CI Platform(Community Investment)

A Project Report

Submitted by

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111

Information Technology

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CERTIFICATE

This is to certify that the project report submitted along with the project entitled **CI Platform** has been carried out by **Savaliya Varun Nileshbhai** under my guidance in partial fulfilment for the degree of Bachelor of Engineering in Information Technology, 8th Semester of Gujarat Technological University, Ahmedabad during the academic year 2022-23.

Prof. Rimpal Popat

Dr. Rahul vaghela

Internal Guide

Head of the Department





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DECLARATION

We hereby declare that the Internship report submitted along with the Internship entitled **.NET Trainee** submitted in partial fulfilment for the degree of Bachelor of Engineering in Information Technology to Gujarat Technological University, Ahmedabad, is a Bonafede record of original project work carried out by me at Tatvasoft under the supervision of Prof. RIMPAL POPAT 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.

Sign of Student

Acknowledgment

I am thankful to Aditya Silver oak Institute of Technology for giving me an opportunity to develop this project. of Prof. RIMPAL POPAT (Internal Guide) is the main force behind all these. The project became successful only because of their valuable suggestions, proper co-operation and complete guidance in developing this project. It was also the support from the staff members who spend their valuable time in providing us all the relevant and confidential college information which has helped us in preparing our project.

I am thankful to my guide who is the real source of inspiration and encouragement. Her constant help, thoughtful suggestions and deep interest has enabled me to make this project successful. I also express my sincere thanks to our H.O.D, who allowed to use all the resources of the institute.

I am thankful to all our staff members who helped continuously and inspired me in the project.

Yours sincerely,

Abstract

Project Abstract:

CI (Community investment / corporate social investment / Community social 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.

Project Keyword: Community Social Investment, ASP. Net Core

Table of Contents

Acknowledgment4
Abstract5
Overview of the Company8
1.1 About Company8
1.2 Different product/ scope of work8
1.3 Services8
Overview of different department9
2.1 List the technical specifications of major equipment used in each department.9
2.2 Prepare schematic layout which shows the sequence of operation for manufacturing of end product
2.3 Explain in details about each stage of production10
Introduction to Project13
3.1 Project Summary13
3.2 Purpose
3.3 Objective
3.4 Scope
3.5 Technology and Literature Review16
3.6 Project Planning18
3.6.1 Roles and Responsibilities18
System Design
4.1 System Design & Methodology20
4.2 Database Design20
4.3 System Procedural Design21
4.3.1 Design Pseudo code or algorithm for method or operation21
Implementation23
5.1 Implementation Platform23
5.2 Technology Specification23
Results25
Testing41
7.1 Testing Plan/ Strategy41

Conclusion and Discussion	42
8.1 Overall Analysis of Internship	42
References	43

Overview of the Company

1.1 About Company

Tatvasoft is a Consummate Custom Software Development company delivering splendid business IT Solutions and related services to customers across the globe. Its 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. Its proficiency in understanding business challenges and professional competence allows us to create a better experience for our customers.

Tatvasoft have emerged and marked their presence in different continents by providing software development services to all major Industry Domains.

1.2 Different product/ scope of work

It provides the work in many fields like Smart City, Organ Transplant Care, Learning Management System, School Management System, Online Learning For Schools, Forex Solution, Insurance Transportation And Language Services, Records Management System, Law Enforcement Application, ERP Solutions etc

The famous work that company had done are Anglo-American, Macquarie University, FIJI Airways, Brightstar, SSE, mayflower, Xerox, PepsiCo, KFC etc

1.3 Services

Tatvasoft provides services in following field Web Development, Dedicated Development Team, Product Development, Ecommerce Development, Custom Software Development, Mobile Apps Development, Software Testing & QA, UI/UX Design.

1.4 Capacity of Plant

It has a capacity of approx. 1500 employee.

Overview of different department

2.1 List the technical specifications of major equipment used in each department.

Backend

- Java
- Node Js
- PHP
- ROR
- .Net

Frontend

- Angular
- React
- Vue.js

Database

- Microsoft SQL Server
- PostgreSQL
- ElasticSearch
- MySQL
- mongoDB
- Cassandra
- Oracle

Clouds & DevOps

- AWS
- GoogleCloud
- Docker
- Jenkins
- Kubernates
- Azure

Mobile

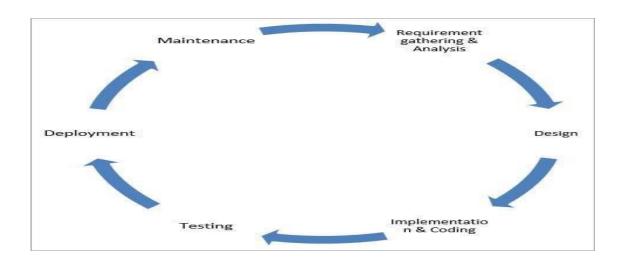
- IOS
- Android

- React Native
- Flutter
- Xamarin

2.2 Prepare schematic layout which shows the sequence of operation for manufacturing of end product

The production is carried out in following steps

- 1. Planning
- 2. Analysis
- 3. Design
- 4. Implementation
- 5. Testing and Integration
- 6. Maintenance



2.3 Explain in details about each stage of production

1) Requirement Gathering and Analysis

We have collected all the information regarding project. Once requirement gathering is done, an analysis is done to check the feasibility of the

development of a product. Once the requirement is clearly understood, the SRS (Software Requirement Specification) document is created. This document should be thoroughly understood by the developers and also be reviewed by the customer.

2) Design

In this phase, the requirement gathered in the SRS document is used as an input and software architecture that is used for implementing system development is derived. We have design all the public pages like homepage, FAQ Page, contact us page, about us page, login page, signup page etc through HTML, CSS, JavaScript.

3) Implementing or Coding

Implementation/Coding started according to the requirement. The Software design is translated into source code. All the components of the software are implemented in this phase.

Php, jQuery etc. is used for implementation. We used MVC Structure to for implementation.

4) Testing

Testing starts once the coding is complete and the modules are released for testing. In this phase, the developed software is tested thoroughly and any defects found are assigned back to get them fixed. Testers refer SRS document to make sure that the software is as per the customer's standard.

5) Deployment

Once the product is tested, it is deployed in the production environment or first <u>UAT (User Acceptance testing)</u> is done depending on the customer expectation.

6) Maintenance

After the deployment of a product on the production environment, maintenance of the product i.e., if any issue comes up and needs to be fixed or any enhancement is to be done is taken care by the developersz

Introduction to Project

3.1 Project Summary

CI (Community investment / corporate social investment / Community social 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.

Users:

User can enter their details and join the platform.

Service Providers:

These are the main users of the portal. They provide many of the missions in all over the world .it connects with many countries. They helps those people who enthusiasm for volunteering.

• Administration users (Administrators) :

Admin or Backoffice users would be helping people or service providers through the admin interface. For example, if any customer is having trouble cancelling or rescheduling the service request then admin can help using the admin interface.

3.2 Purpose

The main purpose of this project is to first of all trying to bring the service work online. Here users simply apply the service missions and got the service at time and also the service providers can get the mission details and can easily provide the mission details So here all process become very easy and also, we can get the work as per our intrest in the social worker. All the things become digital so in that we can get the perfect record of all things and having less chance of any issues.

3.3 Objective

- Experienced and vetted professionals dominate the industry in scale and scope with an adaptable, extensive network that consistently delivers exceptional results.
- Every volunteering to our community is insured and seek to provide exceptional services and engage in proactive behaviour.
- Admins provide the best services for social workers who enthusiastic for social volunteering be a part of our community.
- Secure user details and easy to processed online. .main objective that we provide best community services in online platform.

3.4 Scope

Our software is easy to use for both beginners and advanced users.

It features a familiar and well thought-out, an attractive user interface, combined with strong searching insertion.

➤ Some Features-:

- Insured best missions
- Easy to apply Procedure
- Friendly users Service
- Secure Online Method
- Friendly appropriate behaviour
- Transparent and Secure application

3.5 Technology and Literature Review

Literature Review/Background Study

- We study all the existing system and they also provided the features for this project
- Also, many users faced problems regarding the user-friendly system.
- However, we got idea to provide the service with extra features and more user- friendly way.

Technology

The front end used in our project is jQuery, HTML, JavaScript, CSS, and the back end used is MySQL. We will follow the Iterative model for developing this Project and whole Project will be developed using the SDLC scenario.

HTML

HTML an initialize of Hyper Text Markup Language for web pages. It provides a means to describe the structure of text-based information in document by denoting text as headings, paragraphs, lists and so on and to supplement that text with interactive forms, embedded images and other objects.

JavaScript

JavaScript supports the development of both client and server components of applications. On the client side, it can be used to write programs that are executed by a web browser within the context of the web page. On the server side, it can be used to write web server programs that can be process information submitted by a web browser and then update the web browser display accordingly.

SQL

- SQL (Structured Query Language) is a special-purpose programming language designed for managing data held in a relational database management system (RDBMS).
- Originally based upon relational algebra and tuple relational calculus, SQL consists of a data definition language and a data manipulation language.
- The scope of SQL includes data insert, query, update and delete, schema creation and modification, and data access control. Although SQL is often described as, and to a great extent is, a declarative language, it also includes procedural elements.
- Data Definition: Defining tales and structure in the database.
- Data manipulation: Used to manipulate the data within those schema objects.

.NET

• NET 6 unifies the SDK, base libraries, and runtime across mobile, desktop, IoT, and cloud apps. In addition to this unification, the . NET 6 ecosystem offers: Simplified development: Getting started is easy.

Features

- NET Core MVC and Razor improvements.
- NET Core Performance and API improvements.
- SignaIR performance improvements.
- Razor compiler updated to use source generators.
- Razor compiler no longer produces a separate views assembly.
- Reduce the size of System.IO.Pipelines.pipe from 368 bytes to 264 bytes. For every connection that is established, two pipes are allocated in Kestrel.

3.6 Project Planning

Project Planning is concerned with identifying and measuring the activities, milestones and deliverables produced by the project. Project planning is undertaken and completed sometimes even before any development activity starts. Project planning consists of following essential activities:

- Scheduling manpower and other resources needed to develop the system.
- Staff organization and staffing plans.
- Risk identification, analysis, and accurate planning.
- Estimating some of the basic attributes of the project like cost, duration and efforts.

The effectiveness of the subsequent planning activities is based on the accuracy of these estimations. Project management involves planning, monitoring and control of the people, process and the events that occurs as the software evolves from a preliminary concept to an operational implementation. Cost estimation is a relative activity that is concerned with the resources required to accomplish the project plan.

3.6.1 Roles and Responsibilities

• Users:

User can enter their details and join the platform.

Service Providers:

These are the main users of the portal. They provide many of the missions in all over the world .it connects with many countries. They helps those people who enthusiasm for volunteering.

• Administration users (Administrators)

Admin or Backoffice users would be helping people or service providers through the admin interface. For example, if any customer is having trouble cancelling or rescheduling the service request then admin can help using the admin interface.

299326 System Design

System Design

4.1 System Design & Methodology

Systems design is the process of defining the architecture, components, modules, interfaces, and data for a system to satisfy specified requirements. The System Design Description report provides summary or detailed information about a system design represented by a model. Systems design is therefore the process of defining and developing systems to satisfy specified requirements of the user.

4.2 Database Design

Database design is the process of producing a detailed data model of a database. This logical data model contains all the needed logical and physical design choices and physical storage parameters needed to generate a design in a Data Definition Language, which can then be used to create a database. A fully attributed data model contains detailed attributes for each entity.

299326 System Design

4.3 System Procedural Design

4.3.1 Design Pseudo code or algorithm for method or operation

Admin Side

Step 1: Enter the URL to open the system

Step 2: Click on Login Button for Login

Step 3: Provide user name and password

Step 4: If username and password both is correct then it will login successfully.

Step 5: It shows admin page

Step 6: Admin can able to perform Many operations and Also Access to all pages.

Step 7: Admin contain service request which include UserId status (New, pending, Completed).

User Side

Step 1: Enter the URL to open the system

Step 2: Click on Login Button for Login

Step 3: Provide user name and password

Step 4: If username and password both is correct then it will login successfully.

Step 5: It shows mission page

Step 6: in that page it contains the mission details and other functionality

Step 7: Logout User.

299326 System Design

Service Provider

- Step 1: Enter the URL to open the system
- Step 2: Click on Login Button for Login
- Step 3: Provide user name and password
- Step 4: If username and password both is correct then it will login successfully.
- Step 5: It shows mission page
- Step 6: Service Provider contain New Service Request which is able to accept Service.
- Step 7: Service Provider contain Upcoming Services which is able cancel the request.
- Step 8: Service Provider contain Rating to rate service provider and also show history.
- Step 9: Logout from Service Provider.

299326 Implementation

Implementation

5.1 Implementation Platform

- Our project is suitable to all type of users like single and multi-users.
- Multi users are allowed to operate the website at the same time.
- We provide the interface which is user friendly.
- We have GUI (graphical user interface) by which all type of users can easily access the application.
- One user at a time and also multi users can access the website at the same time and use all the services.
- If we don't provide the GUI in the website then user won't like our website.
- For better performance and reliability, we have to include GUI in the website.
- So, for the more security and performance we use this.

5.2 Technology Specification

User Authentication

- Identification and authentication are used to establish a user's identity.
- Each user is required to log in to the system.

Password Protection

• Every user who is to be allowed to access the portal is given his own username and password and given his own access rights so that only authorized and authenticated users can access the project.

Confidentiality

- We provide confidentiality to all the users.
- In that one user cannot access the data of the other users.
- For that we provide one key to each user to secure its data.

299326 Implementation

Scalability

• We provide the scalable website to make sure that every user can access the website in a proper order.

• User likes those type of website which are in one particular order that user cannot wait for the usage of the services.

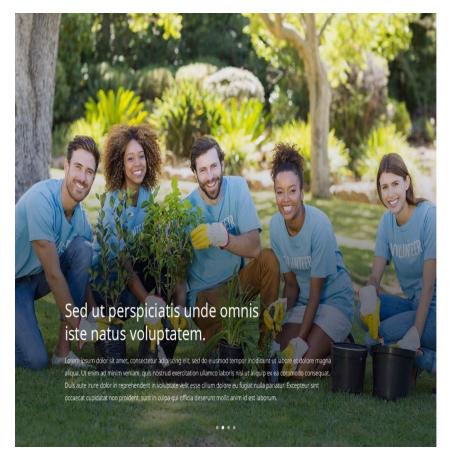
Results

Platform Login Page

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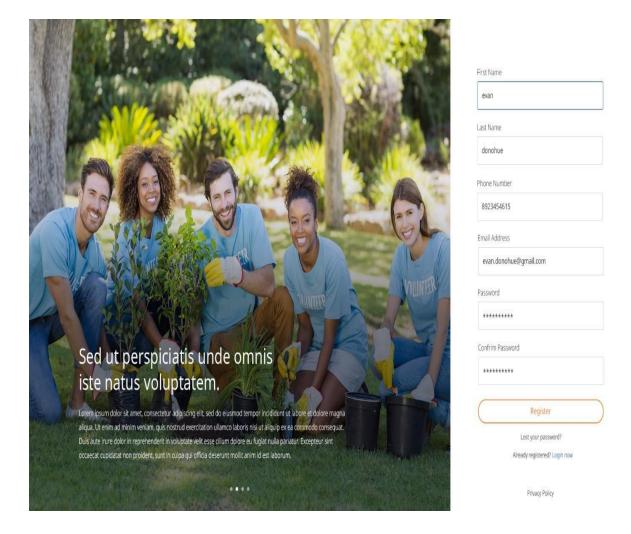
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	Login
	Lost your password?
Don'	t have an account? Create an account

Forgot Password page

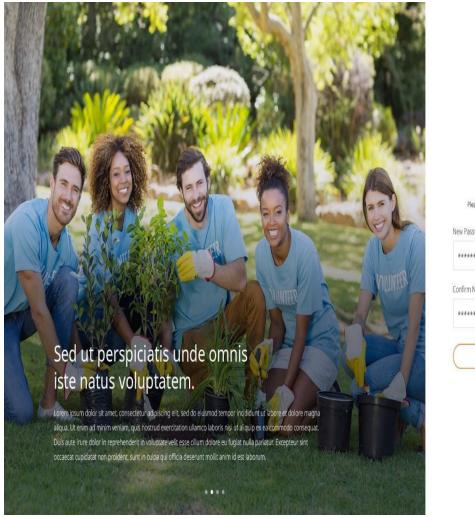




Registration Page

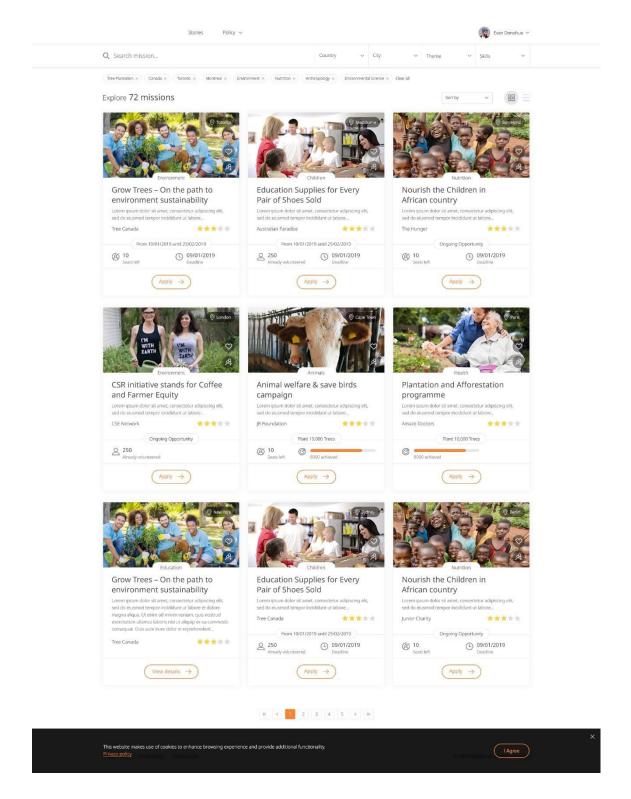


Reset Password Page

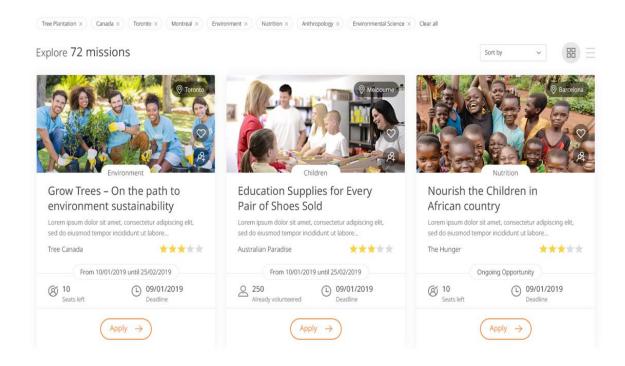


	New Password
Ple	ease enter a new password in the fields below.
New Pass	sword
****	****
Confirm I	New Password
****	****
	Change Password
	Login

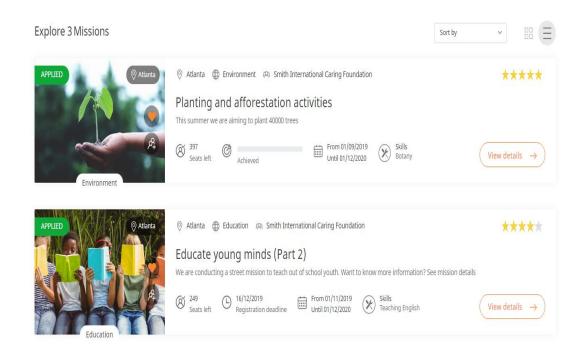
Platform Landing Page



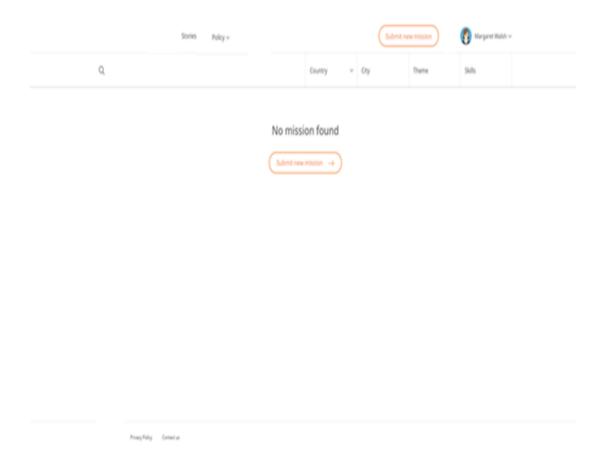
Grid View



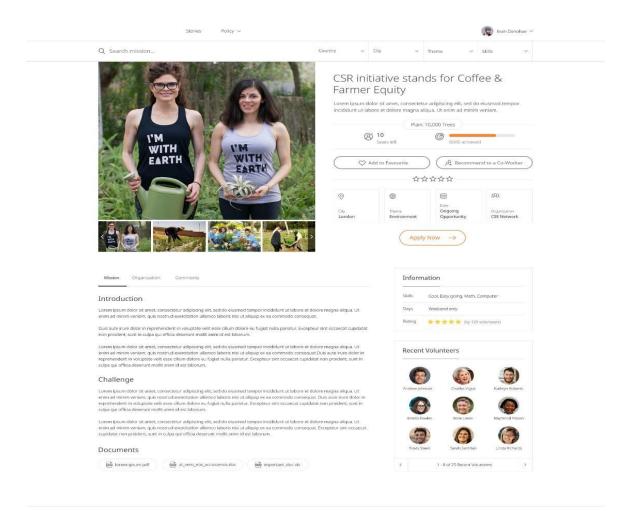
List View



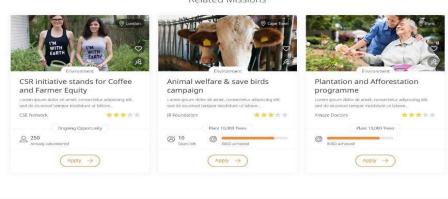
No Mission Found Page



Volunteering Mission page

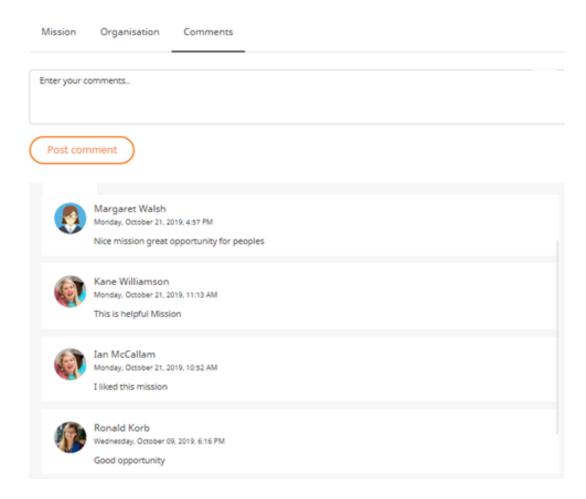


Related Missions

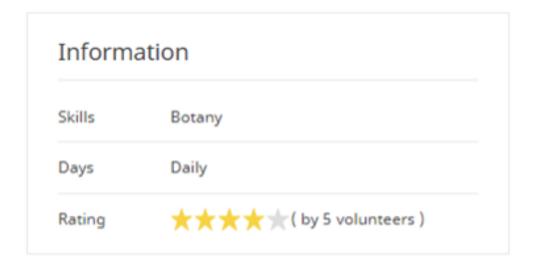


Privacy Policy

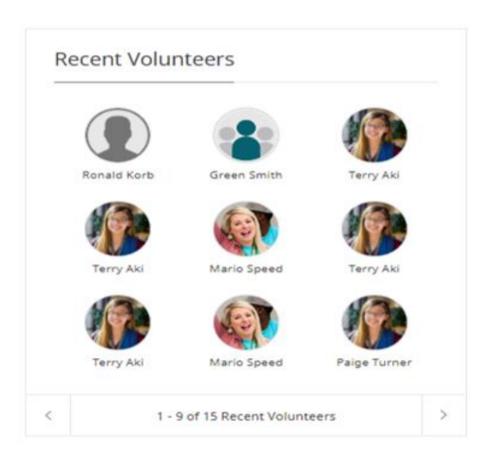
Comment Tab



Ratings

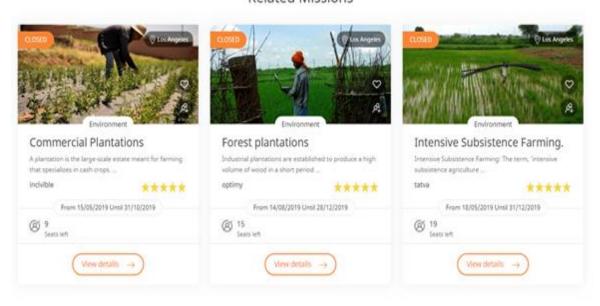


Recent Volunteer

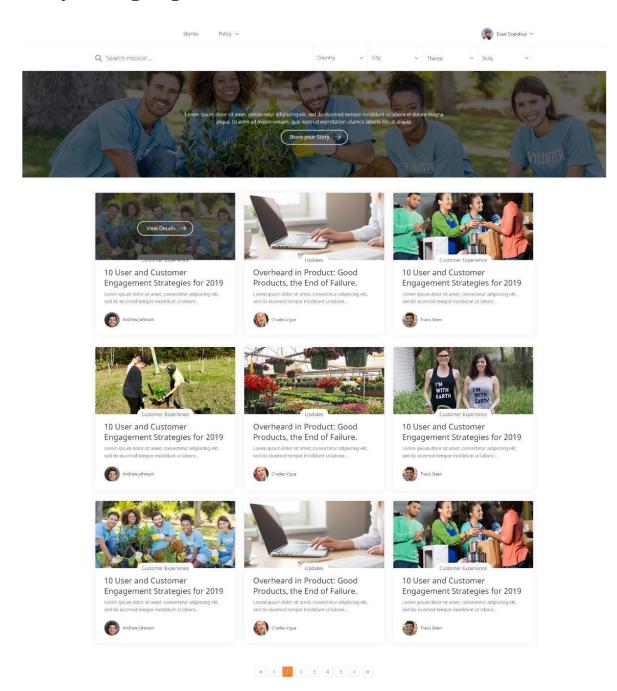


Related Missions

Related Missions



Story Listing Page

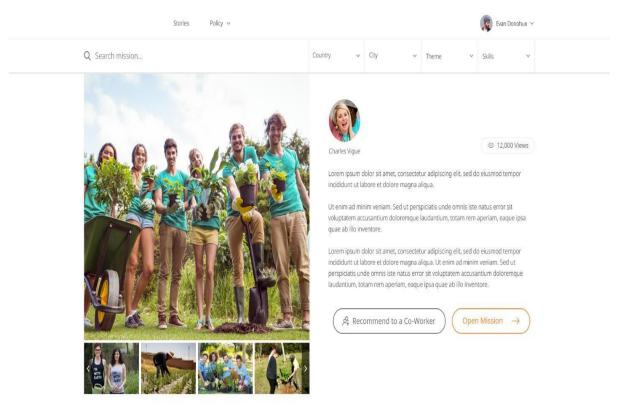


Privacy Policy

Share Your Story(add/edit story page)

Share your stor	My Story Title	Date	
Select your mission	Enter story title	Select date	
My Story			
B I S X ₂ x ² I _X			
Enter Video URL Enter your orl Upload your Photos			
	Drag and D	Trop Pictures and Video here	

Story Detail Page



Grow Tress - On the path to environment sustainbility

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We use these technologies for a number of purposes, such as:

- But I must explain to you how all this mistaken idea of denouncing pleasure and praising pain.
- At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque
 excepturi sint occaecati cupiditate non provident, similique sunt in culpa qui officia deserunt mollitia animi.
- $\bullet \ \ \text{On the other hand, we denounce with righteous indignation and dislike men who are so beguiled and demoralized}$
- $\bullet\;$ But I must explain to you how all this mistaken idea of denouncing pleasure and praising pain.
- Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

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Privacy Policy

User Edit Profile Page

Si	tories Policy V	Evan Donohue 🗸
	Basic Information	
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	Enter your name	Enter your surname
	Employee ID	Manager
	Enter your employee id	Enter your manager details
Evan Donohue	Title	Department.
	Enter your employee id	Enter your manager details
	My Profile*	
	Enter your comments	
	Why I Volunteer?	
	Enter your comments	
	Address Information	
	City	Country'
	Enter your city	Select your country
	Professional Information	
	Availablity	LinkedIn
	Select your availability	Enter linkedIn URL
	My Skills	
	Anthropology	
	Archeology	
	Astronomy	
	Computer Science Environmental Science	
	History	
	Add Skills	
		Save
Privary Poliny		

299326 Testing

Testing

7.1 Testing Plan/ Strategy

In this project we have done the manual testing to verify that all our functionality works properly or not. The testing process is carried out when we had completed the implementation of all the functionality So here the testing had been done at the end of the internship.

Conclusion and Discussion

8.1 Overall Analysis of Internship

During the internship first of all they gave the basic knowledge of our languages and then they gave the project. In project first of all we have to design the webpages according they have given as per the SRS (Software Requirements Specification) then we have to design the databases for our website. After designing the database, we have to integrate all the webpages with database and lastly, we have to do testing of our website. After completing the project, we have to upload the project to the GitHub.

299326 References

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