

# GardenScope

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*See what's bugging your plants!*

## Project Concept

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GardenScope is a phone or tablet app that provides a tool for gardeners, from beginners to experienced, to maintain the health of their garden; flower, vegetable, herb, or any other type of plantings.

This app will enable gardeners to look close-up at their plants, save the image they see in the scope and use it to identify the disease or bug that is causing the problem. There will also be links to sites with potential solutions to the problem.

This app was developed for the UI/UX Design certification course offered by California Institute of Arts on Coursera. The main project was to develop a design for a smartphone app that focuses on a simple task; the options given were a heartbeat monitor, a tuner for musical instruments, a digital microscope, or an app that finds a specific food within a given area. The goal was to contain the main functionality and user activity within one or two screens.

## Target Audience

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The app will focus on gardening hobbyists of all ages.

### Demographics

(gender, education, age, income)

- Gender – anyone who gardens
- Education – at least high school
- Age – early to late teens and up
- Income – financially comfortable; usually, but not always, homeowners

### Psychographics

(personality, values, attitude, interests, lifestyles)

- Personality & Attitudes:
  - ♦ Health-conscious
  - ♦ Concerned about the environment
  - ♦ Curious
- Values:
  - ♦ Moderate to liberal
  - ♦ Open-minded
  - ♦ Environmentally aware
- Lifestyles & Interests
  - ♦ Active
  - ♦ Gardening
  - ♦ Health-conscious
  - ♦ Interest in learning about plants

## User Personas

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### Marjorie Bennett (72) – Teacher

- Retired HS Math teacher
- Married to retired architect
- Likes to work in her gardens with her nephew who became a landscape designer after spending time in his aunt’s gardens.



### Fred Jenkins (68) – Grandfather

- IT specialist
- Married over 40 years
- Has 3 grandchildren who all like to ‘help’ grandpa in the garden.



### Leticia Alvarez (28) – Newlywed

- Marketing Analyst
- Married 2 months
- Rents a condo with a backyard patio so she can have a small garden.



### Juliet & Roger Spencer (35, 38) – Young parents

- Librarian, Financial Analyst
- Married, 2 children
- Just moved to a larger house and are working on creating a backyard for their family to relax and play.

# Requirements

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## **Content Requirements**

*The user will be looking to .....*

- Take a close-up photo to identify a problem with a plant
- Research possible solutions for the problem
- Learn more about the plant and the problems it can have
- Ask other gardeners for advice

## **Functionality Requirements**

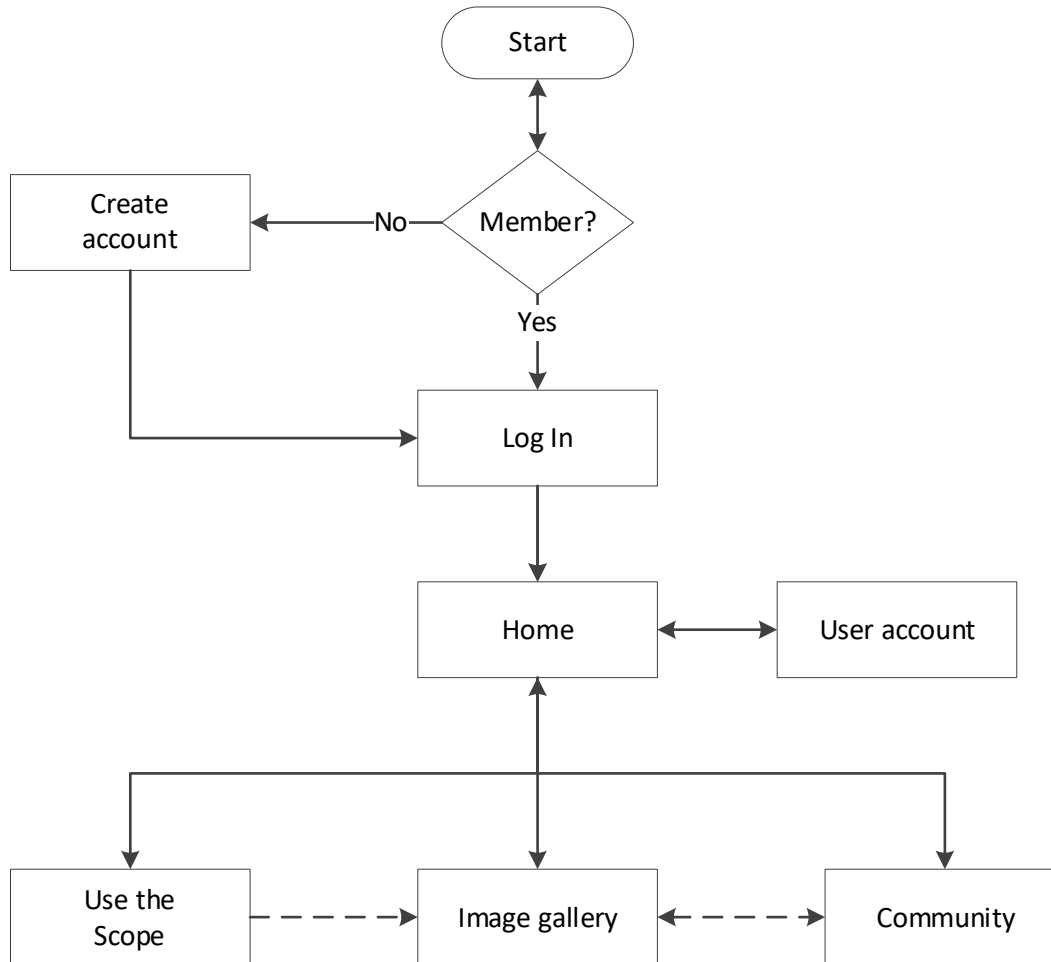
*The user will be able to .....*

- Take a magnified picture of their plant or the creature eating their plant
- Save the image on their device
- Send the image to other people
- Share the image with other people on the app
- Use the photo to access information about the plant and the problem
- Access solutions to the problem
- Access other resources about the plant and the problem

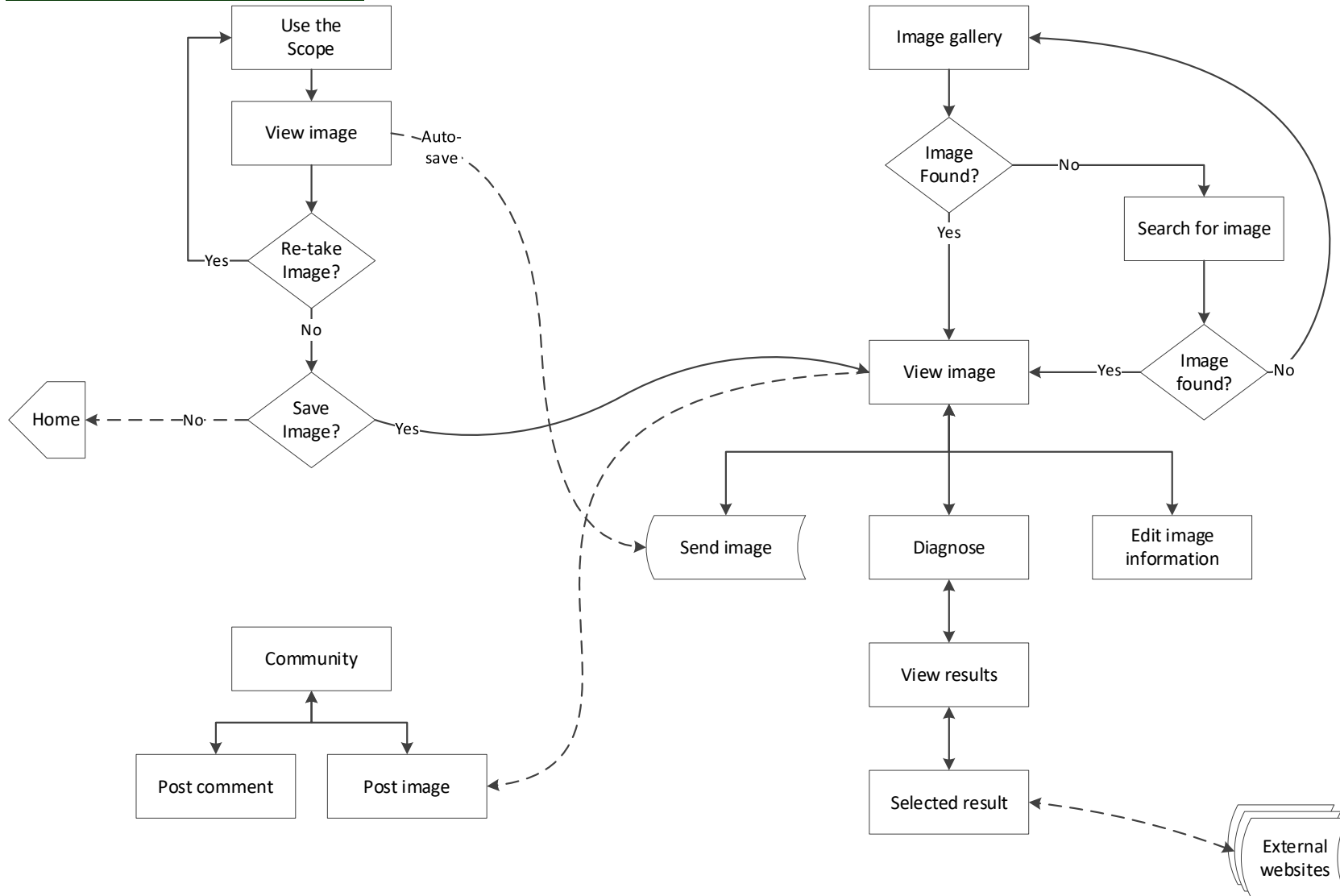
# Application Architecture

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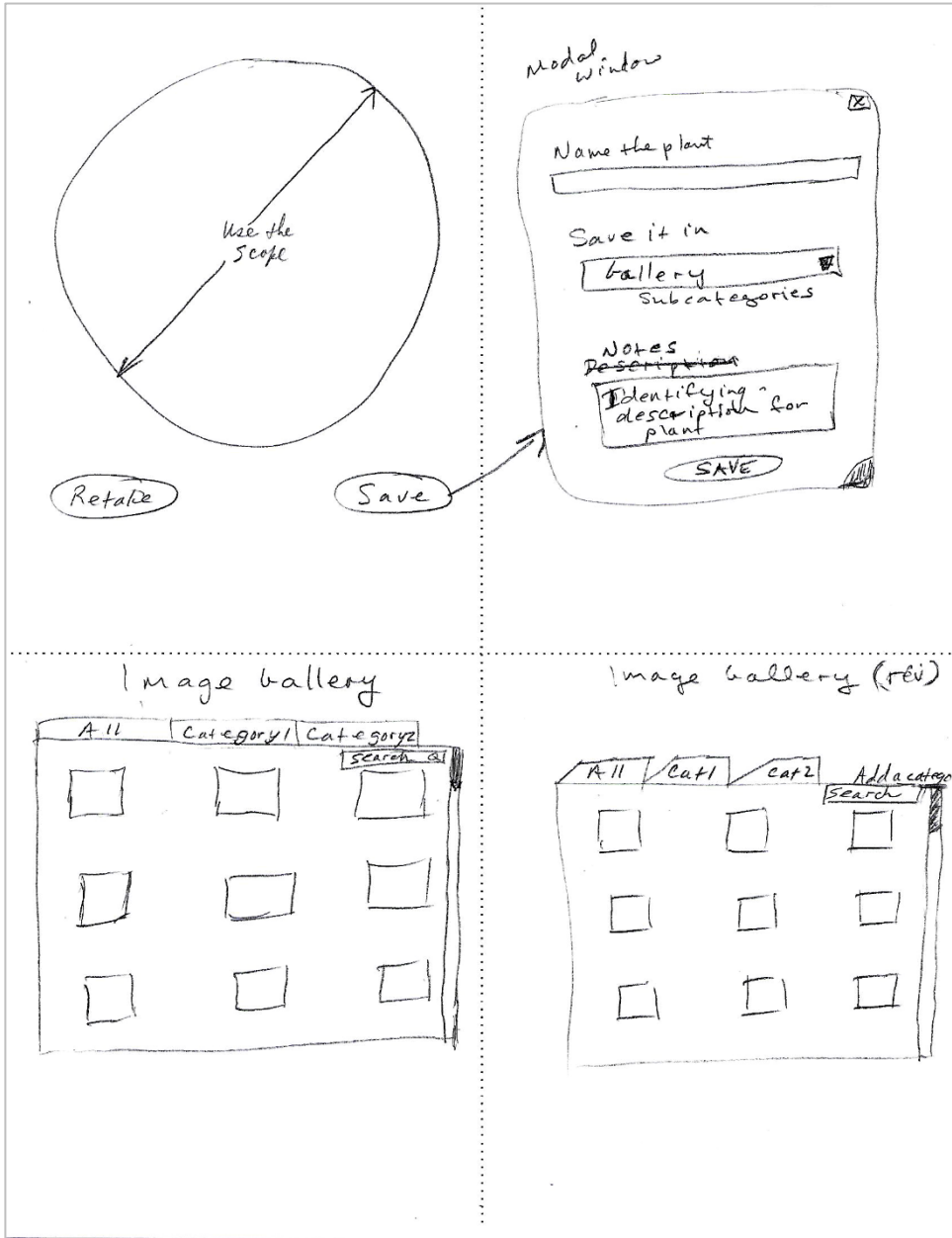
## Workflow (High-level)



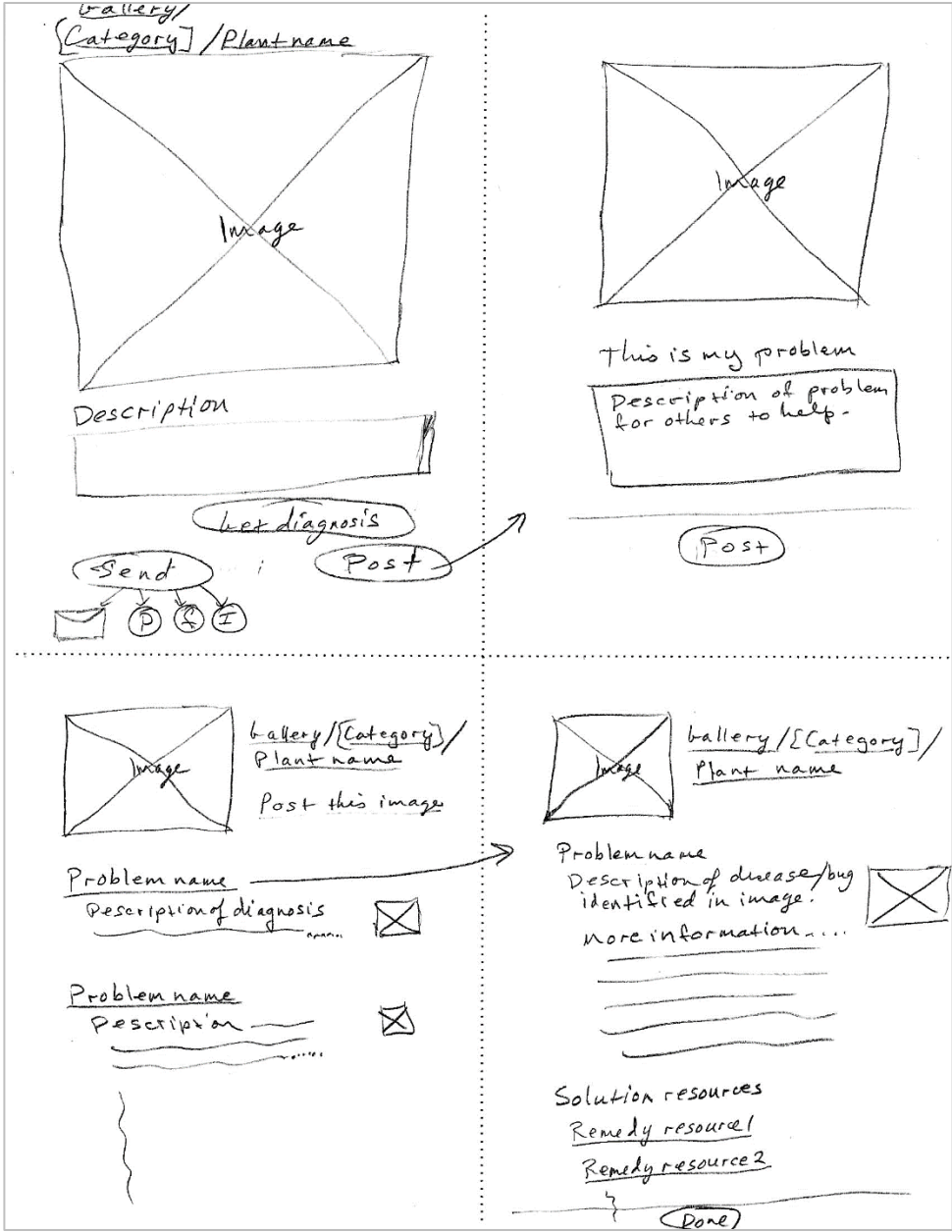
## Workflows (Secondary level)



# Preliminary Interface Sketches

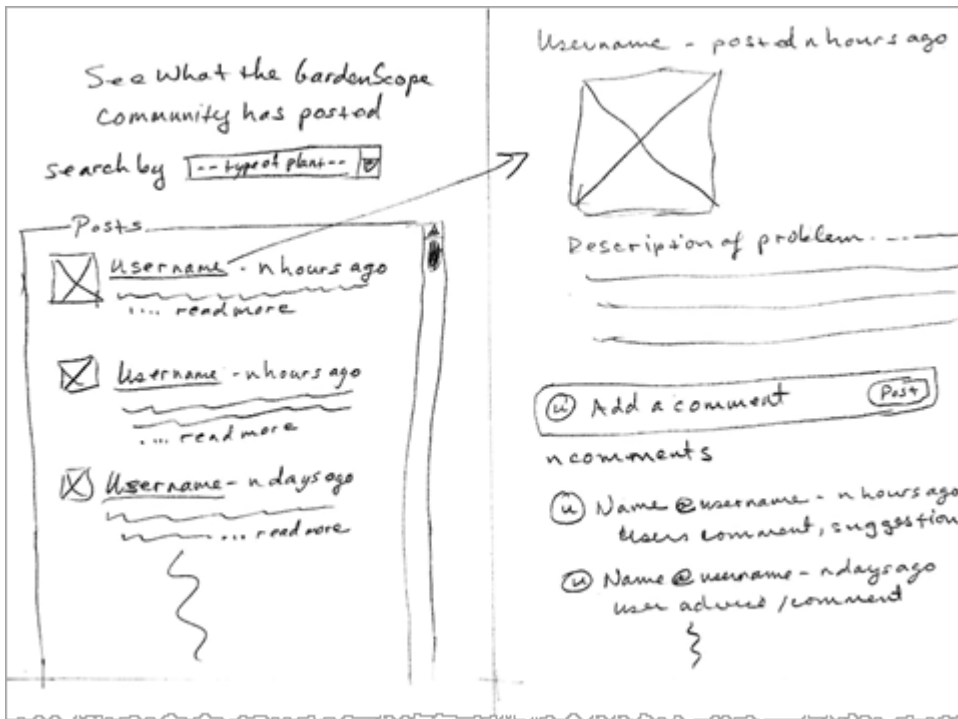


Use the Scope & Image Gallery



**View Image & Diagnose**





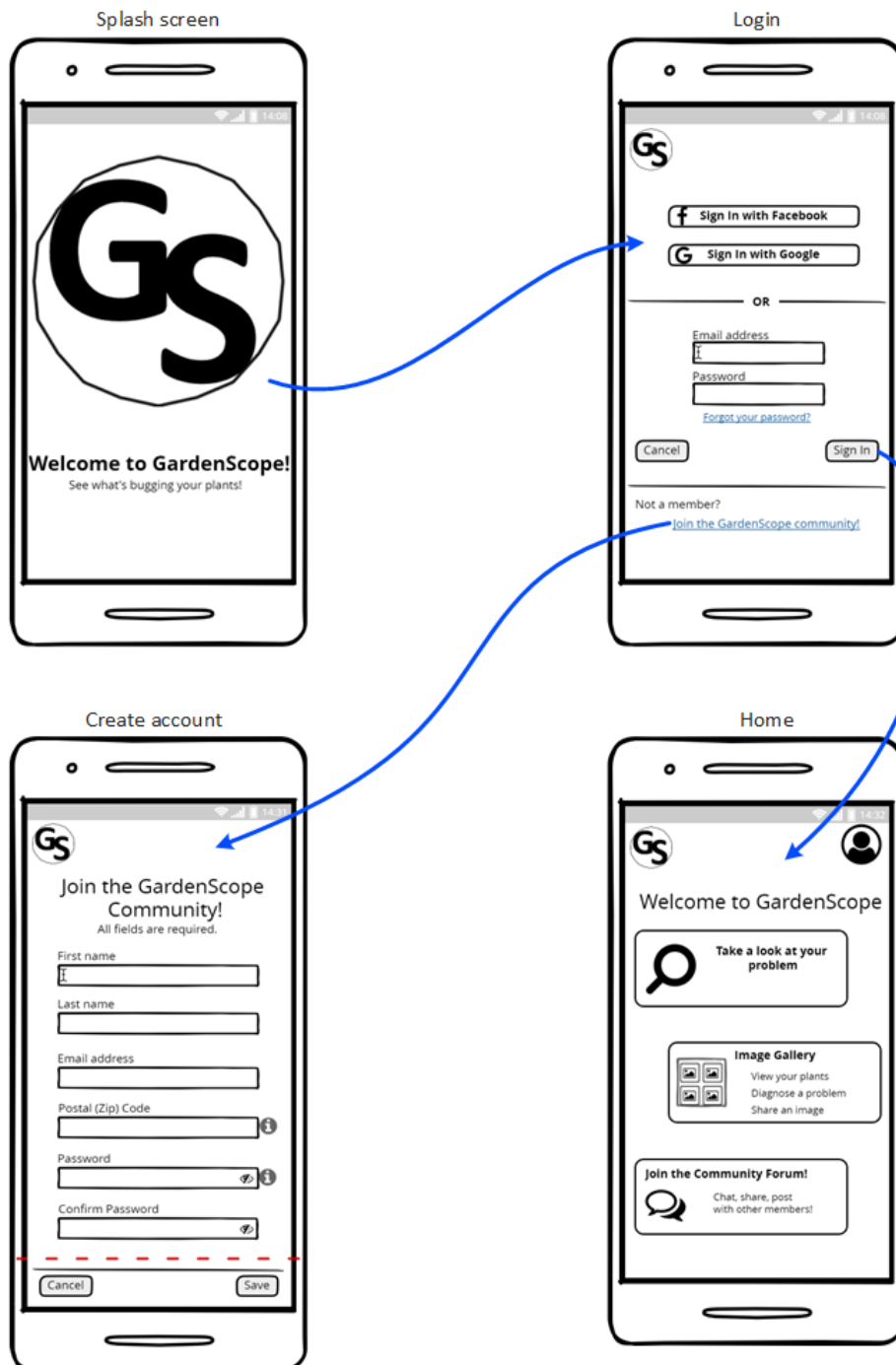
Community

# Wireframes

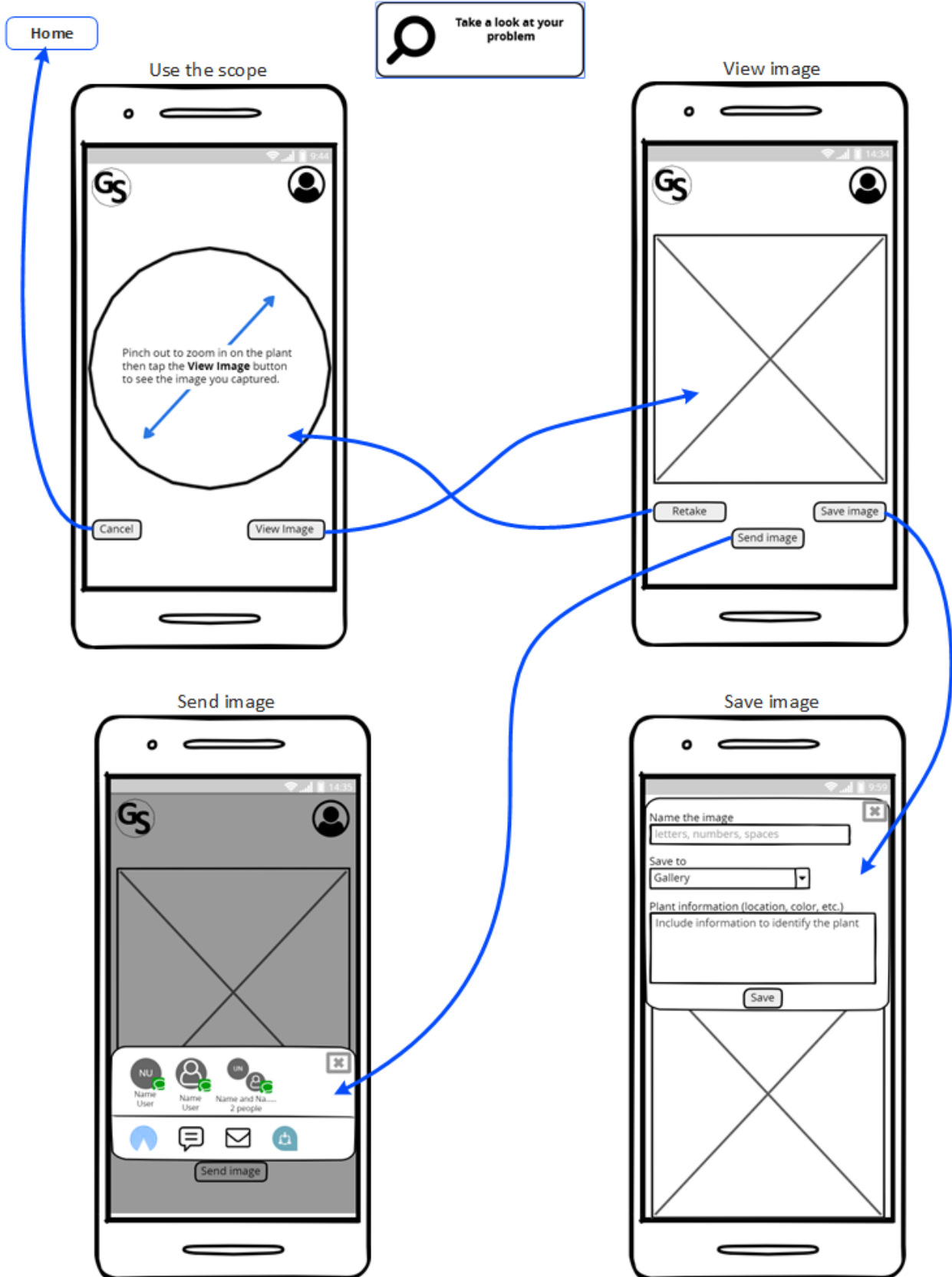
Wireframes for the GardenScope project were developed using Balsamiq.

This is a [link to a wireframe prototype](#). I have also included wireframe screenshots as an alternative to the online prototype.

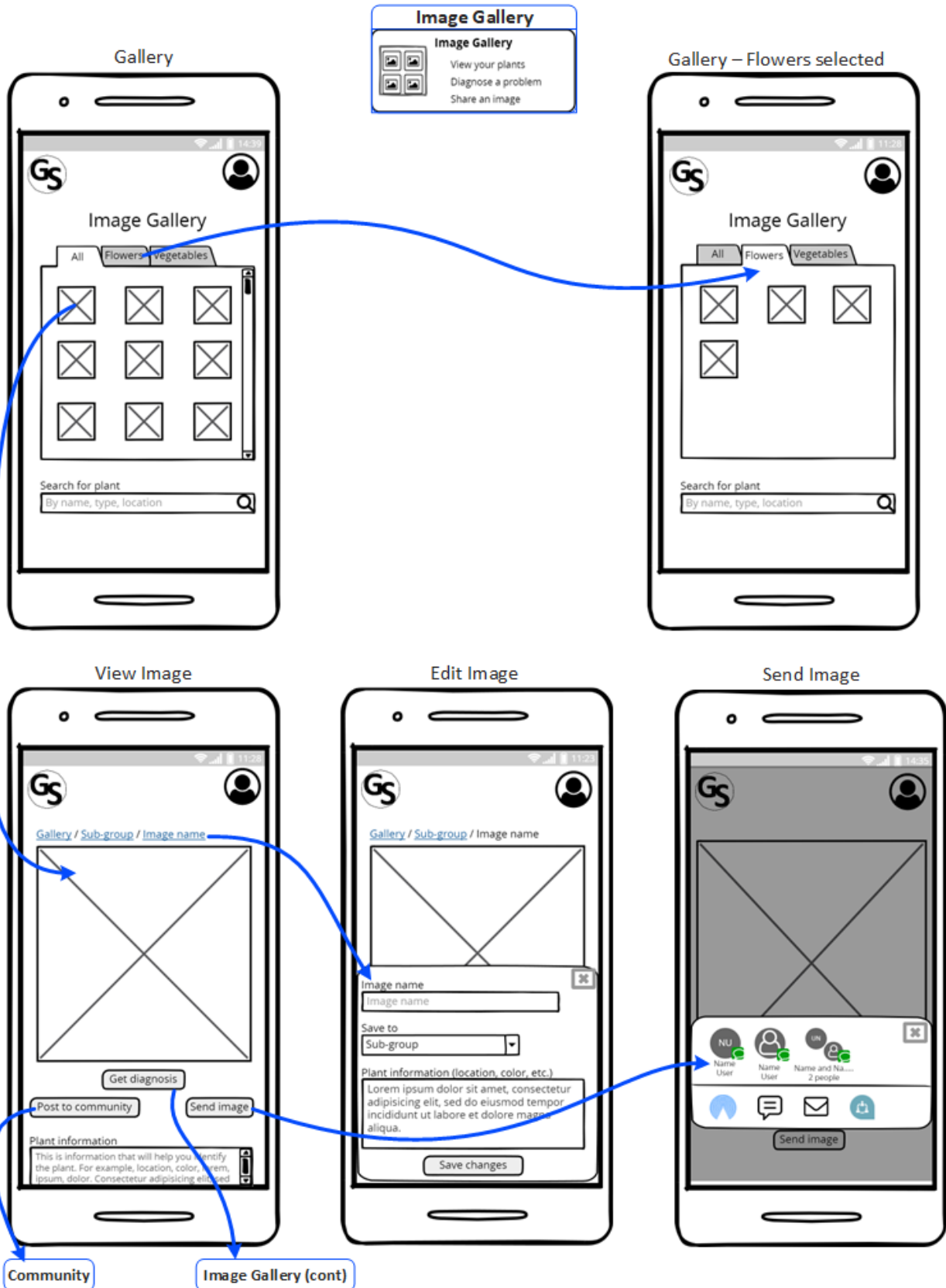
## Login / Home



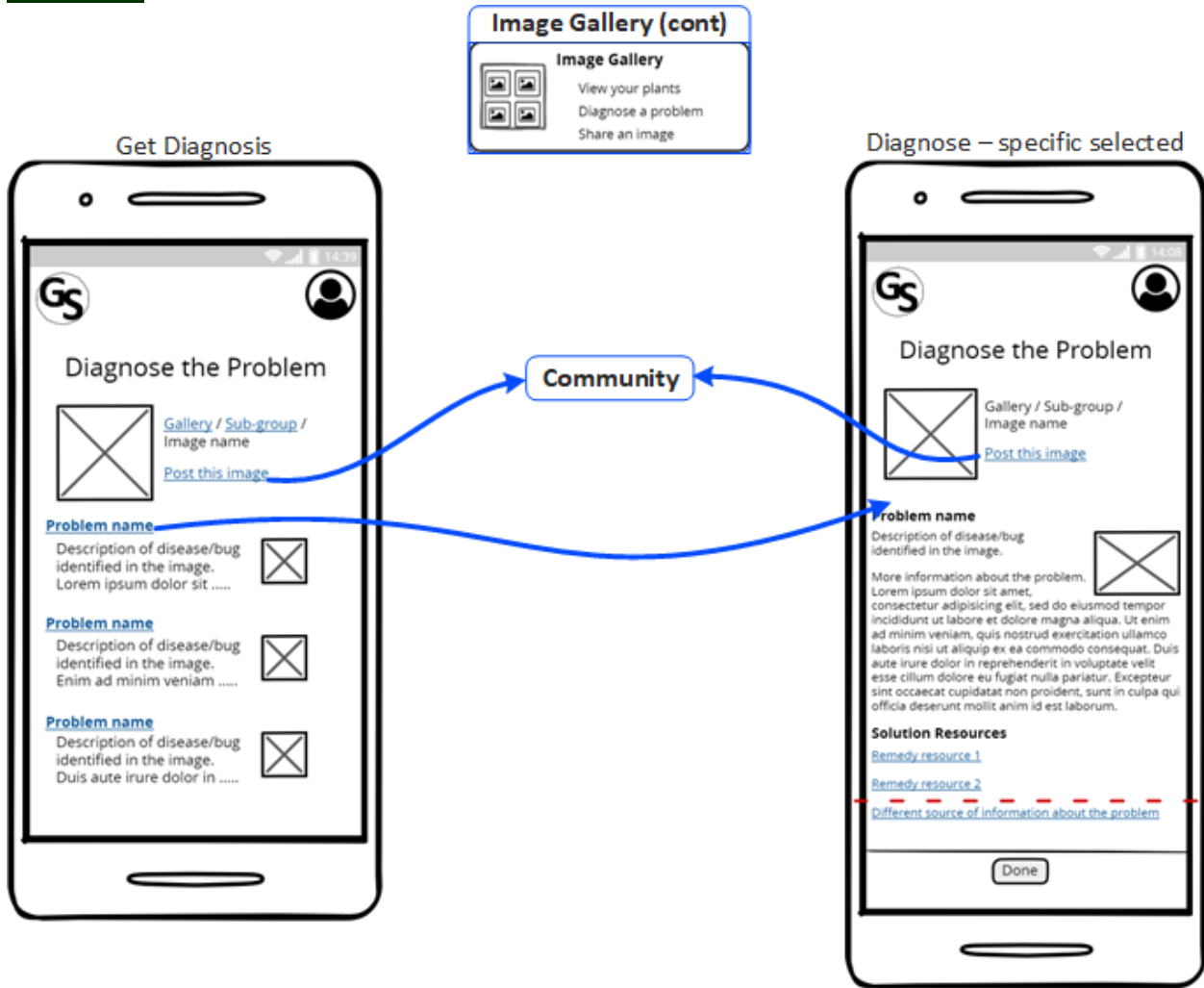
## Use Scope



# Gallery



# Diagnose



# Community

**Community**  
**Join the Community Forum!**  
Chat, share, post with other members!

Community Forum

See what the GardenScope Community has posted

Search by -- type of plant --

Posts

- Username - 3 hours ago  
Lorem ipsum dolor sit amet, ...read more
- Username - 5 hours ago  
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- Username - 12 hours ago  
Lorem ipsum dolor sit amet, ...read more
- Username - 19 hours ago  
Lorem ipsum dolor sit amet, ...read more
- Username - 3 days ago  
Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Enter Comment

Posted by Username

Name or description of problem. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor

Any suggestions?  
Let me know!

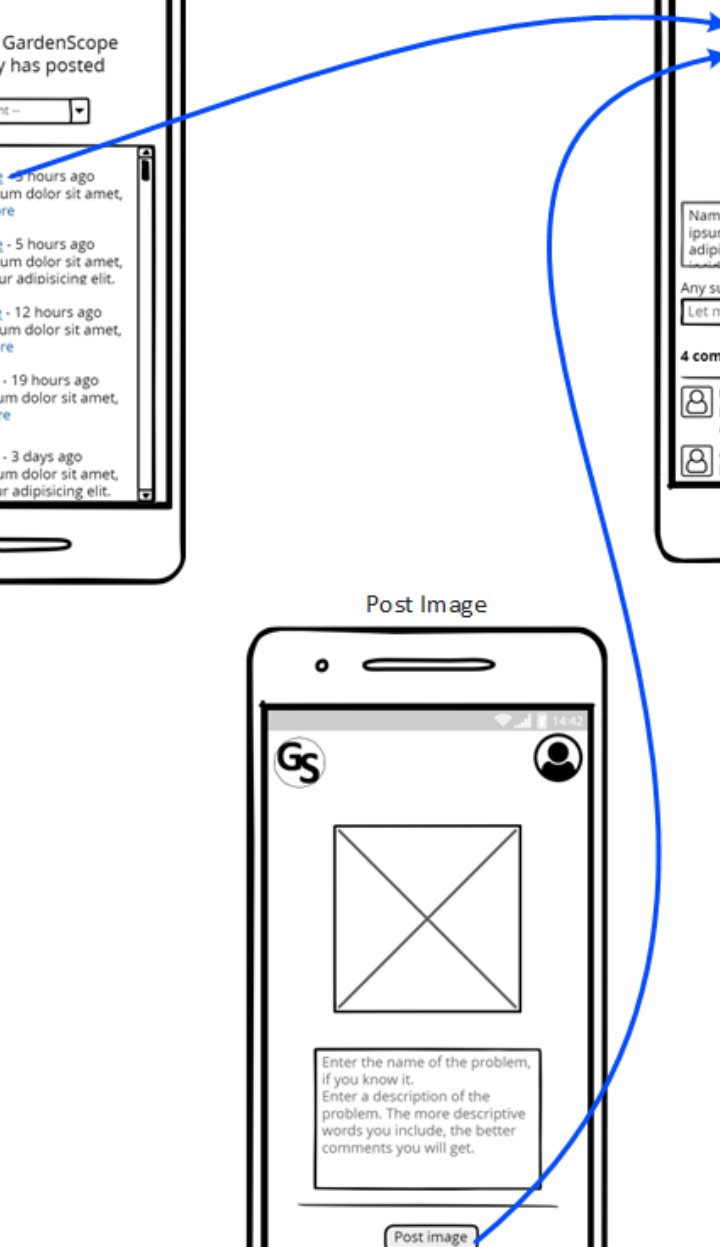
4 comments Sort by most recent

- Username - 3 hours ago  
Lorem ipsum dolor sit amet, consectetur elit, sed do eiusmod tempor. [read more](#)
- anotheruser - 1 day ago  
Lorem ipsum dolor sit amet, consectetur

Post Image

Enter the name of the problem, if you know it.  
Enter a description of the problem. The more descriptive words you include, the better comments you will get.

Post image



# User Account

User Account

User Account



Account Information

Cell phone and/or email are required if you wish to receive notifications from the GardenScope community.

First name  
Firstname

Last name  
Lastname

Email address  
username@gmail.com

Postal (Zip) Code  
12345

Password  
pass@2345


Confirm Password  
\*\*\*\*\*

Send notifications for these events

- Reply to my post
- New message relating to my posts
- New image posted
- New member in my area

Save changes Cancel

Home



Welcome to GardenScope


Changes to your user account have been saved.

Take a look at your problem

Image Gallery  
View your plants  
Diagnose a problem  
Share an image

Join the Community Forum!  
Chat, share, post with other members!

Home



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# Application Design

## Style Tile



A style tile is a design deliverable that presents the fonts, colors, and interface elements that communicate the essence of the visual brand for the web without defining layout.

The color selection for GardenScope reflects the purpose of the app, a gardening tool. The typography and some of the functional elements reflect the nature of gardening as a leisure activity for most users.

Project: **GardenScope**  
Version: 2

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### Possible colors

				
#A70A0A	#60381B	#0448FC	#FCDF65	#056128

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### Textures



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### Adjectives

**Instructive** **Fun**  
**friendly** **Accessible**

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### Typography

**This is a Header <h1>**  
Font: Merriweather - Google Fonts - Black Italic - #056128 - 24pt

**This is a sub-head <h2>**  
Font: Merriweather Sans - Google Fonts - Bold - #60381B - 18pt

**This is a sub-head <h3>**  
Font: Merriweather Sans - Google Fonts - Bold - #60381B - 14pt

This is **Body Text**. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem.  
Font: Merriweather Sans - Google Fonts - Regular - #060606 - 14pt

This is a [text link](#).  
Font: Merriweather Sans - #0448FC - 14pt

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### Buttons



## Prototype

A partial prototype for the GardenScope project was created using Figma. I created the process of using the scope to showcase the design elements used for the application.

[Link to an online prototype](#). I have also included images of some of the screens as an alternative to the online prototype.

Splash screen



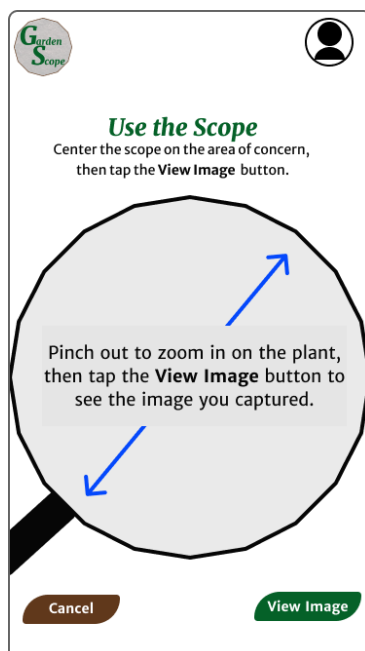
Login



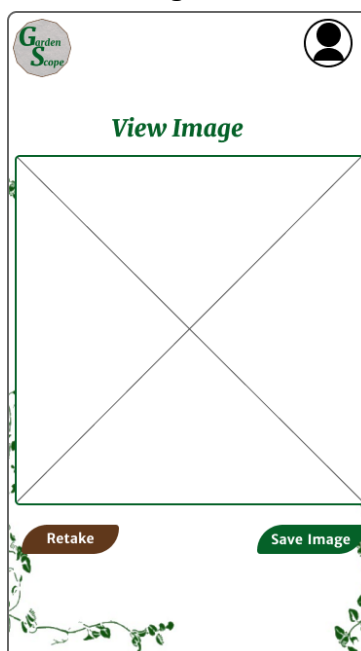
Home



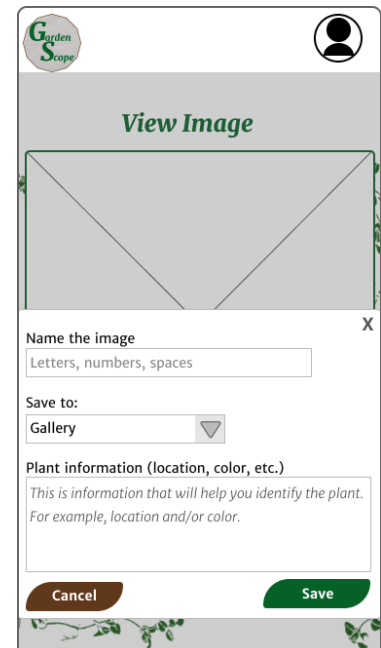
Use the Scope



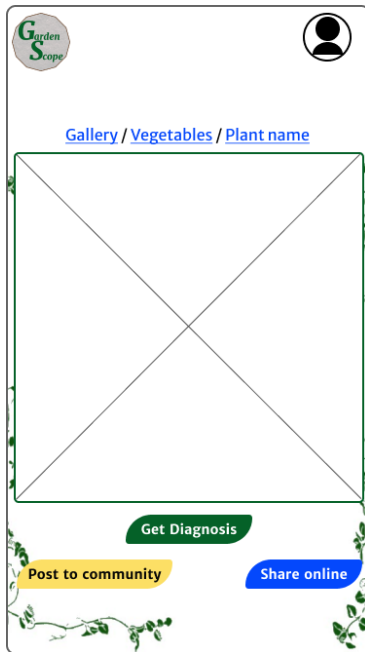
View Image



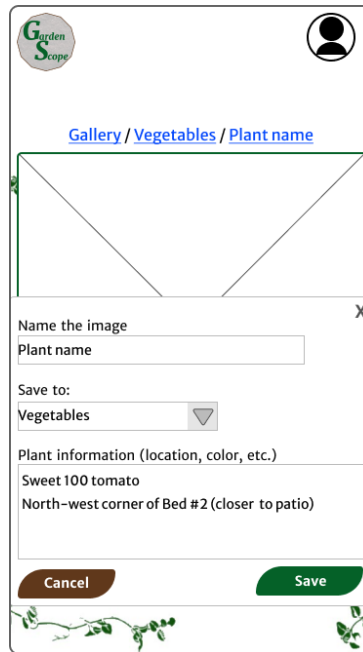
Save Image



## Gallery (Saved image)



## Edit image



## Diagnose

