Assignment 1: Project Introduction

Food Pantry Notification System

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CIS234A Real World Programming

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Part 1: Clarifying Questions

A screenshot of a computer

AI-generated content may be incorrect.

Figure : Clarifying Questions for Sprint 1 Stories

Part 2: User Interface Designs

A screenshot of a computer

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Figure : Registration Screen

The Registration screen is the first interface that new users see. It contains fields for the user's full name, username, email, password, and password confirmation. Users can enter their details to create a new account. The screen also includes a link for existing users to navigate to the Login screen.

A screenshot of a login box

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Figure : Login Screen

The Login screen is designed for returning users to sign in to the system. It includes input fields for either a username or email and a password. There is also a link that directs users to the Registration screen if they do not have an account yet.

Username: Test

Password: secret

New users start at the Registration screen, where they fill in their details to create an account. Once registered, users receive confirmation and may be automatically redirected to a welcome or dashboard page. Users who already have an account can use the link on the Registration screen to navigate directly to the Login screen. The Login screen then allows users to authenticate using their username or email and password.

The flow chart above shows the navigation between key user interface screens in the Food Pantry Notification System. New Users begin at the Registration Screen. Then, the New Users will enter their details to create an account. If the user already has an account, they can click the “Already Have an Account” Login Here Button. The kink directs them to the Login Screen. Once the user has submitted his or her information, they’re taken to the dashboard/main page, where they can access notifications and other features. I made this flow chart from smart art to show a clear user-friendly path from registration and login to accessing the core functionality of the system.

Part 3: Implementation NotesA screenshot of a computer program

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Figure : Implementation Notes

These implementation notes outline the main components of the system. The system consists of three primary components:

1. A front-end user interface (UI) that provides forms for user registration, login, and notification management.
2. A Node.js/Express back-end that processes requests, handles user authentication, and manages data flow.
3. A data storage layer (database) that securely stores user details and notification logs.

I have not yet created a formal architectural diagram; however, if I were to do so, the complete design would visually represent these components and their interactions by highlighting the key modules.