**Social Awareness Website**

# 1. Project Scope

## Purpose of the project

This project aims to provide an intuitive way for all people in the world to make their social issues known by others and hence promoting change in the world (Scholtz & Zita, 2016). The system developed will also give users a chance of advertising their small businesses to promote growth in the customer base.

## In scope

The following issues will be stipulated by the system in the system in the project scope:

1. Users are able to register into the system.
2. User are able to participate in raising awareness on social issues.
3. Users Can login into their accounts.
4. Users can advertise their businesses.

## Out of scope

The system will also encompass other functionalities that are out of the project scope in order to ensure that the functionality of the system in the production environment runs efficiently. These functionalities that are out of scope include:

Enable access tool via mobile and tablet devices.

## Constraints

The following are the constraints that must be adhered to in the implementation of the application:

1. The project must be developed within two months.
2. The project must be developed using the estimated the budget.
3. The project must meet all the target requirements to ensure that the delivered system is reliable.

## Assumptions

It is assumed that all the development tools used in this project are open source hence no commercial tools are used in the scope of this project.

# 2. Functional and non functional requirements

## Functional requirements

All the users of the system must go through a series of steps in order for them to achieve their goal in the system. Different users can do different actions in the system. For a user to use the system he/she must be registered and must be logged in. From the portal, the user can see all the items advertised by other users, can raise awareness issue and can also advertise his/her business.

## New user registration

This involves creating accounts for new users in the system by capturing all their personal details in the system. These details involve name, address, email, phone number among others. All users are required to accept certain terms and conditions regarding the website usage. After successful registration users are redirected to the login page.

## User Login

Registered user use their email address and password captured in the system during registration to access their user accounts. The user is redirected to the homepage of the website after the correct details are entered and verified. From the homepage the user can perform a series of actions that involve:

## Participate in social causes

The user can raise new awareness on a particular social issue or view the social issues posted by the other uses in the system. Users can give feedback to the issues that are posted by the other users in the application.

## Advertise business

The user can promote their business and get leads by advertising on the site what products are offered by their businesses.

## Non functional requirements

Non functional requirements involves all the capabilities or features of a system that ensure the usability and effectiveness of the system (Bahill & Madni, 2017). The following functional requirements must be ensured in the social awareness website:

1. Performance – the system must be able to return results at a fast rate when a particular user in the system prompts the system to perform some action
2. Scalability – the performance of the system should be able to remain at a higher with any change in workload.
3. Compatibility – this system should be portable in that the hardware, browsers and operating system on which it runs should not be conflicting with other processes and applications within the running environment. The system should ensure that the speed of operations is the same across all the platforms that it might be ported to.
4. Availability – this defines how often the system is likely to experience critical failures. This determines how much time the system is available to users against all the downtimes experienced when the system is running.
5. Security – the system should encompass adequate security measure to protect the confidentiality and integrity of data stored in the system.
6. Usability – the system should have a user interface that users can easily navigate with allot of ease. The user interface should observe all the Nielsen’s principles.

# 3. Project Deliverables

Project deliverables include all the outputs of the system, whether tangible or intangible that must be submitted within the scope of the system.

The following are the deliverables that must be made that are required:

* A functional Social Awareness website.
* User documentation.
* Development documents that involve requirements, interface specifications, test documents etc.

# 4. Project Goals and Objectives

The main goal of this project is to develop a social awareness web information system that will users a good platform where they can efficiently raise awareness about the social causes and bring about the changes that they would like to see in the present evolving world.

The main objectives of the system are:

* To lay an efficient and effective platform where people can raise their claims.
* To interconnect all people in the world through sharing and exchange of ideas.
* To develop and improve small and medium sized enterprises through advertisement of products.

# 5. Role allocation for team members

***Team Members***

|  |  |
| --- | --- |
| **Name** | **Role** |
| Revathi | Project manager |
| Paul Sundar Rachaprolu | Tester |
| Gurpreet kaur | Data analyst |
| Linh huu viet | Network designer |
| Trinadh sirasapalli | Database developer |
| Krishna teja Yalavarthi | Developer |
| Gurpreet kaur Tatla | Front end designer |

**Project Backlog Items**

|  |  |  |  |
| --- | --- | --- | --- |
| **User** | **User story** | **Acceptance Criteria** | **Priority** |
| USER 1 | As a web user, I would like to create an account in the social awareness website. | Users should be able to create new accounts in the system. | HIGH |
| USER 2 | As a user, I would like to login into the system using the login details used in registration. | Users should be able to login into the system using the login details used in registration. | HIGH |
| USER 3 | As a user, I would like an option to update my profile | Users must be able to update their profile. | HIGH |
| USER 4 | As a user, I would like to raise an awareness cause. | Users must be able to raise an awareness cause | HIGH |
| USER 5 | As a user, I would like to have the option to reset my password and log out from the user web page. | The users must have a page to reset the password and option for log out. | HIGH |
| USER 6 | As a user I would like to advertise my business in the site | The users must have a functionality to advertise their business in the site. | HIGH |
| USER 7 | As a user, I would like to contact other users directly. | The users must have a messaging functionality for users to communicate. | HIGH |

# 6. Stakeholder analysis

The following stakeholders are involved in the development of the social awareness website:

* Users of the system – These are the people who will be the end users of the application.
* Auditors and regulators – They monitor how things are managed in the project.
* Influencers – these are people who help in decision making to change the direction of the project.

# 7. Risk assessment

The social awareness platform is a system that will be used internationally and therefore it is exposed to millions of people who in the process of trying to use it might try to exploit any vulnerability in the system in order to access unauthorized information (Faustman & Omenn, 2008). This results to loss of data confidentiality and integrity, website defacement and denial of service condition.

The platform can also experience low performance as a result of heavy workloads resulting from high number of users accessing the site concurrently which outdoes its capabilities hence causing downtime.

These security issues can be managed by employing adequate security measures which include:

* Securing user accounts.
* Secure data in transit by disabling the use of Hypertext Transfer Protocol and enforce the use of Hypertext Transfer Protocol Secure.
* Secure the web application by enabling logging and auditing website logs on a regular basis.
* Implement content security policy too reduce any chance of an attacker from running malicious JavaScript on end user machine.
* Developing web application firewall to filter out malicious traffic.
* Audit third party code to validate that en users do not get any unexpected code.
* Implement cross-site scripting and cross-site forgery protections.
* Continuously and automatically backing up data in remote environment that is safe. All the disaster recovery scenarios should also be adequately tested to measure their effectiveness.

# 10. Change management plan

A change management plan is a roadmap which stipulates all the steps an particular organisation will follow to carry out the change management process (Paton & McCalman, 2008)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Change management deliverables** | **Descriptions** | **Start date** | **Due date** | **Duration** | **Status** |
| **1** | **Change assessments** | | | | | |
| 1. 1 | Program review | This involves reviewing and understanding the scope of the project and the factor driving the need for the change. | 22/11 | 25/11 | 4 days | Due date has passed |
| 1. 2 | Stakeholder analysis | It involves identification of key individuals that have a stake in running the system and transformations that happen in the system. | 22/11 | 3/12 | 12 days | In progress |
| 1.3 | Current state process mapping | This involves development of a visualized flow of the existing system structure | 4/12 | 9/12 | 6 days | pending |
| 1. 4 | Future state process designs |  | 10/12 | 15/12 | 6 days | pending |
| 1. 5 | Change impact assessment |  | 16/12 | 20/12 | 5 days | pending |
| 1. 6 | Change impact readout | It involves giving out a report summary of the findings from the change impact assessments. | 20/12 | 28/12 | 9 days | pending |
|  | Preliminary assessment | It involves assessing how the affected groups are ready for the change through conducting a high level review. | 29/12 | 4/1 | 7 days | pending |
| **2** | **Develop change plans** | | | | | |
| 2. 1 | Develop change management playbook | This playbook involves a summary of the change management communication, training, stakeholder engagement, resistance management and other change strategies. It provides an overview of the scope of the change impacts and change methodologies that will be applied and a review of the impacted groups and legacy tools that will be changed. | 5/1 | 16/1 | 10 days | pending |
| 2. 2 | Gather communication requirements | It involves the gathering of communication requirements from the change impact and the readiness of the stakeholders. It also involves identification of objectives of communication, requirements, messages and targets. | 17/1 | 24/1 | 8 days | pending |

**References**

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