



Team Carlos



Process

- 1 Study the Existing Apps**
- 2 Merging the Insight of the Apps' Analysation with the Requirements**
- 3 Designing the Optimal User Flow**
- 4 Prototyping Static Website with a Bootstrap (Ratchet)**
- 5 Transfer HTML to Javascript**



Process

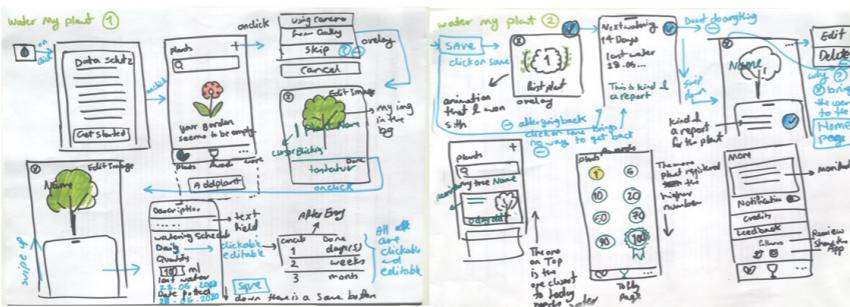
- 6 Splitting the Work into Two Parts: User Input and System Output
- 7 Coding Complementary Features
- 8 Visual Design and UI Mockups
- 9 CSS
- 10 QA



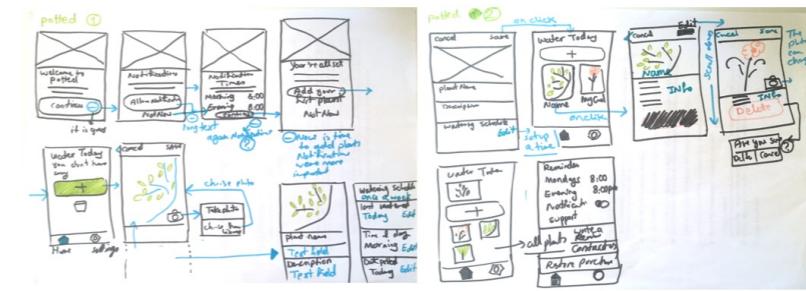
1 Existing Apps

2 Merging Insights

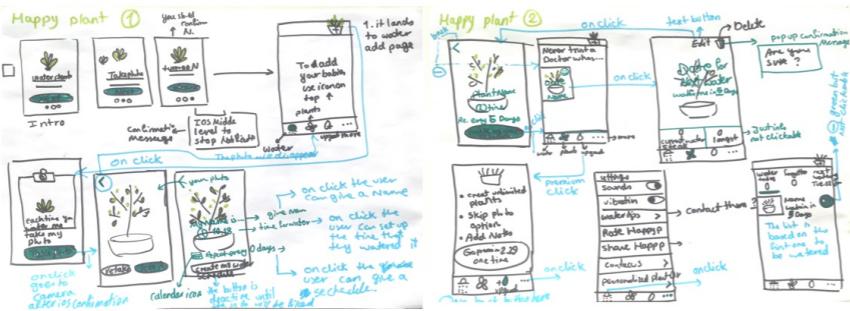
Water My Plant



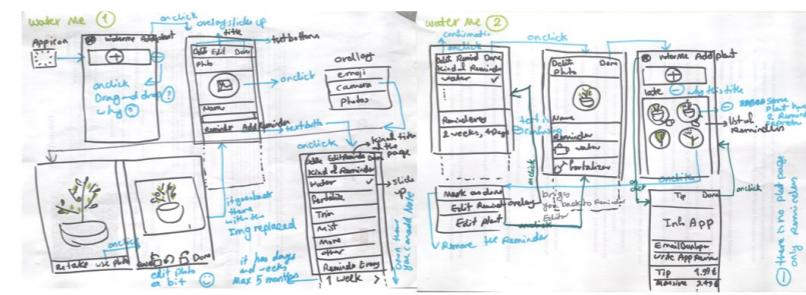
Potted



Happy Plant



Water Me



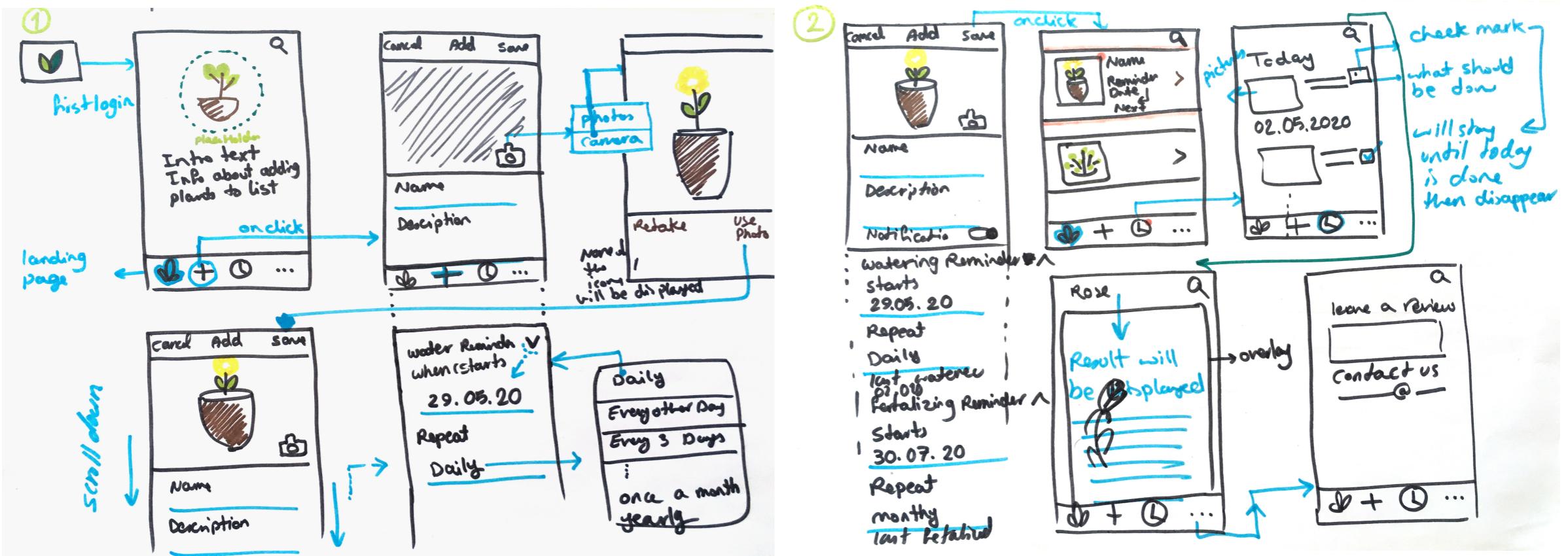
Vera



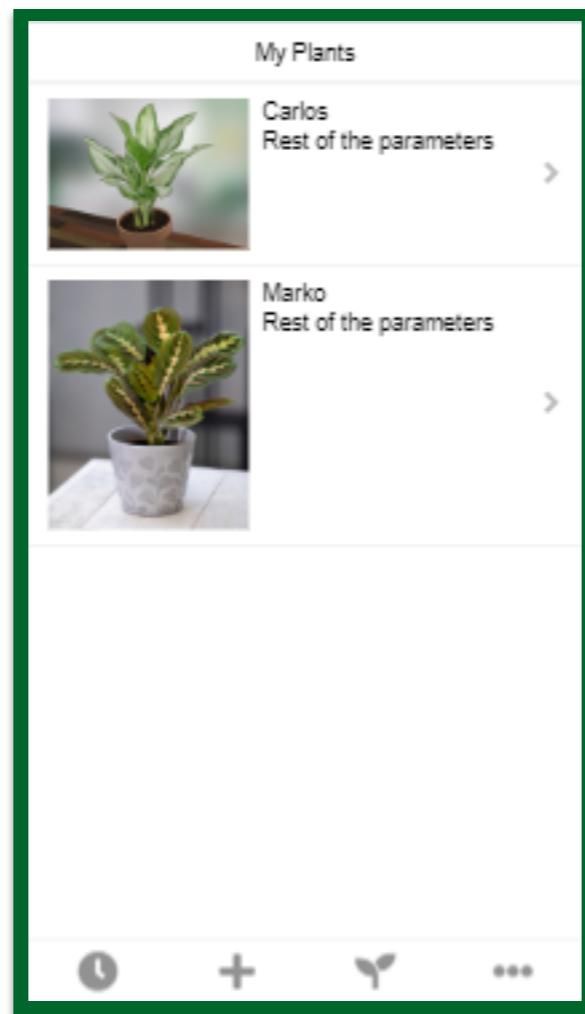
Peppy Plant



3 User Flow



4 Prototyping static website with a bootstrap (Ratchet)



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We Started to code: Transfer HTML to Javascript

```
<div class="plant-name-div">
  <label for="plant-name">Plant name:</label>
  <input type="text" id="plant-name" name="plant-name">
</div>
```



```
let div = document.createElement("div");
div.classList.add("plant-name-div");
let label = document.createElement("label");
div.appendChild(label);
label.setAttribute("for", "plant-name");
label.textContent = "Plant name: ";
let input = document.createElement("input");
div.appendChild(input);
```



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Splitting the work into two parts: User input

```
function addPlant() {
    let img = document.getElementById("photo");
    let name = document.getElementById("plant-name").value;
    let wateringSchedule = document.getElementById("noDays").textContent;
    let fertilizingSchedule = document.getElementById("noOfWeeks").textContent;
    let lastWatering = document.getElementById("last-watered").value;
    let lastFertilizing = document.getElementById("last-fert").value;
    let notes = document.getElementById("plant-notes").value;

    newPlant = {
        img: img.src,
        name: name,
        wateringSchedule: wateringSchedule,
        fertilizingSchedule: fertilizingSchedule,
        lastWatering: lastWatering,
        lastFertilizing: lastFertilizing,
        notes: notes,
    };

    let plantUrl = getPlantIndex();

    if (plantUrl == null) {
        myPlants.push(newPlant);
    } else {
        myPlants[plantUrl] = newPlant;
    }

    savePlantsLocalStorage()
    window.location.replace("index.html");
}
```



6 Splitting the work into two parts: system output

```
function createName(plant) {  
  
    let div = document.createElement("div");  
    div.classList.add("plant-name-div");  
    let label = document.createElement("label");  
    div.appendChild(label);  
    label.setAttribute("for", "plant-name");  
    label.textContent = "Plant name: ";  
    let input = document.createElement("input");  
    div.appendChild(input);  
  
    if (plant == null) {  
        input.value = "";  
    } else {  
        input.value = plant.name;  
    }  
  
    input.setAttribute("type", "text");  
    input.setAttribute("id", "plant-name")  
    input.setAttribute("name", "plant-name");  
  
    input.classList.add("class", "inputStyle");  
  
    return div  
}
```



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Coding complementary features

- Edit and Delete Feature
- Notification Visualisation
- Set a Task (Water, Fertilise) to done
- Empty State
- Buttons
- Connecting Camera to the App
- Resizing Pictures with a canva

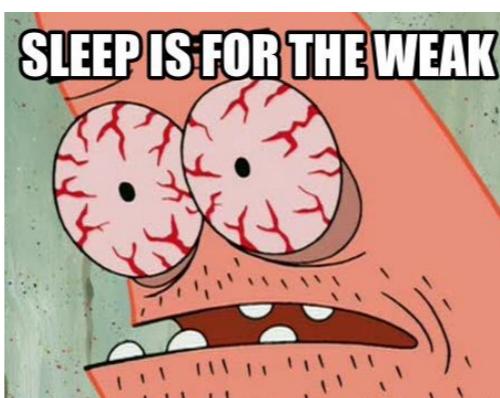


Challenges

- Getting familiar with each other's code

- After work and weekend

- Late at night



- Getting stuck with some functions

```
var r = confirm("Would you like to delete your plant?");
if (r == true) {

    myPlants.splice(plantUrl, 1);
    console.log(plantUrl);
    console.log(myPlants);
    savePlantsLocalStorage();
    window.location.replace("index.html");
}
```

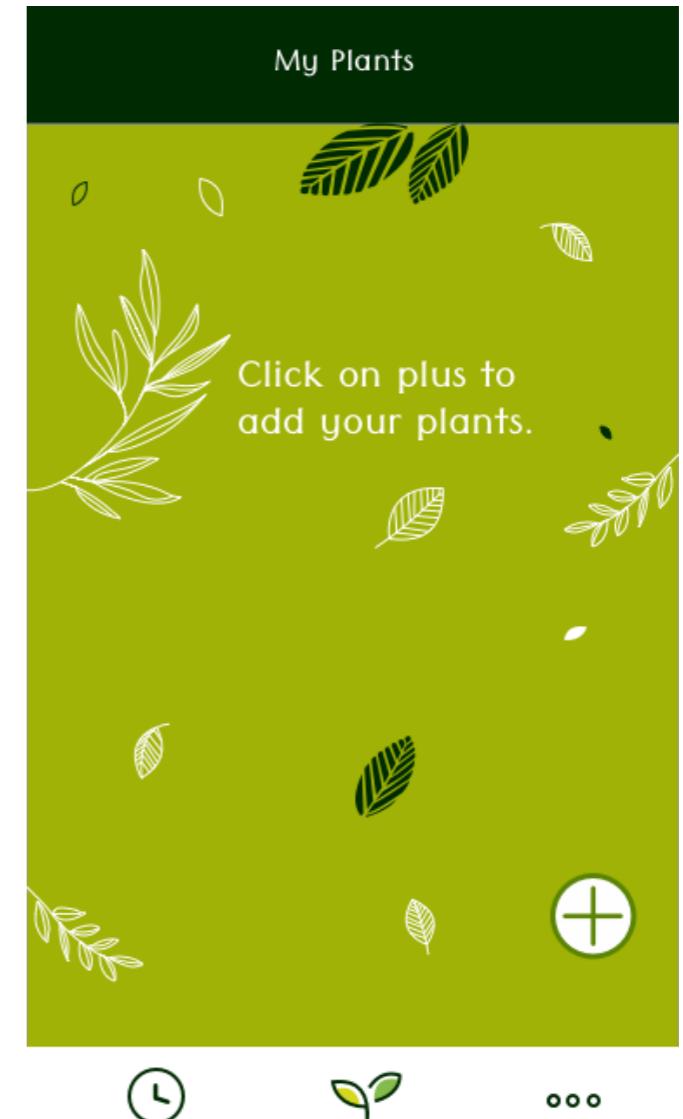
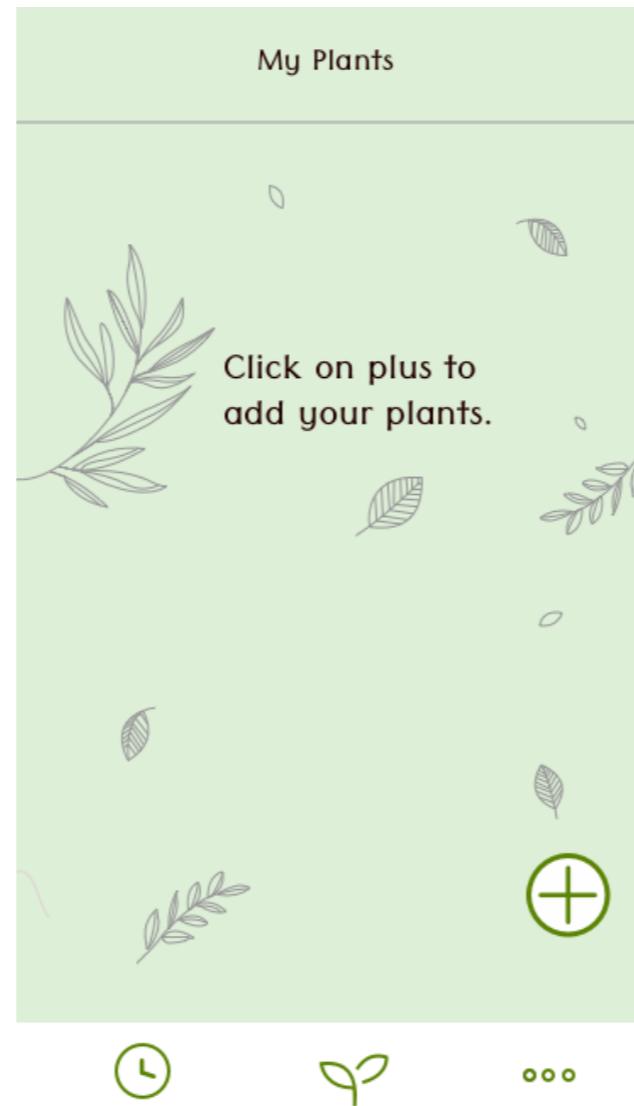
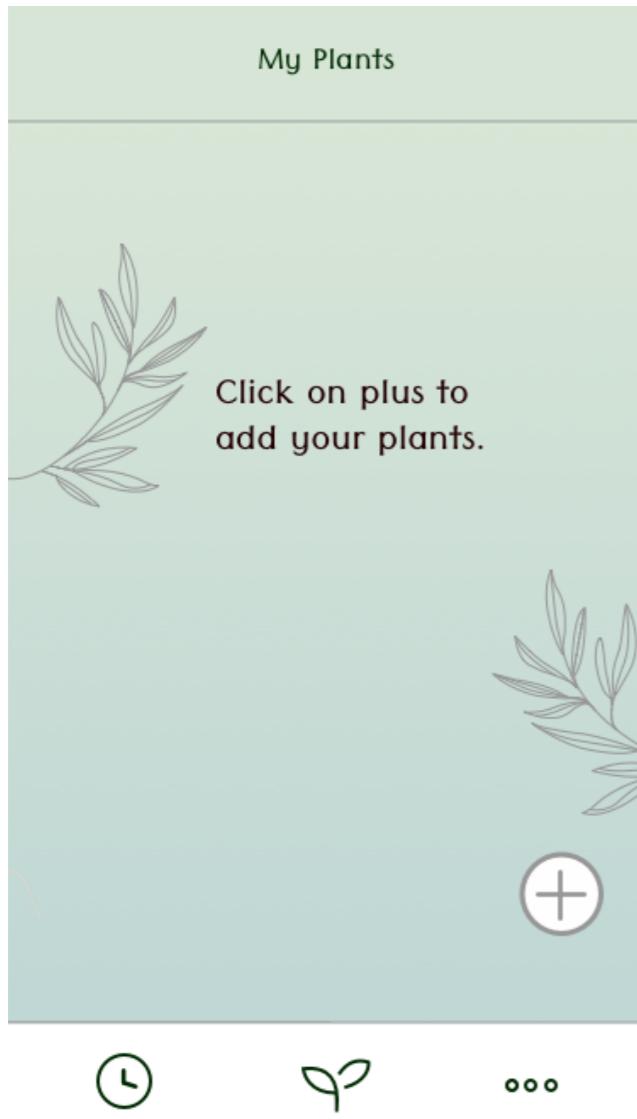


8 Visual Design



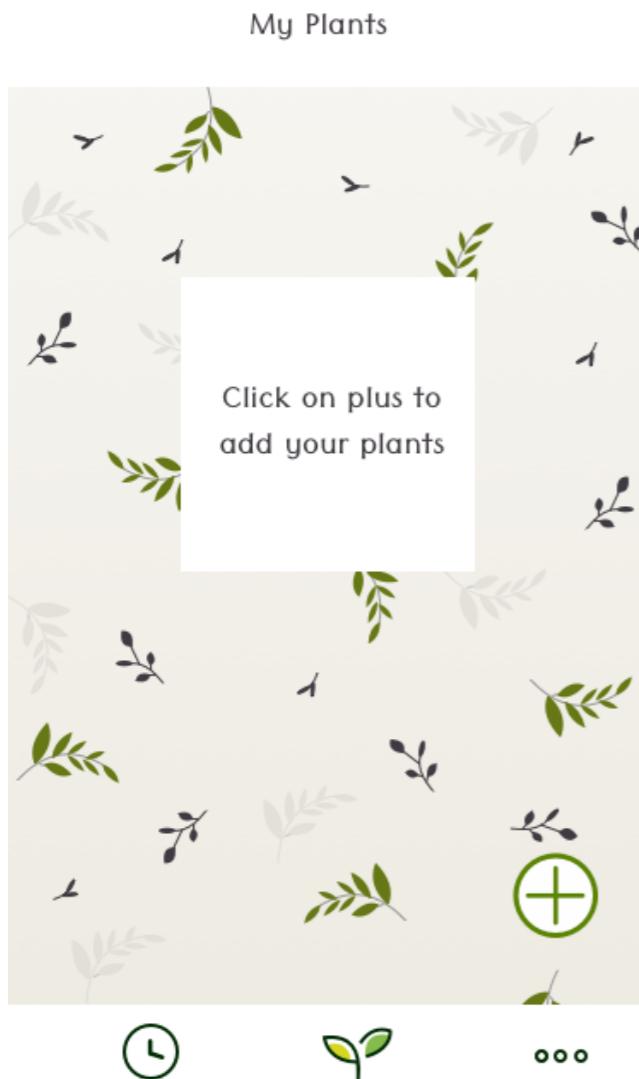
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UI Design



8

UI Design



Highlights

- Using GitHub from the first Day
- Joining each other to code together
- Step by step Alignments
- Attention to Details



Next Steps

- Implementing the “More” Page
- Make the App Live
- Providing Info about the added Plant by connecting it to the valid resources
- Make another App :)





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DEMO:

<https://bit.ly/2zl9BNx>