Project Charter

Team Number: 10

Team Member Names: ​Rishabh Jeed, Nafis Bhamjee, Aamir Vidha, Mohammed Aadil Suhail Shaikh​

Team Name: Neon

Date: 05/23/2024

The project charter represents the first blueprint of the system. It is a statement of intent by your client of their desire to develop a software solution.

## Business Purpose

*A short descriptive statement about the purpose of the project. It should be very short, no more than 3 to 4 sentences.*

## Project Roles/Responsibilities

*These represent the roles and names of each member of the team and the responsibilities that each has. Include users who will assist with the project.*

|  |  |
| --- | --- |
| **Team Member Name** | **Project Role** |
| Mohammed Aadil Suhail Shaikh |  |
| Nafis Bhamjee |  |
| Aamir Vidha |  |
| Rishabh Jeed |  |

## Feature List

* + - **Dashboard:** A centralized dashboard providing an overview of key metrics, alerts, and other important information relevant to the user’s roles.
    - **User Authentication:** Secure login system with role-based access control to ensure only authorized users can access specific features and data.
    - **Reporting and Analytics:** Generate customizable reports and visualizations to analyze data, track performance, and make informed decisions. This could include charts, graphs, and data export options.
    - **Integration Capabilities:** Ability to integrate with other tools and platforms commonly used in the organization, such as email clients, CRM systems, and productivity apps.
    - **Mobile Responsiveness:** Ensure the app is optimized for mobile devices, allowing users to access and manage tasks on the go.
    - **Notifications and Alerts:** Provide customizable notifications and alerts to keep users informed about important updates, deadlines, and changes within the system.

## System Objectives

*System objectives are stated from the perspective of the Information Technology group. An example might be “that all transactions must provide less than 2 seconds response time”.*

## Project Critical Success Factors

*These represent the factors that will make the project a success. An example might be “that a business user is available to the project full time.”*

## Preliminary Technical Architecture

*C# ASP.Net along with the MS SQL database server.*

## Event Table

*A catalogue of use cases that lists events in rows and key pieces of information about each event in columns. The event table lists the business events that are to be part of the software solution.*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Event* | *Trigger* | *Source* | *Use*  *Case #* | *Use Case* | *Response* | *Destination* |
| *Customer wants to check item availability* | *Item Inquiry* | *Customer* | *UC01* | *Look up item availability* | *Item availability details are displayed* | *Customer* |
| *Time to produce summary report* | *End of month* |  | *UC02* | *Produce report* | *Customer report* | *Marketing* |
|  |  |  |  |  |  |  |

Explanation of table fields **(remove this before submitting):**

* Event: the event that causes the system to do something.
* Trigger: how does the system know the event occurred? For external events, this is data entering the system. For temporal events, it is a definition of the point in time that triggers the system processing.
* Source: for an external event, the actor is the source of the data. For temporal events, leave it blank.
* Use Case: what the system does when an event occurs?
* Response: output or result produced by the system.
* Destination: an agent who gets the output produced.

## Reference

Satzinger, J., Jackson, R., Burd, S.D. (2008). Systems Analysis and Design in a Changing World (5th ed.). Course Technology. p. 169.