Feature 1: Log Plants feature
Users should be able to log plants, Each entry should be able to include the name, location, a description of the plant, the plant's blooming season, and the plant type. Each log *must* include at least a name and a location.

Test data:

Field	Data
Name	Daisy
Scientific Name	Bellis perennis
Location	[40,-105]
Description	Small white flower in backyard
Image url	https://upload.wikimedia.org/wikipedia/commons/thumb/2/27/Bellis_perennis_001.JPG/500px-Bellis_perennis_001.JPG
Season	Spring
Type	Flower

Test environment: localhost

Description

Each user has a profile page that displays their last 10 plant logs, sorted from most recent to oldest.

Test Environment

- **Environment:** Cloud (deployed version on Render or Heroku)

- **Database:** Remote PostgreSQL instance

- **Browser:** Chrome, Safari

- **Network:** Standard Wi-Fi

Test Data

Use 15 previously created plant logs for one test user to verify sorting and limit.

Feature 2: Profile page with 10 most recent logs
Profile should display username, and the ten most recent plant logs. Each plant log shown should include image (if exists), name, location, and description.

Test environment: localhost

Test Environment

- **Environment:** Localhost and Cloud

- **Database:** PostgreSQL (user table reset before testing)

- **Browser:** Chrome

Test Data

Field	Example Data
Username	*test_user*
Email	*test@example.com*
Password	*Password123!*

Test ID	Scenario	Steps	Expected Result	Actual Result
PF-01	Display recent logs correctly	1. Log in as user with 15 logs. 2. Navigate to profile.	Only 10 most recent logs displayed.	Pass — Limited to 10 entries.
PF-02	Verify sorting order	1. Compare timestamps of displayed logs.	Logs are shown from newest to oldest.	Pass — Sorted correctly.

PF-03	Empty log state	1. Log in as a new user with 0 logs.	Message "No logs yet" displayed.	Pass — Message appears correctly.

Feature 3: Ensure that user registration works properly
Only one username allowed per user and user registration is saved correctly. Passwords are hashed and saved.

Test ID	Scenario	Steps	Expected Result	Actual Result
UR-01	Register new user	1. Open registration page. 2. Enter valid username, email, password. 3. Submit.	Account created; redirected to login page.	Pass — User successfully registered.
UR-02	Duplicate email check	1. Try to register with same email.	Error: "Email already in use."	Pass — Error displayed properly.
UR-03	Invalid password format	1. Enter short password (e.g., "abc").	Error: "Password must be at least 8 characters."	Pass — Validation enforced.
UR-04	Missing required field	1. Leave "email" blank.	Error message displayed.	Pass — Field validation works.