Account creation -

AS A new user,
I WANT TO provide the requested information
TO create a new account
SO THAT I can have access to the services the app provides.

SCENARIO 1: I provided all the account creation information requested.

GIVEN I open the app as a user without an account,
WHEN I provide the account creation information requested,
AND I click on the "Create Account" button,
THEN my account should be successfully created
WITHIN the minute
AND I should be able to access the app as a registered user
WITHIN the next time I attempt to access the app.

AS A Plant Planner Administrator,
I WANT TO ensure that the user-provided information is stored in the database
TO create a new account
SO THAT when they try to log in or use that information, it is available in our database.

SCENARIO 2: The user provided all the account creation information requested.

GIVEN that the user provides a valid email address and an acceptable password/ fills out all the required fields,
WHEN they click the "Create Account" button,
AND their email is verified,
THEN their account should be successfully created
WITHIN the minute
AND the database should be populated with their information
WITHIN the minute.

Account login - As a new user/returning user I want to log in/create an account to access the apps features to then help care for my plant.

Backend/database- **AS A** Plant to Do Administrator,
I WANT TO set up a Firestore database and cloud functions
TO store and manage user data and plant care tasks efficiently,
SO THAT users can access their plant-related to-do tasks seamlessly across different devices and receive timely care reminders.

SCENARIO: Successful Firestore Database Setup

GIVEN the backend development environment is ready,
WHEN I set up the Firestore database and define the 305Soft NoSQL Database Schema,
AND commit the schema to the backend folder in the repo,
THEN the database should store user profiles, plant data, and care schedules effectively,
AND the schema should be available in the GitHub repository for team collaboration
WITHIN 1 day.

SCENARIO: Successful Cloud Function for Notifications

GIVEN the need to send automated plant care reminders to users,
WHEN I create cloud functions for sending reminder notifications,
AND deploy these functions to Firebase,
THEN the app should send timely reminders for plant care tasks,
AND the notifications should be delivered to users **WITHIN** seconds when tasks are due.

SCENARIO: Firebase Storage for Plant Images

GIVEN the need for users to upload and store images of their plants,
WHEN I set up Firebase Storage and configure the appropriate access permissions,
THEN users should be able to upload and store images tied to their plant entries,
AND the storage system should be seamlessly integrated with Firestore for easy retrieval of images at any time.

SCENARIO: Future Integrations with Backend Services

GIVEN the app may require future integrations (e.g., email notifications or data analytics),
WHEN I set up these backend services,
THEN the app should be ready to expand features like email notifications or analytics,
WITHIN 1 week of additional service setup,

AND these services should be fully operational without disrupting the existing system.

User Story: Golden Path
AS A Plant Owner,
INSTEAD OF relying on memory for plant care,
I WANT TO add plants to my collection by giving them a custom name
AND turn on timed notifications for care tasks,
SO THAT I can easily track and manage the care of my plants.

Acceptance Criteria Scenario 1: Adding a Plant to My Collection
SCENARIO: Adding a plant
GIVEN I have a new plant to care for,
WHEN I click on the "Add Plant" button,
AND input a custom name for the plant,
THEN the plant should be added to my collection
WITHIN 2 seconds,
AND the plant should appear on my dashboard with its custom name.

Acceptance Criteria Scenario 2: Setting Timed Notifications for Plant Care
SCENARIO: Turning on timed notifications
GIVEN I have added a plant to my collection,
WHEN I click "Set Notification" for a specific care task (like watering or fertilizing),
AND choose the time and frequency (e.g., daily, weekly),
THEN a timed notification should be created,
WITHIN 5 seconds of confirmation,
AND I should receive reminders as scheduled.

Side path Criteria:
SCENARIO: Editing Plant Information
GIVEN I have already added a plant,
WHEN I click "Edit Plant" on the dashboard,
THEN I should be able to update the custom name
WITHIN 5 seconds of saving changes.

Extra -
Nicknames and Custom Photos: As a plant owner, I want to give my plants custom nicknames and upload my own photos of them so that I can personalize my plant collection and easily identify each plant.

Plant Location Tracking: As a plant owner, I want to assign each plant to a specific location in my home and track its position so that I can keep my plant care organized and quickly find where each plant is located.

Offline Plant Care: As a plant enthusiast, I want to access plant care tips and guides without an internet connection so that I can use the app even in remote areas or when my internet is unavailable.

Companion Planting for Pest Control: As a plant owner, I want to learn which plant combinations help reduce pests naturally so that I can implement sustainable and eco-friendly pest management in my garden.