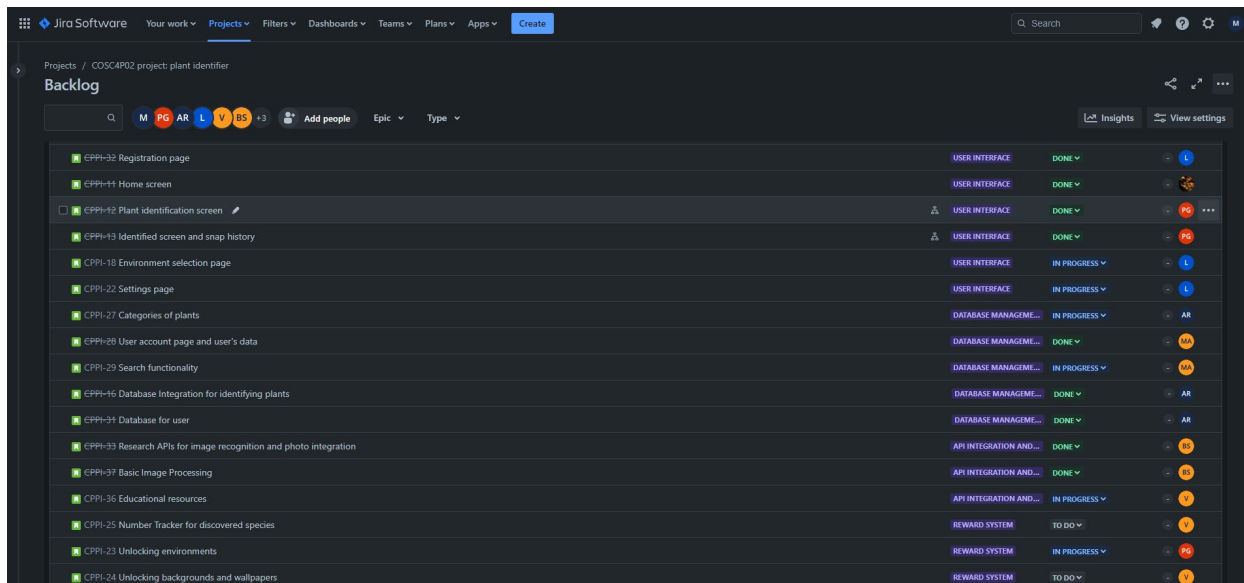# Progress Report 2
Due: 1/4/2024 11:59PM

Alexandre Reuillion (6197834) - Developer
Balkaran Sidhu (6837322) - Developer
Lance Brown (6445944) - Developer
Manroop Singh Rakhra (6855449) - Scrum Master
Marylina Aka Beyeh (7056260) - Developer
Nicole Chang (7201841) - Product Owner & Developer
Parneet Singh Gill (6854640)- Developer
Vishishtha Sharma (6855944) - Developer

JIRA board:
https://cosc4p02plantidproject.atlassian.net/jira/software/projects/CPPI/boards/1/backlog

Name - Alexandre Reuillion
Role - Developer

Work Completed:
1. Set up server to host website.
    a. This webserver allows execution of html/CSS, JavaScript, php/SQL.
    b. database live SQL functionality

2. Hosted website using Cloudflare tunnels.
    a. allows for https secure connections.
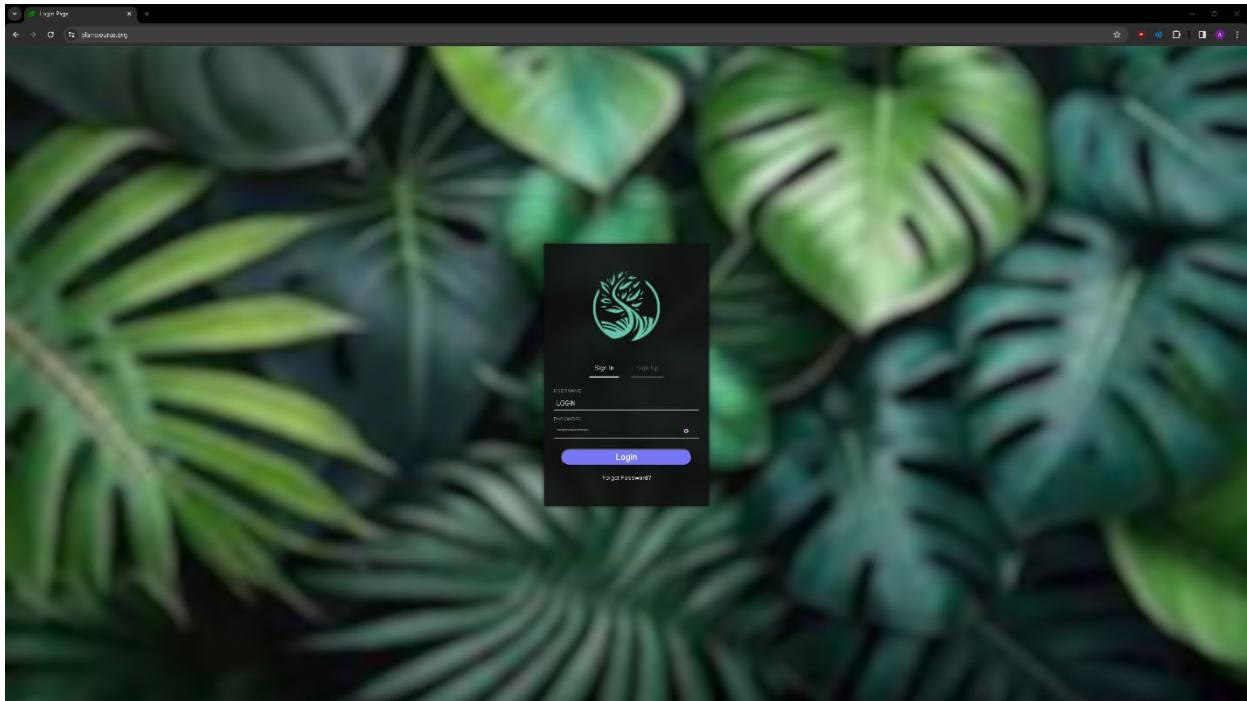   b. created website domain name: plantsource.com.

      c.   integrated login page and other various pages

To Do:

1. Integrate server source with GitHub to be able to further develop website remotely.
2. To further integrate backend with frontend

Blockers:

1. Balancing workload with other larger scale projects from other classes

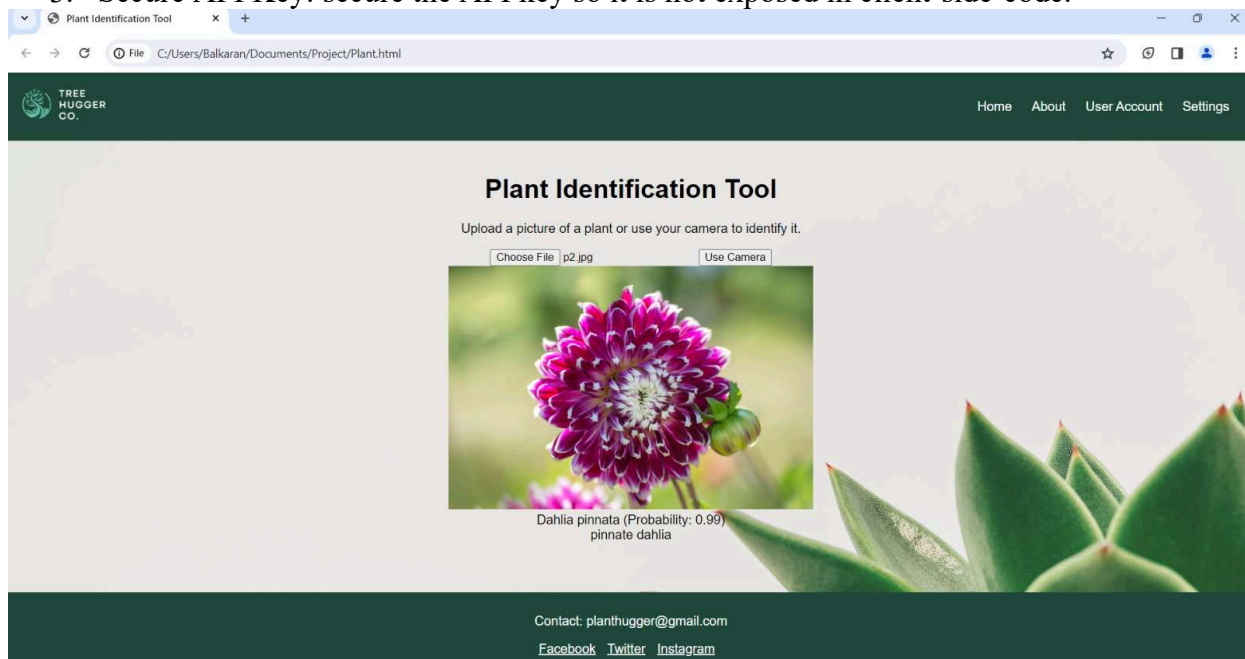**Name - Balkaran Sidhu**
Role – Developer

Work Completed:
1. Solved the plant.id API authorization key problem to display the specifications about the plant.
2. Developed a responsive and visually appealing interface with HTML and CSS.
3. Refined image upload feature, image is immediately displayed on the screen as preview before identification.
4. Enabling users to capture images and submit for identification without any need to pre-save.

5. Provided a "Retry" button allowing users to reset the whole interface and try identification with other plants.
6. Error Handling – Added error handling to manage issues related to image fetching and camera access problem.

To Do:

1. To add a loading indicator that appears while the plant identification process is ongoing.
2. To do the unit testing and ensure the website is fully responsive on all devices including tablets and smartphones.
3. Secure API Key: secure the API key so it is not exposed in client-side-code.

Blockers:

1. Deadlines for other course projects and presentations have made it difficult to advance as much as I would like in this Sprint.

Name - Lance Brown
Role – Developer

Work Completed:
1. Made revisions to the login and environment pages.
   a. Fixed errors that would occur after pressing the login button when nothing was in the field and then trying to swap to the sign-up tab.

2. I attempted to create a way to keep the user logged in with session cookies.
    a. This was not used as there was an alternative method in Alex's implementation that was more efficient.

To Do:

1. refine the appearance of the environments page.
2. add more settings features.
3. prepare elements for sending and receiving requests.

Blockers:

1. Term test and deadlines for projects/assignments/presentations in other courses

Name - Manroop Singh Rakhra
Role - Scrum Master

Work Completed:
1. Facilitated the discussion for potential changes and additions to the website by maintaining constant communication between the group members.
2. Collaborated with Balkaran to help fix the API authorization problem.
3. Brainstormed solutions for existing and potential future problems with the integration of the different parts of the project.

To Do:

1. To help with the overall integration and accumulation of all elements of the project and making sure we meet our proposed requirements, including the server-side connectivity to the database, along with the inter connectivity of the various frontend components.
2. Hold another meeting for our upcoming sprint to clarify the goals for the final stretch of the project.

Blockers:

1. Other group projects and assignments from other courses and multiple deadlines being in a short span.
2. Being sick for a week and falling behind on deadlines

Name – Marylina Aka Beyeh
Role - Developer

Work Completed:
1. Added more aesthetic to achievements page, more responsive and user friendly.

2. Created a function that calls the backend function to unlock the rewards systems.

To Do:

1. Need to integrate the functions and database so that when we manually upload ten plants, it will enable a function. Once we enable it, it should call another function so that it fetches the desired reward.

Blockers:

1. final exams and projects from other courses

Name - Nicole Chang
Role - Product Owner & Developer
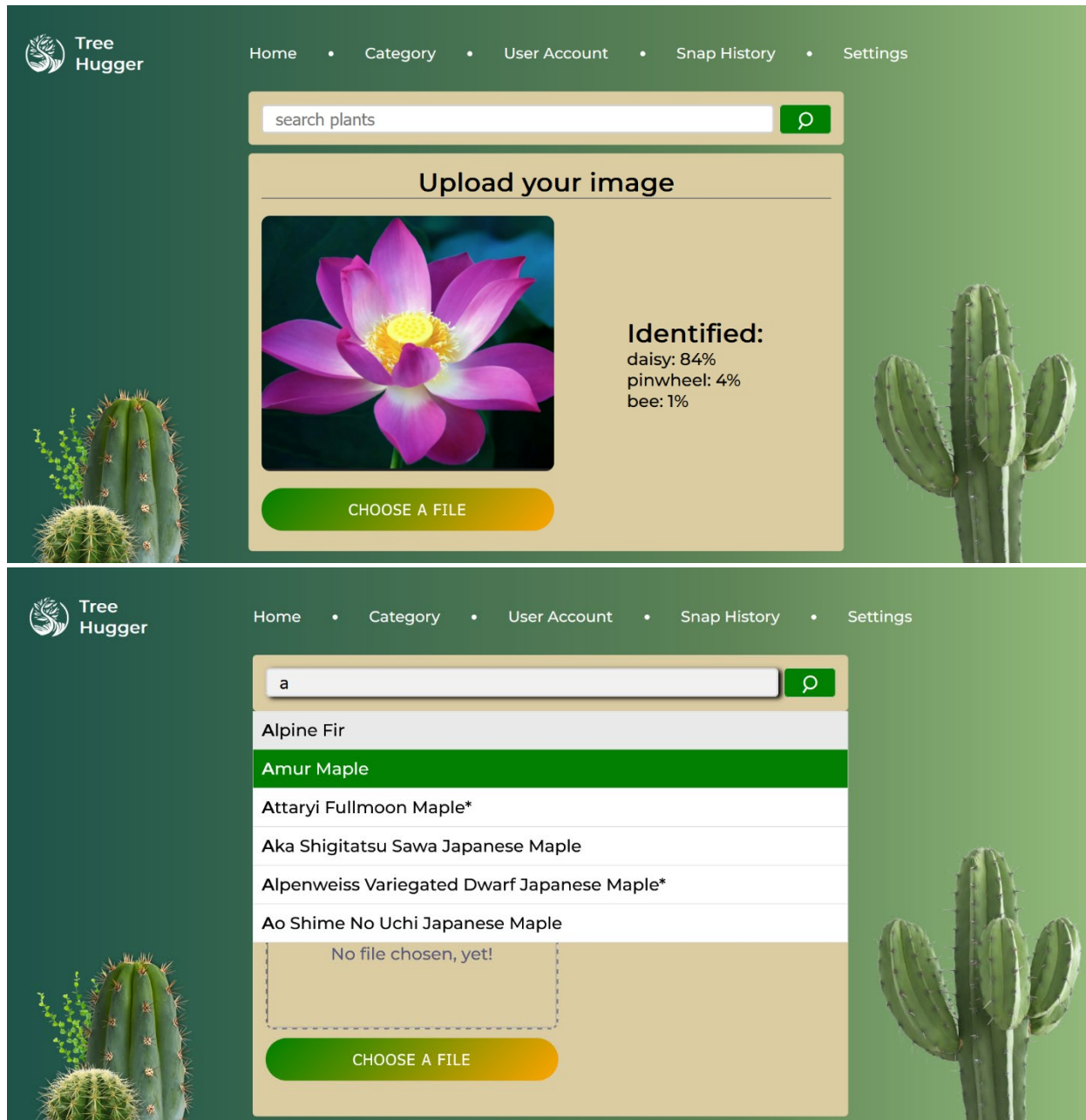
Work Completed:
1. Updated HTML and CSS code.
2. This time, the upload image has an upgraded design. The search function is less bulky and the border for the containers has a smaller radius, so it looks more professional.
3. When a user uploads their photo, a loading circle appears. Once it is finished identifying, the loading circle disappears.
4. Also, when the user hovers over the photo preview box, the file name appears at the bottom of the photo preview box screen along with an 'x' on the two-right corner. The 'x' can be clicked on so that the photo disappears, and the user can choose another photo to upload.
5. Created a 3-D model of a garden for the environment using blender.
6. Upgraded the search functionality: autocomplete form; autocomplete box of plant species/suggestions appear after the user types in the search bar.

To Do:

1. Integrate the 3-D model to web app, specifically for the environments page.
2. Create more 3-D environments such as forests, meadows, and deserts.
3. Decide what design and interface to use for the environments. If time allows us, we may install the 3-D models and 3-D collected plants to our web app. Otherwise, we will use basic backgrounds and wallpaper.
4. Fix errors and successfully integrate "Perenual" database/API.

Blockers:

1. Upcoming final exam and project deadline for other courses.
2. Limited access to the "Perenual" API and JSON file (100 times a day and a limited database of plants) requires monthly payment for unlimited access.
3. Difficulties with integrating "Perenual" plant database API (404 and 405 errors) using JavaScript.

Name - Parneet Singh Gill
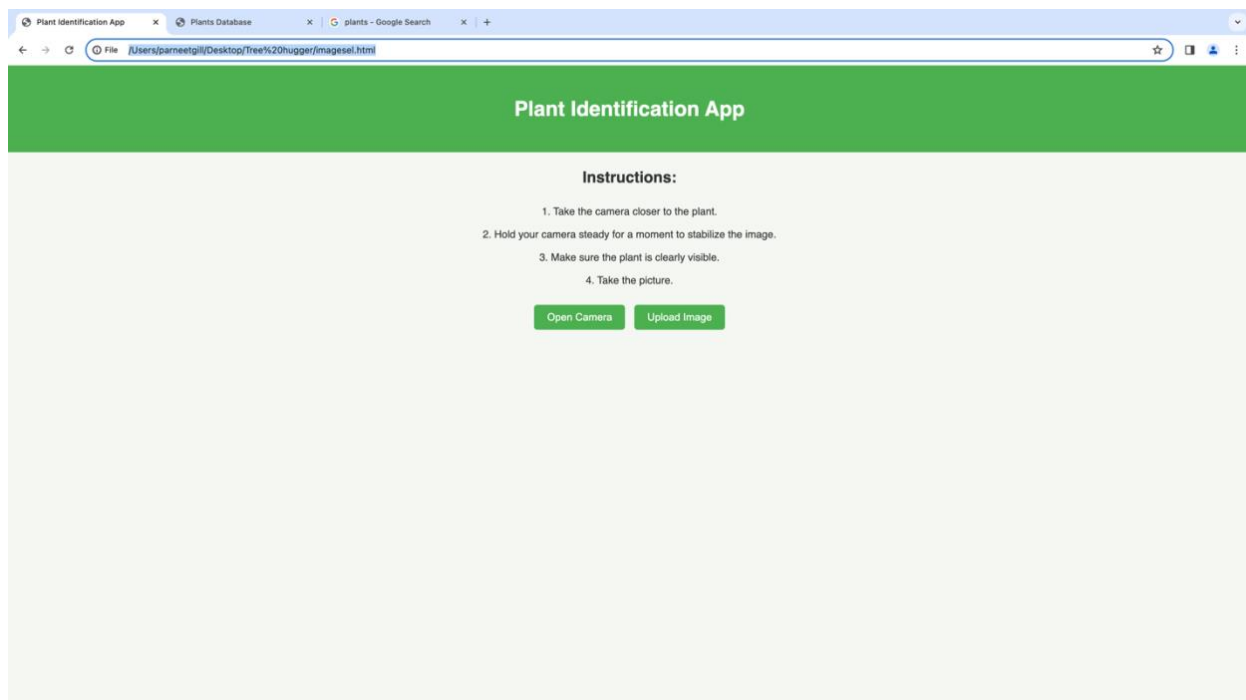**Role – Developer**

Work Completed:

1. Splash Screen
    a. Made changes to splash screen, now it run for 3 seconds and land to home page.
    b. Added new animation in the splash screen.

2. Home Page
    a. Added CSS styling to the home page and made it look nicer and neater.

3. Database
    a. Added a function so that if a user is logged in, remains logged in.
    b. Removed some bugs, which happened during log-in.
    c. There was a problem adding a plant to database, so resolved this bug.

To Do:

1. Will be working on integrating API with database.
2. Will also be integrating splash screen with Home page and other pages made by all the teammates into one complete system.

Blockers:

1. Had issues with adding plants to database.
2. I had been working on various Assignments of different courses.

Name - Vishishtha Sharma
Role - Developer
Work Completed:

1. Made the badges reward system to be used along with the backgrounds reward system to provide a better, more rewarding experience to the user.

To Do:

1. Integrate the Rewards System for providing background to the user after uploading certain number of pictures into our application.
2. -Integrate badges Reward System into the application and allow them to be used along with the backgrounds rewards.

Blockers:

1. Had an exam, seminar, presentation and assignment due, with significantly less time for preparation and to focus on any one thing at a time.