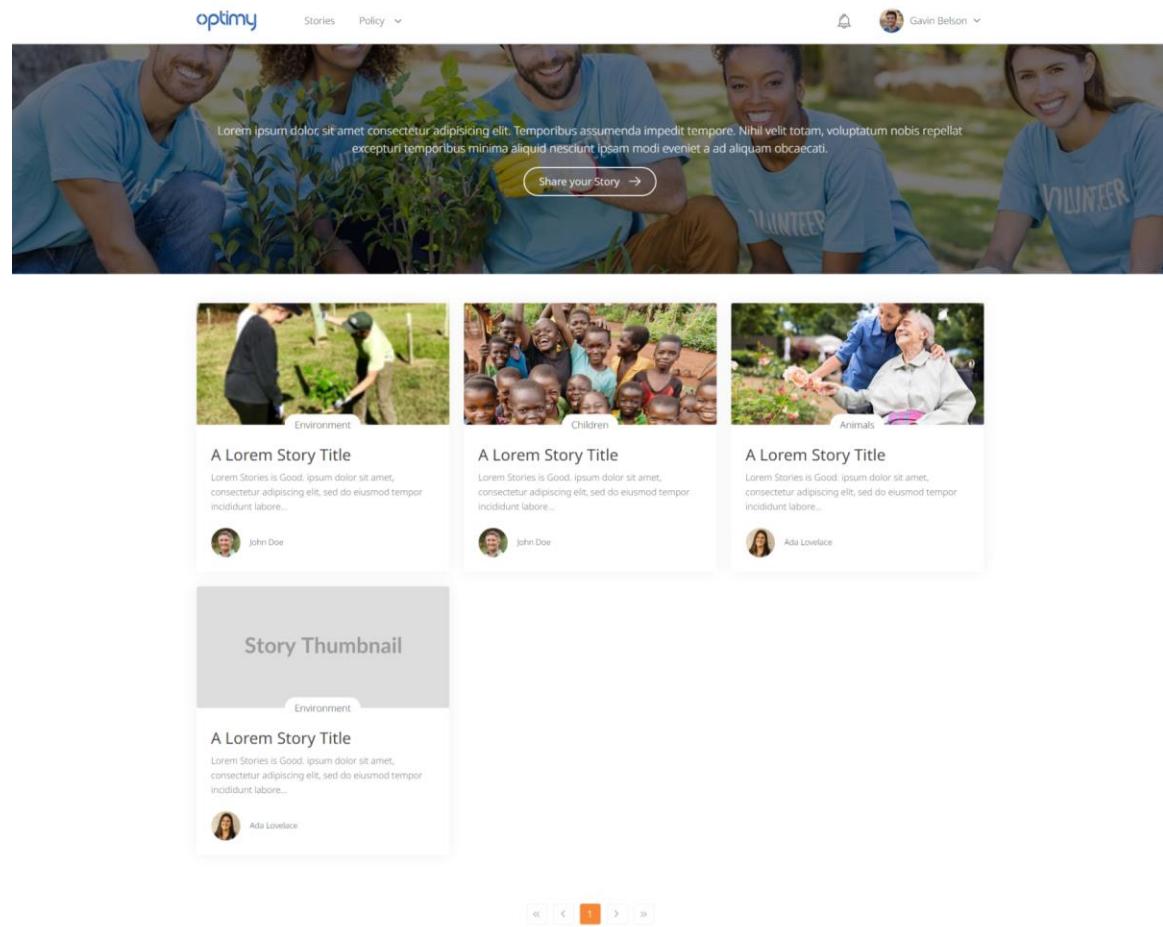
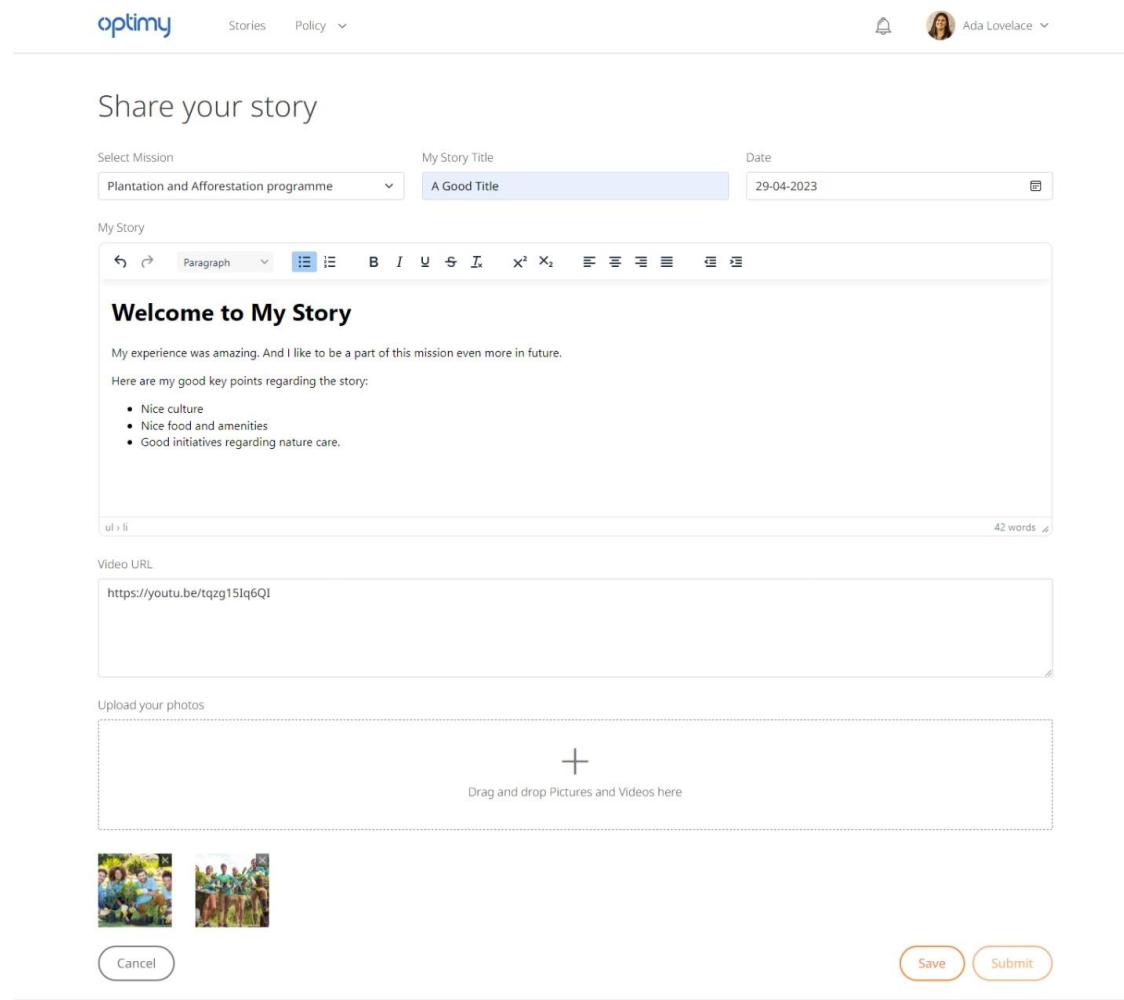


Fig. 6.1 Story Listing Page

6.2 ADD / EDIT STORY

User can submit his or her story from this page. User must have applied to a mission and mission application must be approved when submitting a story.

When user saves story detail, it will be saved as a **Draft**. User can then preview his story and when ready publish it.



The screenshot shows the 'Add / Edit Story' interface on the optimy platform. At the top, there is a navigation bar with the optimy logo, a 'Stories' link, a 'Policy' dropdown, a notification bell icon, and a user profile for Ada Lovelace.

The main form area has the following fields:

- Select Mission:** Plantation and Afforestation programme
- My Story Title:** A Good Title
- Date:** 29-04-2023
- My Story:** A rich-text editor containing the heading "Welcome to My Story". Below it is a paragraph about the experience being amazing and wanting to be part of the mission more in future, followed by a bulleted list of key points: "Nice culture", "Nice food and amenities", and "Good initiatives regarding nature care". The editor also shows a word count of 42 words.
- Video URL:** <https://youtu.be/tqzg15Iq6QI>
- Upload your photos:** A drag-and-drop area with a plus sign and the placeholder text "Drag and drop Pictures and Videos here". Two small thumbnail images are visible below the area.
- Buttons:** "Cancel", "Save", and "Submit".

At the bottom of the form, there are links for "Privacy Policy" and "Contact Us".

Fig. 6.2 Add / Edit a Story

6.3 STORY DETAILS

It will show details of a story. User can view story title, description, media, and user details by whom story is added. User can also recommend a story to a co-worker.

The screenshot shows a "Story Details" page from the optimy platform. At the top, there's a navigation bar with the optimy logo, a "Stories" link, and a "Policy" dropdown. On the right, there's a user profile for "Ada Lovelace" with a notification bell icon.

The main content area features a large image of four diverse volunteers in blue shirts and yellow gloves working in a park. Below the image, the title "A Good Title" is displayed, followed by the subtitle "Welcome to My Story".

A detailed description of the mission follows:

I love missions about pets and plants. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris interdum dui ipsum, eu fringilla sem fringilla volutpat. Duis sed ex nulla. Interdum et malesuada fames ac ante ipsum primis in faucibus. Ut tristique massa vitae sodales faucibus. Duis non dolor magna. Phasellus rhoncus porttitor ipsum, non tempor nisi varius vel. Aliquam erat volutpat. Nullam et orci mattis, posuere tortor at, varius turpis. Nunc vulputate turpis nec leo lacinia, ut semper erat finibus. Phasellus a ligula non augue imperdiet placerat sit amet condimentum enim. Curabitur id justo tempus, sagittis risus eu, faucibus ante. Vestibulum pretium eu nisl a dictum. Praesent consectetur ligula eu aliquet consectetur.

At the bottom of the description is a button labeled "Open Mission" with a right-pointing arrow.

At the very bottom of the page, there are links for "Privacy Policy" and "Contact Us".

Fig. 6.3 Story Details Page

CHAPTER 7. VOLUNTEERING TIMESHEET

In this section, volunteers can log their work for a particular mission by filling entries in **Time** and **Goal** timesheets.

7.1 TIME AND GOAL TIMESHEETS

The timesheets are displayed side-by-side and allow the users to add a new entry, edit an existing entry and delete an entry.

Volunteering Hours			
Mission	Date	Hours	Minutes
Education supplies for every pair of shoes sold	04/29/2023	2h	30min
Education supplies for every pair of shoes sold	04/28/2023	1h	30min

Volunteering Goals			
Mission	Date	Action	
Plantation and Afforestation programme	04/29/2023	10	<input checked="" type="checkbox"/> <input type="button" value="Edit"/>
Plantation and Afforestation programme	04/28/2023	100	<input checked="" type="checkbox"/> <input type="button" value="Edit"/>

Fig. 7.1 Time & Goal Timesheets

7.2 TIME ENTRY

In a time entry, user can enter the amount of hours and minutes he had worked and the volunteering date.

The screenshot shows a modal window titled "Please input below Volunteering Hours". Inside the modal, there is a dropdown menu labeled "Select Mission" with the option "Education supplies for every pair of shoes sold". Below it is a date input field showing "29-04-2023". There are two input fields for time: "Hours" set to "2" and "Minutes" set to "30". A notes section contains the text "Test". At the bottom are "Cancel" and "Submit" buttons, with "Submit" being highlighted by an orange border.

Fig. 7.2 Add / Edit Time Entry

7.3 GOAL ENTRY

In a goal entry, the user can enter the actions which is nothing but a number indicating how much progress was made to achieve the final target.

For example, “I planted 100 trees or I helped 2 children with food and stationary”.

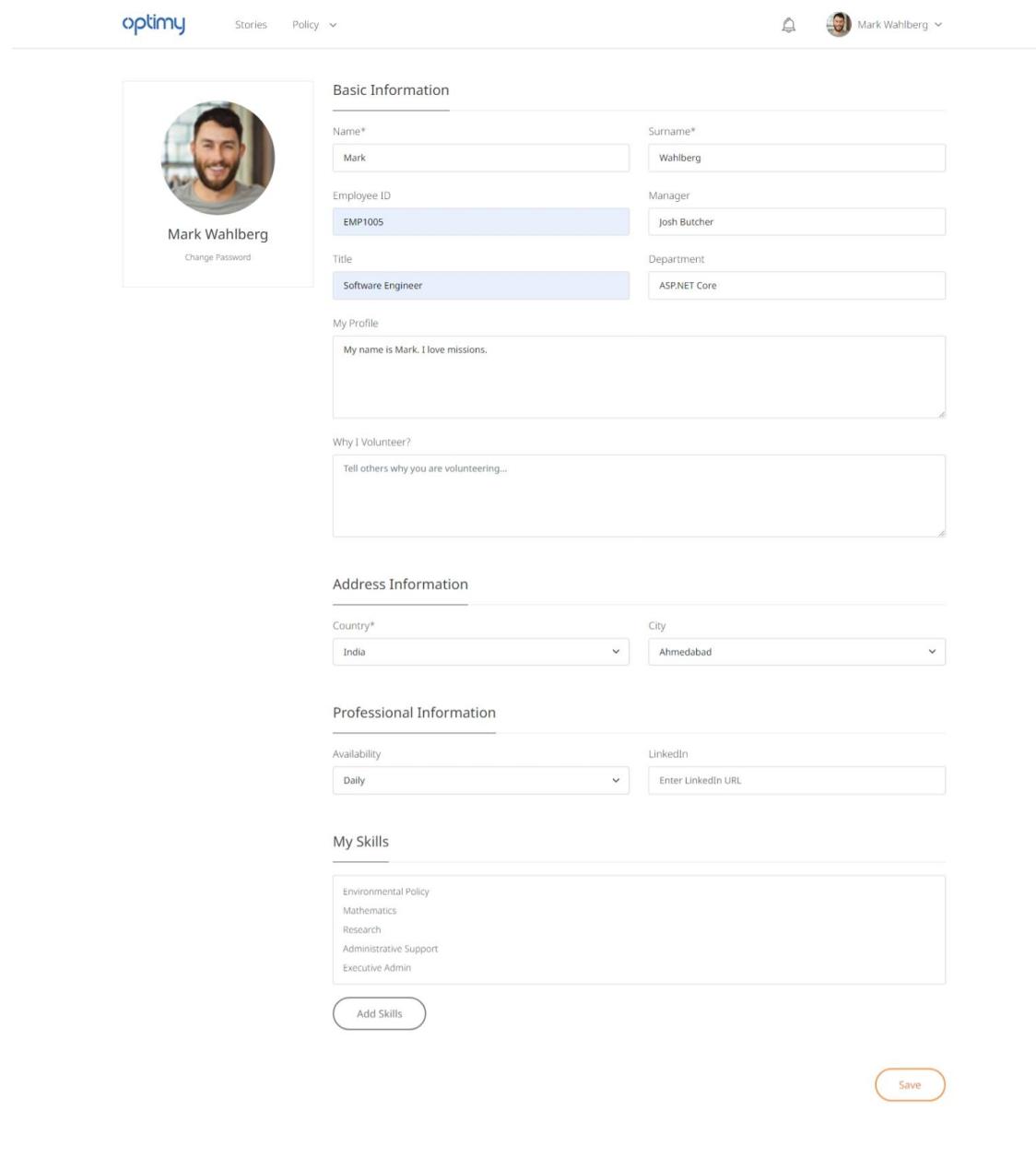
The screenshot shows a modal dialog box titled "Please input below Volunteering Goal". The dialog has a dark gray background and a white content area. It contains the following fields:

- Select Mission:** A dropdown menu showing "Plantation and Afforestation programme".
- Date Volunteered:** A text input field showing "28-04-2023".
- Actions:** A text input field showing "100".
- Notes***: A text area containing "Planted 100 trees."

At the bottom right of the dialog are two buttons: "Cancel" and "Submit", with "Submit" being highlighted in orange.

Fig. 7.3 Add / Edit Goal Entry

CHAPTER 8. USER PROFILE



The screenshot shows the 'My Profile' section of the optimy application. At the top left is the optimy logo. To the right are navigation links for 'Stories' and 'Policy'. On the far right is a user profile icon for 'Mark Wahlberg'.

Basic Information

Name*	Mark	Surname*	Wahlberg
Employee ID	EMP1005	Manager	Josh Butcher
Title	Software Engineer	Department	ASP.NET Core

My Profile

My name is Mark. I love missions.

Why I Volunteer?

Tell others why you are volunteering...

Address Information

Country*	India	City	Ahmedabad
----------	-------	------	-----------

Professional Information

Availability	Daily	LinkedIn	Enter LinkedIn URL
--------------	-------	----------	--------------------

My Skills

Environmental Policy
Mathematics
Research
Administrative Support
Executive Admin

Add Skills

Save

At the bottom left are links for 'Privacy Policy' and 'Contact Us'.

Fig. 8.1 My Profile

Users can view their profile information and edit their basic details like name, email, change password and add skills.

Below fields are mandatory when updating user profile:

- Name
- Last name
- Country
- City

When user logs in and any of the above fields is empty, then his profile will be marked as “Incomplete” and hence will not be able to access any page of the platform. Once the user will fill up these mandatory fields, he will be able to access the whole platform.

8.2 CHANGE PASSWORD

User can change his password by entering the old password and new password.

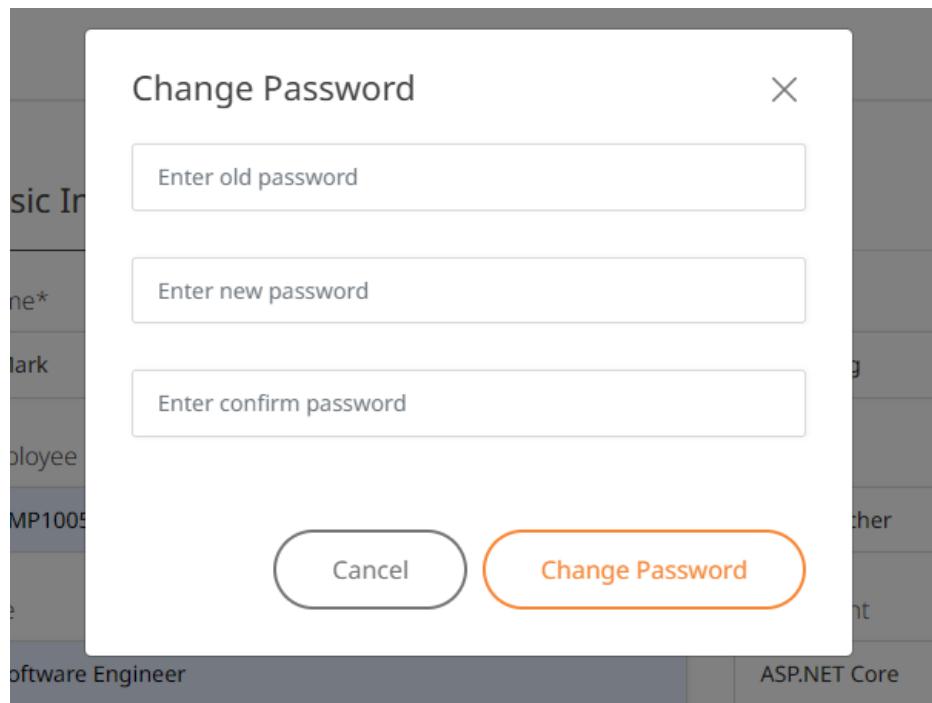


Fig. 8.2 Change Password

8.3 USER SKILLS

Users can add or remove their skills through this popup. The skills are saved once the user Saves his profile.

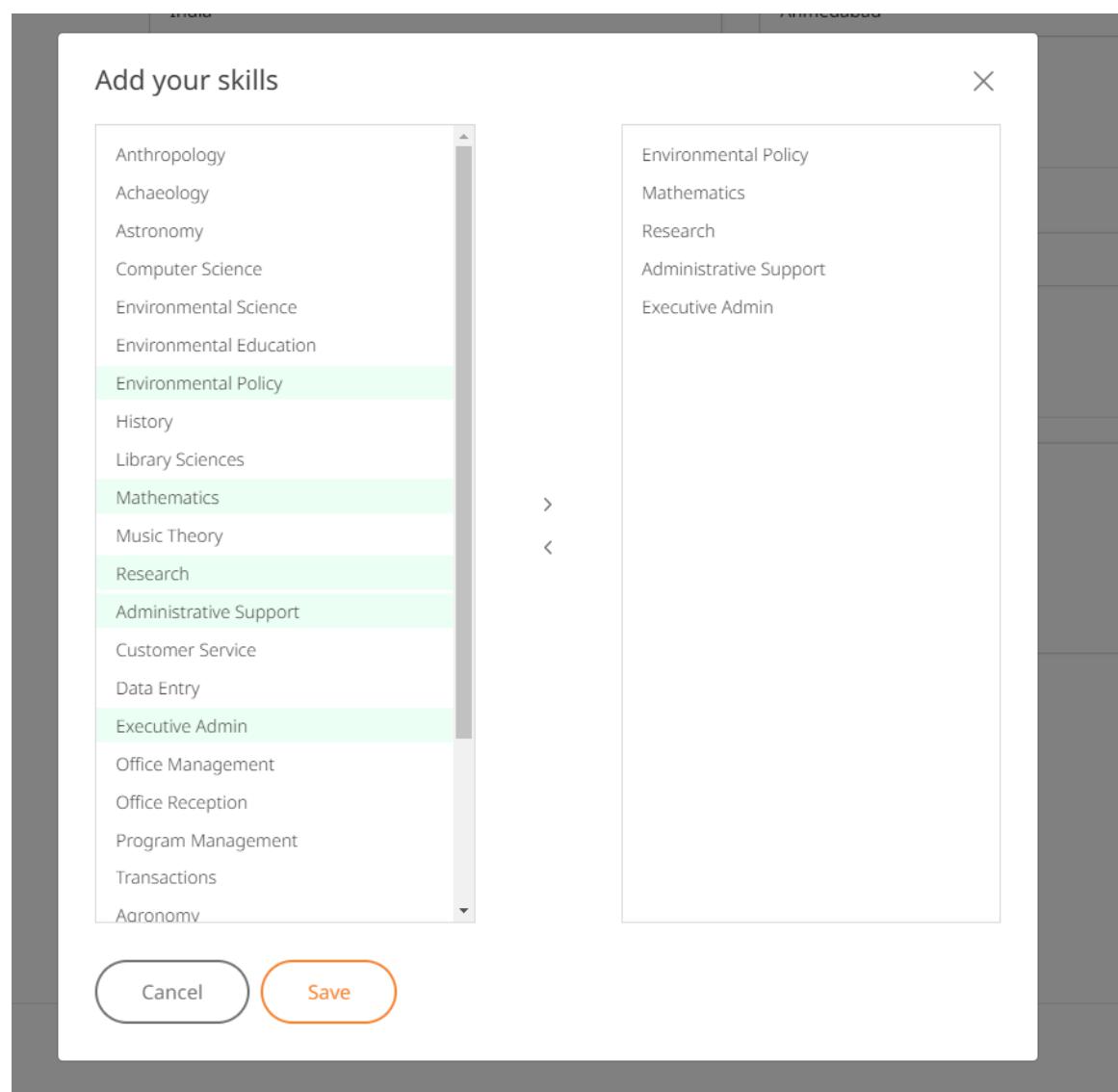


Fig. 8.3 User Skills

8.4 CONTACT US

A user can send any bugs, opinion, suggestion or query regarding system directly using this popup. The user needs to pass his email in order to receive any future responses.

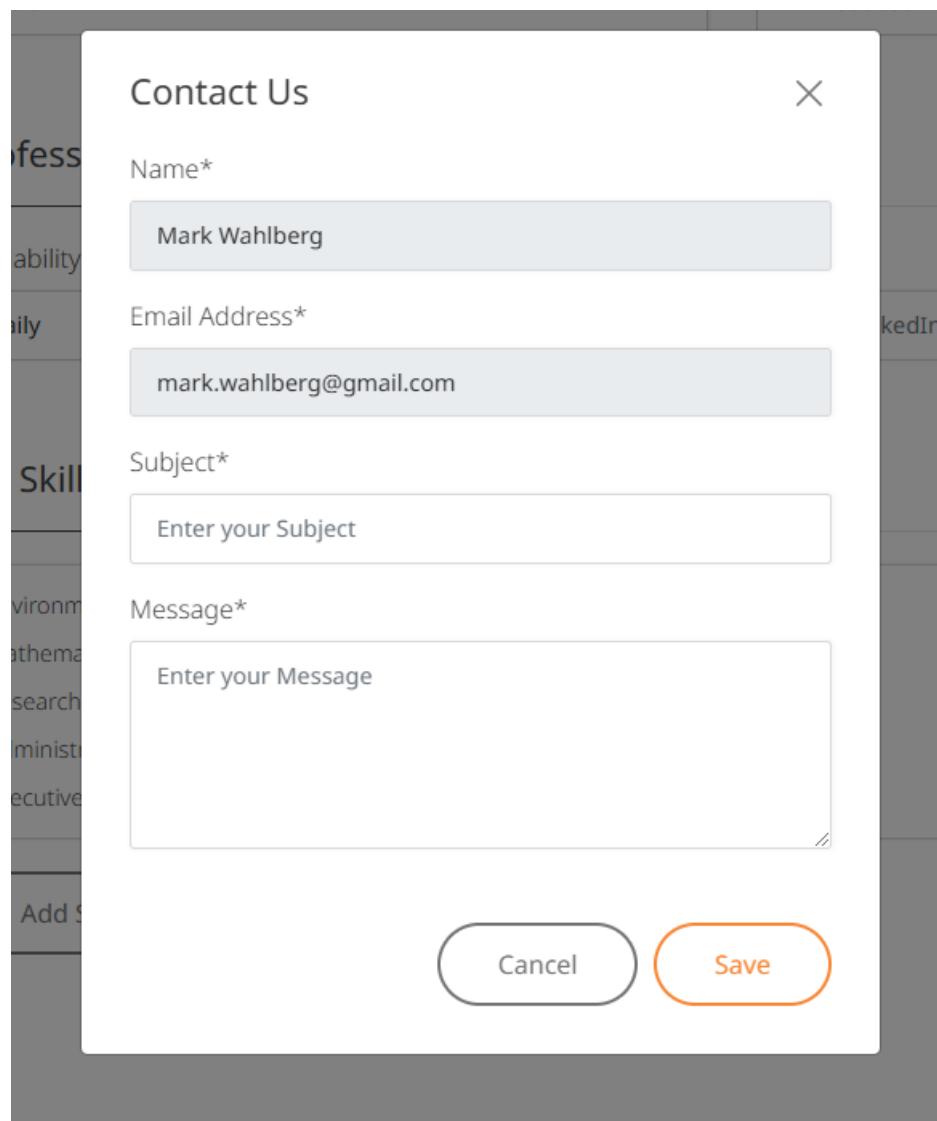


Fig. 8.4 Contact Us

CHAPTER 9. ADMIN PANEL

An **Admin Panel** is provided for administrators to manage the date related to CI Platform. They can perform CRUD operations on the following entities:

- Users
- CMS Page
- Missions
- Mission Applications
- Themes
- Skills
- Stories
- Banner Management

The Admin has special privileges to access this panel apart from acting as a normal user. He can also preview a story submitted by the user for approval to **publish** or **reject** the story.

The Admin can also disable some specific entities by changing their **Active** status.

9.1 USERS

First Name	Last Name	Email	Employee ID	Department	Status	Action
John	Doe	john.doe@gmail.com	-	-	Active	
Ada	Lovelace	adalovelace@gmail.com	-	-	Active	
Mark	Wahlberg	mark.wahlberg@gmail.com	-	-	Active	
Gavin	Belson	admin@ci.com	-	-	Active	
Kahan	Bhalani	kanbhali@gmail.com	-	-	Active	

Fig. 9.1 Users List

Saturday, April 29, 2023, 2:58 AM

Gavin Belson ▾

Edit User

Name*
Ada

Surname*
Lovelace

Email*
adalovelace@gmail.com

Password*

Employee ID
Enter your employee ID

Manager
Enter your manager details

Title
Enter your title

Department
Enter your department's name

My Profile
I love missions about pets and plants.
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris interdum dui ipsum, eu fringilla sem fringilla volutpat. Duis sed ex nulla. Interdum et malesuada fames ac ante ipsum primis in faucibus. Ut tristique massa vitae sodales faubus. Duis non dolor magna. Phasellus rhoncus porttitor ipsum, non tempor nisi varius vel. Aliquam erat volutpat. Nullam et orci mattis, posuere tortor at, varius turpis. Nunc vulputate turpis nec leo lacinia, ut semper erat finibus. Phasellus a ligula non augue imperdiet placerat sit amet condimentum enim. Curabitur id justo tempus, sagittis risus eu, faucibus ante. Vestibulum pretium eu nisl a dictum. Praesent

Why I Volunteer?

Fig. 9.2 Add / Edit Users

9.2 CMS PAGE

The Admin can add various CMS pages like Privacy Policy, Terms & Conditions, etc. The added pages will be visible to everyone via a uniquely identifying **slug**.

Saturday, April 29, 2023, 3:06 AM

Gavin Belson ▾

CMS Pages

+ Add

Title	Status	Action
Privacy Policy	Active	
Terms & Conditions	Active	

Fig. 9.3 CMS Pages List

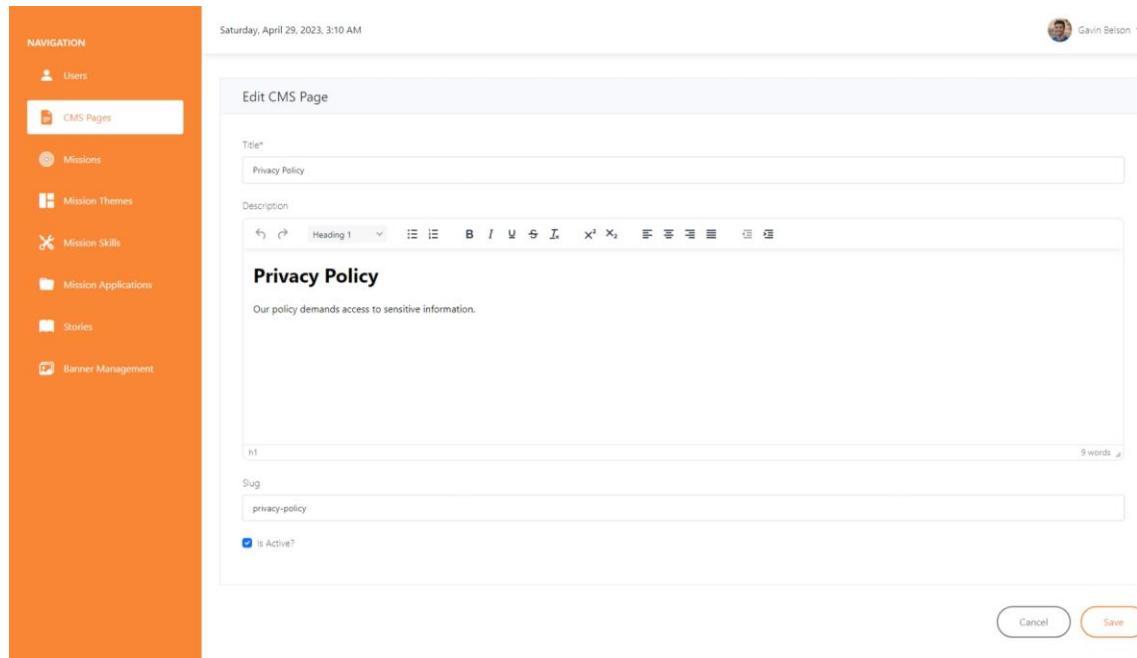


Fig. 9.4 Add / Edit CMS Page

9.3 MISSIONS

Saturday, April 29, 2023, 3:12 AM

Gavin Belson

Missions

Search

+ Add

Mission Title	Mission Type	Start Date	End Date	Status	Action
Grow Trees - On the path to environment sustainability	Time	28/04/2023	13/05/2023	Active	
Education supplies for every pair of shoes sold	Time	28/04/2023	13/05/2023	Active	
Nourish the children in African country	Time	28/04/2023	08/05/2023	Active	
Animal welfare & save birds campaign	Time	28/04/2023	28/05/2023	Active	
Plantation and Afforestation programme	Goal	28/04/2023	-	Active	

Fig. 9.5 Missions List

Saturday, April 29, 2023, 3:12 AM

Gavin Belson

Edit Mission

Title* Nourish the children in African country **Organization*** The Hunger

Short Description Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore...

Description

I'm loaded from database

Introduction

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Challenge

265 words

Organization Detail

I'm loaded from database

CES Industrial Solutions Network

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

About Organization

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Country* USA **City** New York **Theme*** Nutrition

Availability Daily **Start Date** 28-04-2023 **Registration Deadline** 03-05-2023

Is Active?

Type Related Information

Mission Type Time

Total Seats Enter total seats 08-05-2023 **End Date**

Skills

Start adding some skills

Add Skills

Video URL

Enter your YouTube video URLs (separated by newline)

Drag and drop Mission Media here

Drag and drop Documents here

Cancel Save

Fig. 9.6 Add / Edit Mission

9.4 MISSION SKILLS

Saturday, April 29, 2023, 3:17 AM

Gavin Belson

Skill Name	Status	Action
Anthropology	Active	
Achaeology	Active	
Astronomy	Active	
Computer Science	Active	
Environmental Science	Active	
Environmental Education	Active	
Environmental Policy	Active	
History	Active	
Library Sciences	Active	
Mathematics	Active	

Fig. 9.7 Skills List

Saturday, April 29, 2023, 3:18 AM

Gavin Belson

Add Skill

Skill's Name*
Dancing

Is Active?

Cancel Save

Fig. 9.8 Add / Edit Skills

9.5 MISSION THEMES

Theme Name	Status	Action
Environment	Active	
Nutrition	Active	
Children	Active	
Education	Active	
Animals	Active	
Health	Active	

Fig. 9.9 Themes List

Fig. 9.10 Add / Edit Theme

9.6 MISSION APPLICATIONS

The Admin can view all mission applications and has the rights to either **Approve** or **Decline** an application.

The screenshot shows the 'Mission Applications' section of the Admin Panel. On the left is an orange navigation sidebar with icons for Users, CMS Pages, Missions, Mission Themes, Mission Skills, Mission Applications (which is selected and highlighted in orange), Stories, and Banner Management. The main area displays a table of mission applications with columns: Mission Title, Mission ID, User ID, User Name, Applied Date, Status, and Actions. A search bar is at the top of the table. The status column indicates the current status of each application (Approved, Declined, Pending). The actions column contains icons for Approve (checkmark) and Decline (cross). The table shows five entries:

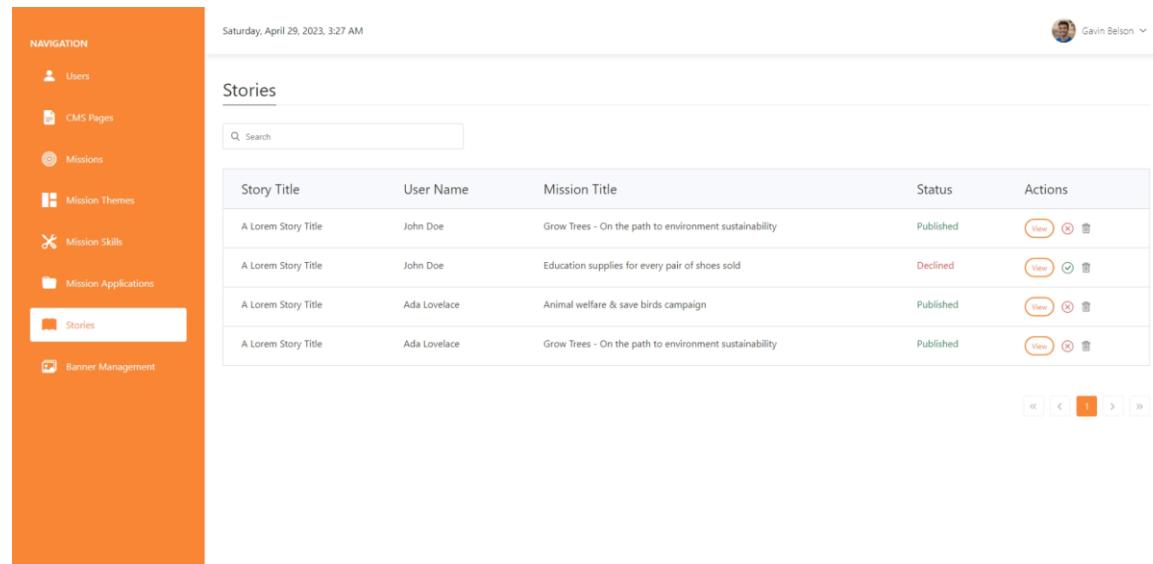
Mission Title	Mission ID	User ID	User Name	Applied Date	Status	Actions
Plantation and Afforestation programme	5	1	John Doe	29/04/2023	Approved	
Plantation and Afforestation programme	5	2	Ada Lovelace	29/04/2023	Declined	
Plantation and Afforestation programme	5	3	Mark Wahlberg	29/04/2023	Approved	
Education supplies for every pair of shoes sold	2	2	Ada Lovelace	29/04/2023	Approved	
Nourish the children in African country	3	4	Gavin Belson	29/04/2023	Pending	

Fig. 9.11 Mission Applications

9.7 STORIES

When a user publishes a story, it must be published by the Admin only. Unless the Admin publishes the story, it is not publicly visible to all volunteers.

The Admin can also view the story preview prior to approving it for publication, as well as delete the story.



The screenshot shows the 'Stories' section of the Admin Panel. On the left is an orange navigation sidebar with options like Users, CMS Pages, Missions, Mission Themes, Mission Skills, Mission Applications, Stories (which is selected and highlighted in orange), and Banner Management. The main area has a header with the date 'Saturday, April 29, 2023, 3:27 AM' and a user profile for 'Gavin Belson'. Below the header is a search bar labeled 'Search'. A table lists four stories:

Story Title	User Name	Mission Title	Status	Actions
A Lorem Story Title	John Doe	Grow Trees - On the path to environment sustainability	Published	View Delete Edit
A Lorem Story Title	John Doe	Education supplies for every pair of shoes sold	Declined	View Edit Delete
A Lorem Story Title	Ada Lovelace	Animal welfare & save birds campaign	Published	View Delete Edit
A Lorem Story Title	Ada Lovelace	Grow Trees - On the path to environment sustainability	Published	View Delete Edit

At the bottom right are navigation icons for first, previous, next, last, and search.

Fig. 9.12 Published Stories

9.8 BANNER MANAGEMENT

The banners displayed on all authentication pages are managed by the Admin through this screen. He can add or delete new banners and specify the sort order for them.

The banners carousel will be displayed in the specified sort order by the Admin.

Saturday, April 29, 2023, 3:31 AM

Gavin Nelson

Banner Management

Search

+ Add

Image	Order	Action
	1	
	2	

« < 1 > »

Fig. 9.13 Banners List

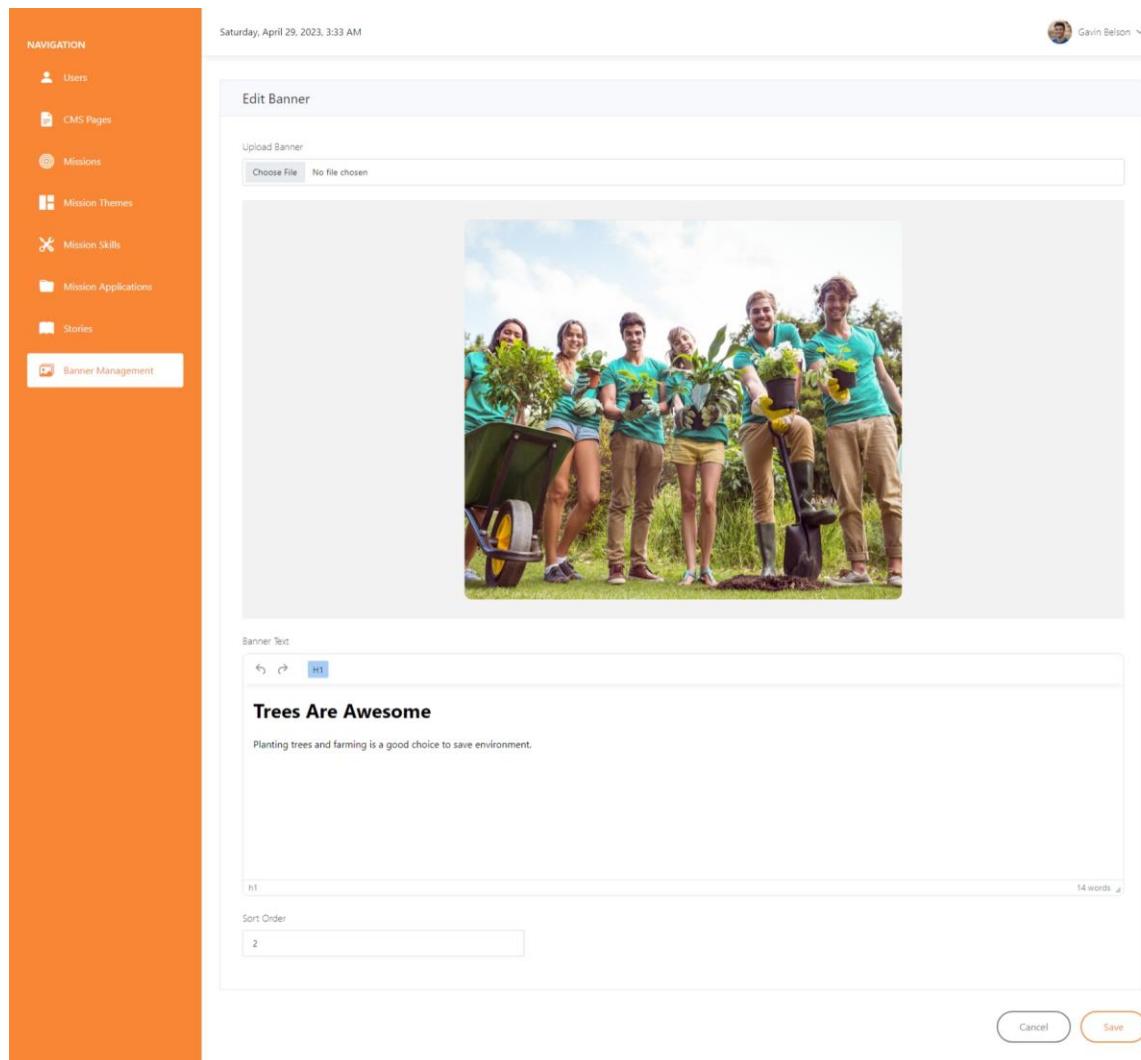


Fig. 9.14 Add / Edit Banner

CHAPTER 10. DIAGRAMS

10.1 USE CASE DIAGRAM

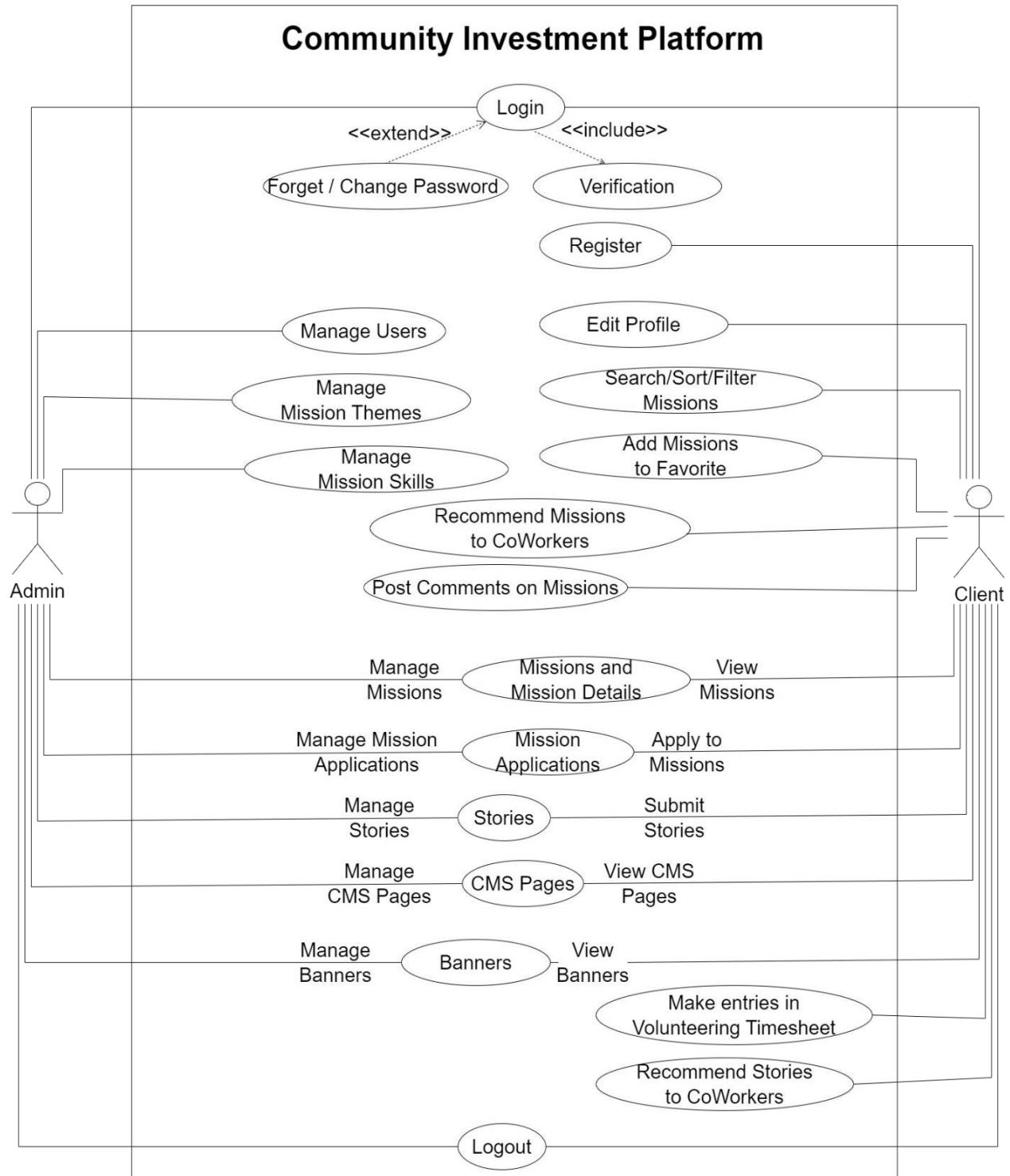


Fig. 10.1 Use Case Diagram

10.2 CLASS DIAGRAM

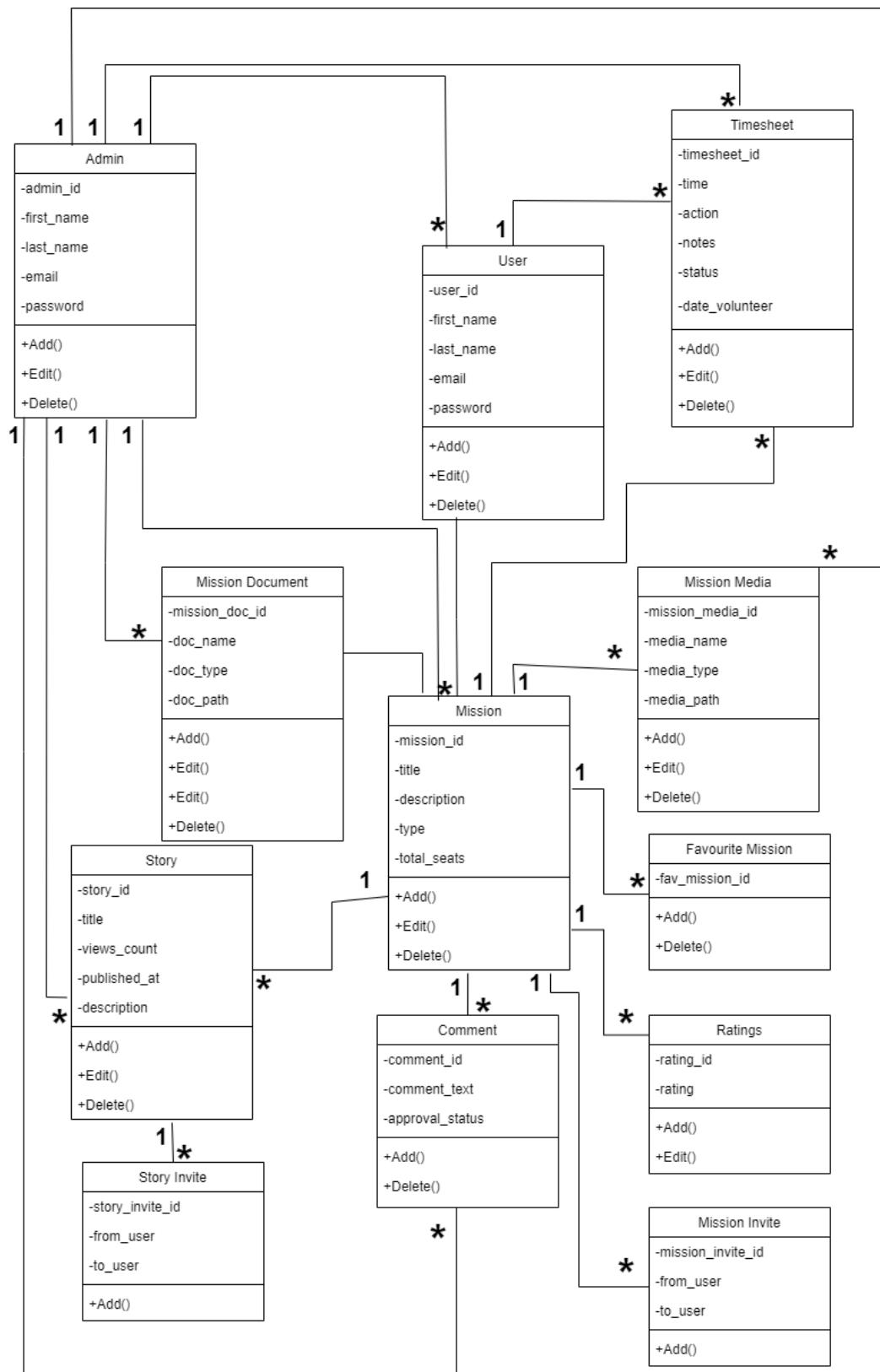


Fig. 10.2 Class Diagram

10.3 SEQUENCE DIAGRAM

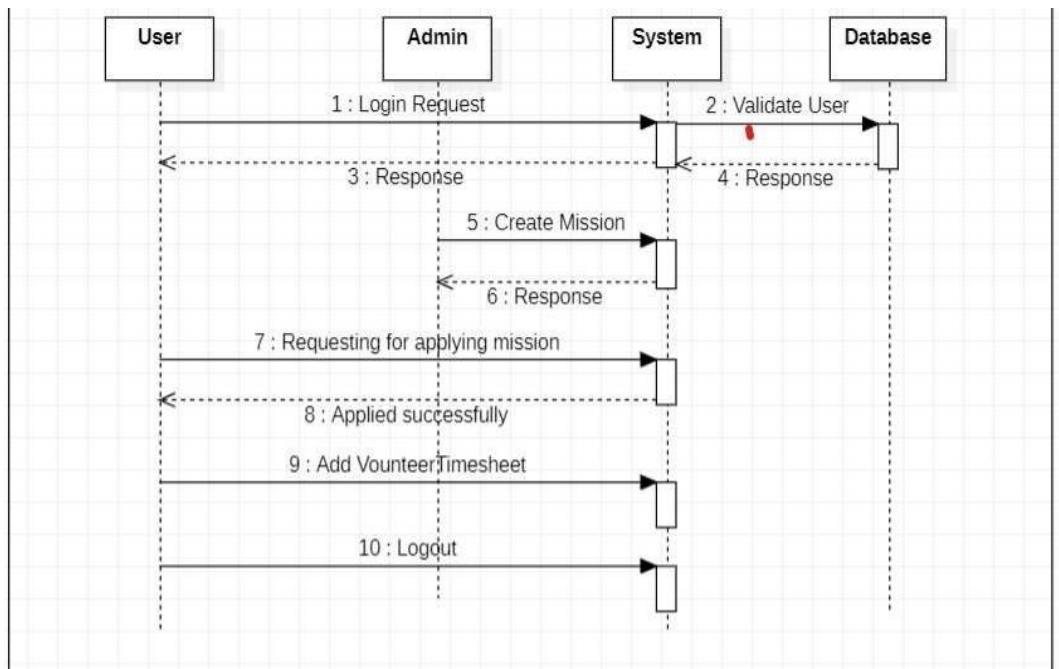


Fig. 10.3 Sequence Diagram

10.4 E-R DIAGRAM

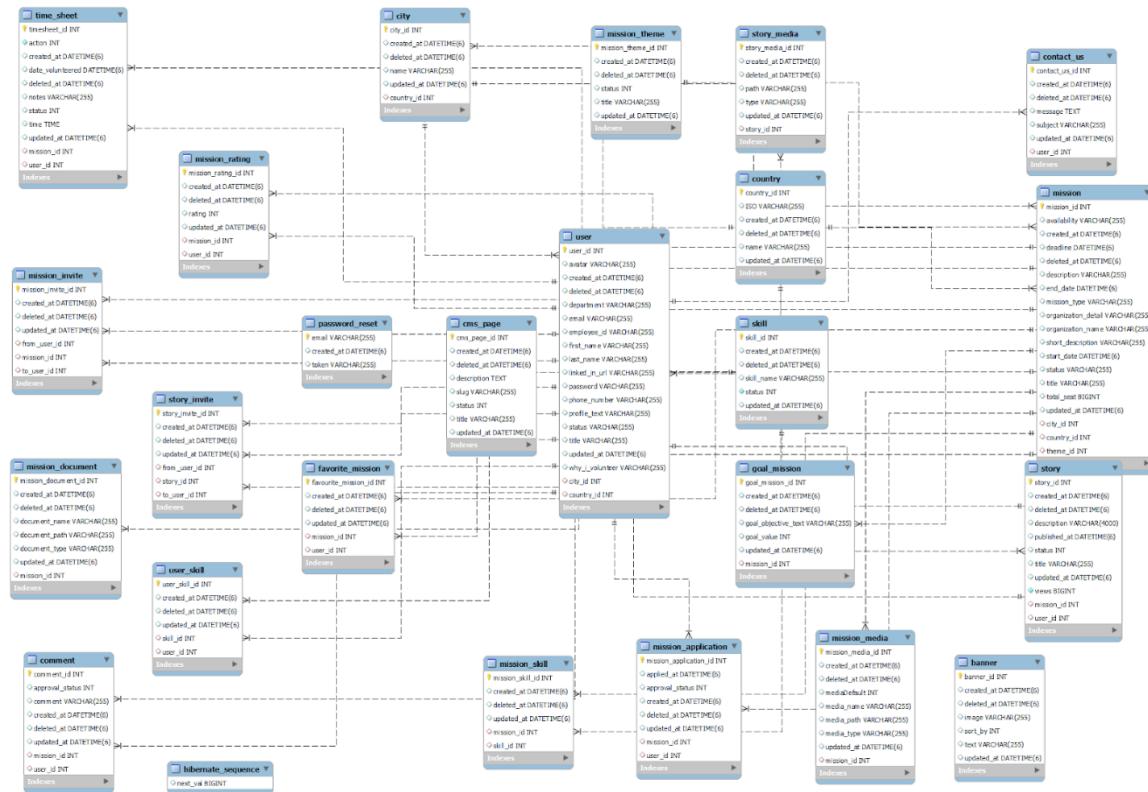


Fig. 10.4 E-R Diagram

10.5 DATA DICTIONARY

10.5.1 Banner

Table : banner							
Field	Type	Size	Null	Default	Extra	Attribute	Key
banner_id	bigint	20	No	None	AUTO_INCREMENT	UNSIGNED	Primary Key
image	varchar	512	No	None	-		
text	text						
sort_order	int	11		0			
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.2 City

Table : city							
Field	Type	Size	Null	Default	Extra	Attribute	Key
city_id	bigint	20	No	None	AUTO_INCREMENT	UNSIGNED	Primary Key
country_id	bigint	20	No	None	-	UNSIGNED	FK (country.country_id)
name	varchar	255	No	None			
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.3 Comment

Table : comment							
Field	Type	Size	Null	Default	Extra	Attribute	Key
comment_id	bigint	20	No	None	AUTO_INCREMENT	UNSIGNED	Primary Key
user_id	bigint	20	No	None	-	UNSIGNED	FK (user.user_id)
mission_id	bigint	20	No	None	-	UNSIGNED	FK (mission.mission_id)
approval_status	enum	PENDING, PUBLISHED	No	PENDING			
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.4 Country

Table : country							
Field	Type	Size	Null	Default	Extra	Attribute	Key
country_id	bigint	20	No	None	AUTO_INCREMENT	UNSIGNED	Primary Key
name	varchar	255	No	None			
ISO	varchar	16	Yes	None			
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.5 CMS Page

Table : cms_page							
Field	Type	Size	Null	Default	Extra	Attribute	Key
cms_page_id	bigint	20	No	None	AUTO_INCREMENT	UNSIGNED	Primary Key
title	varchar	255					
description	text						
slug	varchar	255	No	None	-	-	-
status	enum	0,1		1			
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.6 Favorite Mission

Table : favorite_mission							
Field	Type	Size	Null	Default	Extra	Attribute	Key
<i>favorite_mission_id</i>	<i>bigint</i>		20	No	<i>None</i>	<i>AUTO_INCREMENT</i>	<i>UNSIGNED Primary Key</i>
<i>user_id</i>	<i>bigint</i>		20	No	<i>None</i>	-	<i>UNSIGNED FK (user.user_id)</i>
<i>mission_id</i>	<i>bigint</i>		20	No	<i>None</i>	-	<i>UNSIGNED FK (mission.mission_id)</i>
<i>created_at</i>	<i>timestamp</i>	-		No	<i>CURRENT_TIMESTAMP</i>	-	-
<i>updated_at</i>	<i>timestamp</i>	-		Yes	<i>Null</i>	-	-
<i>deleted_at</i>	<i>timestamp</i>	-		Yes	<i>Null</i>	-	-

10.5.7 Goal Mission

Table : goal_mission							
Field	Type	Size	Null	Default	Extra	Attribute	Key
<i>goal_mission_id</i>	<i>bigint</i>		20	No	<i>None</i>	<i>AUTO_INCREMENT</i>	<i>UNSIGNED Primary Key</i>
<i>mission_id</i>	<i>bigint</i>		20	No	<i>None</i>	-	<i>UNSIGNED FK (mission.mission_id)</i>
<i>goal_objective_text</i>	<i>varchar</i>		255	Yes	<i>Null</i>		
<i>goal_value</i>	<i>int</i>		11	No	<i>None</i>		
<i>created_at</i>	<i>timestamp</i>	-		No	<i>CURRENT_TIMESTAMP</i>	-	-
<i>updated_at</i>	<i>timestamp</i>	-		Yes	<i>Null</i>	-	-
<i>deleted_at</i>	<i>timestamp</i>	-		Yes	<i>Null</i>	-	-

10.5.8 Mission

Table : mission							
Field	Type	Size	Null	Default	Extra	Attribute	Key
<i>mission_id</i>	<i>bigint</i>		20	No	<i>None</i>	<i>AUTO_INCREMENT</i>	<i>UNSIGNED Primary Key</i>
<i>theme_id</i>	<i>bigint</i>		20	No	<i>None</i>	-	<i>UNSIGNED FK (mission_theme.mission_theme_id)</i>
<i>city_id</i>	<i>bigint</i>		20	No	<i>None</i>	-	<i>UNSIGNED FK (city.city_id)</i>
<i>country_id</i>	<i>bigint</i>		20	No	<i>None</i>	-	<i>UNSIGNED FK (country.country_id)</i>
<i>title</i>	<i>varchar</i>		128	No	<i>None</i>		
<i>short_description</i>	<i>text</i>						
<i>description</i>	<i>text</i>			Null			
<i>start_date</i>	<i>datetime</i>		yes	Null			
<i>end_date</i>	<i>datetime</i>		yes	Null			
<i>mission_type</i>	<i>enum</i>		TIME, GOAL	No	<i>None</i>		
<i>status</i>	<i>enum</i>		0,1				
<i>organization_name</i>	<i>varchar</i>		255	yes	<i>Null</i>	-	
<i>organization_detail</i>	<i>text</i>			yes	<i>Null</i>		
<i>availability</i>	<i>enum</i>		daily, weekly	yes	<i>Null</i>		
<i>created_at</i>	<i>timestamp</i>	-		No	<i>CURRENT_TIMESTAMP</i>	-	-
<i>updated_at</i>	<i>timestamp</i>	-		Yes	<i>Null</i>	-	-
<i>deleted_at</i>	<i>timestamp</i>	-		Yes	<i>Null</i>	-	-

10.5.9 Mission Application

Table : mission_application							
Field	Type	Size	Null	Default	Extra	Attribute	Key
<i>mission_application_id</i>	<i>bigint</i>		20	No	<i>None</i>	<i>AUTO_INCREMENT</i>	<i>UNSIGNED Primary Key</i>
<i>mission_id</i>	<i>bigint</i>		20	No	<i>None</i>	-	<i>UNSIGNED FK (mission.mission_id)</i>
<i>user_id</i>	<i>bigint</i>		20	No	<i>None</i>	-	<i>UNSIGNED FK (user.user_id)</i>
<i>applied_at</i>	<i>datetime</i>			No			
<i>approval_status</i>	<i>enum</i>		PENDING, APPROVE, DECLINE	No	<i>PENDING</i>		
<i>created_at</i>	<i>timestamp</i>	-		No	<i>CURRENT_TIMESTAMP</i>	-	-
<i>updated_at</i>	<i>timestamp</i>	-		Yes	<i>Null</i>	-	-
<i>deleted_at</i>	<i>timestamp</i>	-		Yes	<i>Null</i>	-	-

10.5.10 Mission Documents

Table : mission_document							
Field	Type	Size	Null	Default	Extra	Attribute	Key
mission_document_id	bigint	20	No	None	AUTO_INCREMENT	UNSIGNED	Primary Key
mission_id	bigint	20	No	None	-	UNSIGNED	FK (mission.mission_id)
document_name	varchar	255					
document_type	varchar	255					
document_path	varchar	255	Yes	None			
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.11 Mission Invite

Table : mission_invite							
Field	Type	Size	Null	Default	Extra	Attribute	Key
mission_invite_id	bigint	20	No	None	AUTO_INCREMENT	UNSIGNED	Primary Key
mission_id	bigint	20	No	None	-	UNSIGNED	FK (mission.mission_id)
from_user_id	bigint	20	No	None	-	UNSIGNED	FK (user.user_id)
to_user_id	bigint	20	No	None	-	UNSIGNED	FK (user.user_id)
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.12 Mission Media

Table : mission_media							
Field	Type	Size	Null	Default	Extra	Attribute	Key
mission_media_id	bigint	20	No	None	AUTO_INCREMENT	UNSIGNED	Primary Key
mission_id	bigint	20	No	None	-	UNSIGNED	FK (mission.mission_id)
media_name	varchar	64					
media_type	varchar	4					
media_path	varchar	255	Yes	None			
default	enum	[0,1]		0			
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.13 Mission Rating

Table : mission_rating							
Field	Type	Size	Null	Default	Extra	Attribute	Key
mission_rating_id	bigint	20	No	None	AUTO_INCREMENT	UNSIGNED	Primary Key
user_id	bigint	20	No	None	-	UNSIGNED	FK (user.user_id)
mission_id	bigint	20	No	None	-	UNSIGNED	FK (mission.mission_id)
rating	enum	1,2,3,4,5	No	None			
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.14 Mission Skill

Table : mission_skill							
Field	Type	Size	Null	Default	Extra	Attribute	Key
mission_skill_id	bigint	20	No	None	AUTO_INCREMENT	UNSIGNED	Primary Key
skill_id	bigint	20	No	None	-	UNSIGNED	FK (skill.skill_id)
mission_id	bigint	20	Yes	Null	-	UNSIGNED	FK (mission.mission_id)
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.15 Mission Theme

Table : mission_theme							
Field	Type	Size	Null	Default	Extra	Attribute	Key
<i>mission_theme_id</i>	<i>bigint</i>	20	No	None	<i>AUTO_INCREMENT</i>	<i>UNSIGNED</i>	<i>Primary Key</i>
title	varchar	255					
status	tinyint	1	No	1			
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.16 Password Reset

Table : password_reset							
Field	Type	Size	Null	Default	Extra	Attribute	Key
email	varchar	191	No	None	-	-	-
token	varchar	191	No	None	-	-	-
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-

10.5.17 Skill

Table : skill							
Field	Type	Size	Null	Default	Extra	Attribute	Key
<i>skill_id</i>	<i>int</i>	11	No	None	<i>AUTO_INCREMENT</i>	<i>UNSIGNED</i>	<i>Primary Key</i>
skill_name	varchar	64					
status	tinyint	1	No	1			
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.18 Story

Table : story							
Field	Type	Size	Null	Default	Extra	Attribute	Key
<i>story_id</i>	<i>bigint</i>	20	No	None	<i>AUTO_INCREMENT</i>	<i>UNSIGNED</i>	<i>Primary Key</i>
<i>user_id</i>	<i>bigint</i>	20	No	None	-	<i>UNSIGNED</i>	<i>FK (user.user_id)</i>
<i>mission_id</i>	<i>bigint</i>	20	No	None	-	<i>UNSIGNED</i>	<i>FK (mission.mission_id)</i>
title	varchar	255	yes	Null			
description	text		Yes	Null			
		DRAFT, PENDING, PUBLISHED, DECLINED	No	DRAFT			
status	enum						
published_at	timestamp	-	Yes	Null	-	-	-
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.19 Story Invite

Table : story_invite							
Field	Type	Size	Null	Default	Extra	Attribute	Key
story_invite_id	bigint	20	No	None	AUTO_INCREMENT	UNSIGNED	Primary Key
story_id	bigint	20	No	None	-	UNSIGNED	-
from_user_id	bigint	20	No	None	-	UNSIGNED	-
to_user_id	bigint	20	No	None	-	UNSIGNED	-
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.20 Story Media

Table : story_media							
Field	Type	Size	Null	Default	Extra	Attribute	Key
story_media_id	bigint	20	No	None	AUTO_INCREMENT	UNSIGNED	Primary Key
story_id	bigint	20	No	None	-	UNSIGNED	FK (story.story_id)
type	varchar	8	No	None	-	-	-
path	text		No	None	-	-	-
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.21 Timesheet

Table : timesheet							
Field	Type	Size	Null	Default	Extra	Attribute	Key
timesheet_id	bigint	20	No	None	AUTO_INCREMENT	UNSIGNED	Primary Key
user_id	bigint	20	Yes	Null	-	UNSIGNED	FK (user.user_id)
mission_id	bigint	20	Yes	Null	-	UNSIGNED	FK (mission.mission_id)
time	time		Yes	None	-	-	-
action	int	11	Yes	None	-	-	-
date_volunteered	datetime		No	None	-	-	-
notes	text		Yes	None	-	-	-
		APPROVED, DECLINED, SUBMIT_FO R_APPROVA					
status	enum	L	No	PENDING	-	-	-
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.22 User

Table : user							
Field	Type	Size	Null	Default	Extra	Attribute	Key
user_id	bigint	20	No	None	AUTO_INCREMENT	UNSIGNED	Primary Key
first_name	varchar	16	Yes	Null	-	-	-
last_name	varchar	16	Yes	Null	-	-	-
email	varchar	128	No	None	-	-	-
password	varchar	255	No	None	-	-	-
phone_number	int	11	No	None	-	-	-
avatar	varchar	2048	Yes	Null	-	-	-
why_i_volunteer	text		Yes	Null	-	-	-
employee_id	varchar	16	Yes	Null	-	-	-
department	varchar	16	Yes	Null	-	-	-
city_id	bigint	20	No	None	-	UNSIGNED	FK (city.city_id)
country_id	bigint	20	No	None	-	UNSIGNED	FK (country.country_id)
profile_text	text		Yes	Null	-	-	-
linked_in_url	varchar	255	Yes	Null	-	-	-
title	varchar	255	Yes	Null	-	-	-
status	enum	0,1	No	1	-	-	-
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

10.5.23 User Skill

Table : user_skill							
Field	Type	Size	Null	Default	Extra	Attribute	Key
<i>user_skill_id</i>	<i>bigint</i>	20	No	<i>None</i>	<i>AUTO_INCREMENT</i>	<i>UNSIGNED</i>	<i>Primary Key</i>
<i>user_id</i>	<i>bigint</i>	20	No	<i>None</i>	-	<i>UNSIGNED</i>	<i>FK (user.user_id)</i>
<i>skill_id</i>	<i>bigint</i>	20	No	<i>None</i>	-	<i>UNSIGNED</i>	<i>FK (skill.skill_id)</i>
created_at	timestamp	-	No	CURRENT_TIMESTAMP	-	-	-
updated_at	timestamp	-	Yes	Null	-	-	-
deleted_at	timestamp	-	Yes	Null	-	-	-

CHAPTER 11. CONCLUSION

We learnt many new concepts and technologies during our internship like ASP.NET Core MVC, Entity Framework, Bootstrap and SQL Server. Using these technologies collectively we were able to develop a nice-looking web application. By doing this internship, we learnt what is the role of a Software Engineer in the industry and how to work on Frontend and the Backend side of web development.

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