**Task-centered System Cognitive Walkthrough**

* Use template and Low-fi
* Evaluate tasks
* Revise tasks from stage 2? (rearticulate task and report in conclusion)
* Revise low-fi

Process:

1. Select a task scenario
2. For each user’s ask:
   1. Can build story to motivate step?
   2. Can rely on user’s expected knowledge/training about system?
   3. If no: found a problem! (note and comment), repair and go to next step

Tasks:

* Tasks (horizontal):
  + 1 View list of owned plants and their current status (add sorting criteria)
  + 2 View recommended plants
  + 3 View plant info
  + 4 Search plants in catalogue (add filters)
  + 5 Add plant status
  + 6 Add plant via survey
  + 7 Use the camera to find information on a plant.
  + 8 Edit a reminder that was previously set.
  + 9 Navigate smoothly between different interfaces.
* Tasks (vertical):
  + 1 Add new plant from picture
  + 2 Add new plant from catalogue
  + 3 Set up reminder (turn on notifications)

Template:

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| Task # | Description of Task Step | Does user have training or knowledge to do this step? | Is it believable that they would do it? | Are they motivated? | Comments (including possible solutions) |
| 1v | Add a new plant via camera. | Yes, if the user has used any camera applications before. | Yes. | Yes. Leaves most guess work out of the user's hands and allows application to determine the plant for them. | Include instructions and illustrations on how the camera should be angled to better capture an image. |
| 2v | Add a plant to the plant list via the catalogue | No. This task must be made clear, and simple to use so that users can easily understand and use this function. | Yes. | Yes. As adding plants to the plant list makes it much easier to view the status of currently owned plants. | Users will be able to search the catalogue for specific plants, then easily add plants to their list from there. |
| 3v | Set a reminder for watering a plant. | No. Not intuitive unless the user is familiar with the interface and has explored the navigation thoroughly. | Yes. | Yes. Allows users to let application keep track of a plants watering schedule. | Notifications by the application may be disabled by the user, in which case the application might need to notify the user of the problem. |

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| 1 | View the list of owned plants and their current status. | No. However, this task can be accomplished by opening the application. | Yes. | Users need to know the status of their plants quickly to check if any of the plants need attention. | This is the main function of our app. Must be most intuitive and illustrative. |
| 2 | View recommended plants | No. Viewing the recommended plants does not require complex navigation, as they are found when the catalogue is opened without any search inputs. | Yes. | Yes. The user might like to find plants that they are not familiar with, and thus might browse the recommended plants list in the catalogue. | Adding text to let the user know that the default catalogue items are recommendations may help them understand what they’re seeing |
| 3 | View plant information of an owned plant. | No. Current way would involve going to catalogue to search for the plant info and this process is not very intuitive. | No. A new user may not immediately know how the app works or how to navigate properly. | Yes. They may want to learn more about their plant species as a way to care better for them or simply out of curiosity. | Make My Plant Page scrollable where the top half would include plant care functions and the bottom would include plant information. |
| 4 | Search plant in catalogue. | Yes. If the user as used any type of search function before | Yes. It is how users will be able to find plants in the catalogue | Yes. As searching for a plant in the catalogue allows for users to access more functions, such as plant info and adding plants to their list | Searching through the catalogue should be done through a search bar that will be clearly presented on the catalogue screen. |
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| 5 | Add a new plant status. | No, since this task is not very important, it is hard to navigate to. | Yes. However, it is uncommon. | Yes. Users may want to keep a journal of their plant health at different times. | Since this is a minor task, it does not require as much attention. |
| 6 | Add a new plant via survey. | Yes. Since all surveys are made similarly, the user may find it intuitive. | Yes. | Yes. If they do not have a name or photo of the desired plant. | Add information about each answer so they are not ambiguous. Include a back button in case, they made a wrong choice. |
| 7 | Use the camera to find information on a plant. | Yes, the function to use the camera for scanning a plant is intuitive. | Yes. | Yes, they would be, as it would allow them to learn about a plant of **their** interest. | The user might not have a camera, or allow use of camera by the application, which would require the application to return to the previous interface in that case. |
| 8 | Edit a reminder that was previously set. | No. Not intuitive unless the user is familiar with the interface and has explored the navigation thoroughly. | Yes. | Yes. The user would not want a wrong reminder to remain unedited. But this action should be uncommon. | Make the edit button more inviting to users. Add a user guideline or hints on the reminders page. |

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| 9 | Navigate smoothly between different interfaces. | No. This task must be made intuitively so the user does not need training to learn. Some back navigations don’t exist. | Yes. | Yes. By smoothly navigating between interfaces, the user can avoid frustration and save time. | The addition of a universal navigation bar that persists for all interfaces might make the navigation even more smooth for the users. |
| 9a | Access catalogue from “hamburger” menu. | No. | No. The “hamburger” menu is not immediately intuitive as there are no written descriptors, only images for navigating. | Yes. By using the “hamburger” menu, the user can save time on navigation. | Add a small font written description on each of the images.  Keep a legend of the images elsewhere so that users know before accessing the “hamburger” menu what the images are. |