Core Capabilities

List of Core Capabilities during the CCD Presentation:

1. **Ranking Tool** – lets users quickly see the highest-to-lowest environmental cost of each item so they can make instant decisions
2. **Calculator Tool** – lets users quickly calculate the environmental cost of an item to see their impact
3. **Search Tool** – lets users find information about what they’re searching for, or buying
4. **Compare Tool** – lets users instantly compare items to make decisions

User Manual

**Rank Tool Guide:**

1. Press into Rank on the bottom navigation bar
2. Select a Category
3. Once inside the Category, (Ex. Meats), all items are ordered from highest to lowest based on water consumption, with appropriate images
4. Can change from Gallons to Liters
5. Clickable Learn More PopUp

Example of Ranking Feature given below:

![Ranking Feature Example](image)

**Calculate Tool Guide:**

1. Press into Calculate on the bottom navigation bar
2. In the Search Item Input Text field, type in an item to search
3. In the “Buy/Use/Eat” drop down, select a frequency that you buy that item, Ex. once a day, once a week...etc.
4. Press Calculate!
5. Once Calculate is pressed, individual totals & yearly totals for mentioned item will appear
6. Press Challenge!
7. Challenge button will have a PopUp for future use.

Example of Calculate Feature given below:

![Calculate Feature Example](image)

Search Tool Guide:

1. Press into Search on the bottom navigation bar
2. Search homepage will appear.
3. Press on the Search Input Text bar, type in the item to search for.
4. Or click on the clickable images listed in the grid of images below the search bar.
5. Once the item is selected, customized item details along with the item image will appear with a customized navigation bar.
   a. Note: Beef, Jeans and Makeup are customized. Every other item lists the given details in the database.
6. User has the option to click on the Home button, on the top, in which it will take users all the way out of this current navigation back to Homepage.
7. Navigation bar has clickable features such as: water, compare, earth, health and recyclable details listed in each customized item.
8. Each Navigation bar page for customized items has a “what can I do?” button that takes a user to another page which displays what the user can do to reduce water consumption.
9. Below the “what can I do?” button displays clickable icons that allows users to click on brands that are eco-friendly alternatives to the searched item.
Examples of Search Feature given below:

Compare Tool Guide:

1. Press into Compare on the bottom navigation bar
2. Select Dropdown for item one, search for item one
3. Select Dropdown for item two, search for item two
4. Press Compare!
5. Once compare is pressed, items searched for will be displayed with images and water consumption details. Items with lower water consumption will be highlighted green. Any further item details will be listed below.

Examples of Compare Feature given below:
Record for CCD Report

New Risks/Priorities:
There are no new risks associated with this application.

Priorities include:
1. Test the application
2. Make the small changes to the UI
3. Make the structural changes asked by the client to the application

What the client liked
- The client liked the fact that all features and capabilities worked very well and exactly as they should.
- The client liked the fact that all popups, modals, autocomplete, and other similar features were properly implemented and worked as he was expecting.
- The client really enjoyed the “G/L” button and requested that it be implemented in other areas of the application.
- The client loved that the UI looks exactly like the Figma files and UI mockups that he designed.

Concern Logs (Suggestions)
1. Rank Feature
   a. Gallon should be set a default measurement
   b. “G/L” button should be closer to the top
   c. Increase space, make UI change to the image and actual water consumption bar. (Move the water consumption bar to the right).
   d. Reduce space between the water consumption bar and the below liter/gallon text.
   e. In the popUp for learn-more button, Reduce space above the images.
   f. Left align text in the popup.

2. Calculate Feature
   a. Add the “G/L” button & should be closer to the top.
   b. Make the buttons circular/consistent with the rest of the app
   c. Make all the texts to be black
   d. Reduce white space amongst text inputs and the titles

3. Search Feature
   a. Remove the shadow beneath the search bar.
   b. Add all two hundred images to the main search home page.
   c. Add circles around the customized products, aka beef, jeans, & makeup.
   d. “What can I do” button should appear at the 3/4ths mark in every customized page.
   e. Reduce customized navigation bar size for customized items.
   f. Add home icon instead of the home text.
   g. Center align all the text in “What can I do” page
   h. Left align text in the popup.
   i. Add more space in the customized search items page at the top of every navigation bar page.

4. Compare Feature
a. Add a plus button
b. Search should be consistent with the Search page. Search icon should be in the search bar.
c. Add the “G/L” button & should be closer to the top.

Test Cases

These are the test cases to be implemented by the team:

1. Rank Feature
   a. Opening a Category
   b. Check Data Against Database
   c. Check UI Against Figma File
   d. PopUp
   e. Liter/Gallon Functionality, (Gallon Default)
   f. Check Png Files

2. Calculate Feature
   a. Image Matches Item searched
   b. Typing in Every Item and making sure its consistent
   c. Checking the Frequency Field math for consistency
   d. Challenge PopUp
   e. Liter/Gallon Functionality, (Gallon Default)
   f. Item is not searched, alert should appear
   g. Frequency is not select, alert should appear

3. Search Feature
   a. Opening Meat, Jeans, Makeup
   b. Opening any other item except Meat, Jeans, Makeup
   c. For Meat/Jeans/Makeup: Earth Page
   d. For Meat/Jeans/Makeup: Heart Page
   e. For Meat/Jeans/Makeup: Recycling Page
   f. For Meat/Jeans/Makeup: Compare Page
   g. For Meat/Jeans/Makeup: Water Page
   h. Image Consistency for Every Item
   i. Clicking on URL to make sure it goes to the proper page
   j. What Can I Do? Pages go to the proper pages allocated
   k. Back Button Functionality
   l. Home Button Functionality
   m. Clickable Images, working properly

4. Compare Feature
   a. Checking Every Item in Compare Field
   b. Check Every Image
   c. Check Every Text (Gallons p lb/ Liter p Kg)
   d. Drinks (Qualifiers)
   e. Notes for Every Item
   f. Liter/Gallon Functionality, (Gallon Default)
Acceptance Criteria

No new changes, these are the same as mentioned earlier:

1. **Win-Condition**: As a user I can calculate the costs/the environmental impact of what I buy so that I can make better decisions.
   a. Acceptance Criteria
   i. I need to be able to select an item
   ii. I can choose the frequency of how often a time frame I buy an item
   iii. I should be able to see the total water consumption of that item based off of the frequency
   iv. I should be able to see the yearly consumption of the item based on the time frequency (daily, weekly, monthly etc...).

2. As a user I can find eco-friendly information on the item (food, clothing, etc.) I search for in order to make environmentally conscious decisions.
   a. Acceptance Criteria
   i. Search bar should be displayed on the home page.
   ii. The icon for the items are displayed on the search home page.
   iii. The water cost of the item should display once the icon is tapped on/or item is searched.
   iv. I can see the bottom navigation bar with the icons for waterpage, comparepage, earthpage, healthpage & recyclepage.
   v. I can see the individual customized pages for each of the buttons in the navigation bar aka (waterpage, comparepage, earthpage, healthpage & recyclepage.)
   vi. Home button should take me to the main home page in the app.

3. As a user I can compare the environmental costs of different products and choose the best option.
   a. Acceptance Criteria
   i. I can see two search bars on the compare home page
   ii. I can add more search bars to compare multiple items
   iii. I can remove search bars if the search bar is not needed
   iv. I can see the water consumption based on the items selected
   v. I can see & click on the breakdown, rain, irrigation, & cleaning drop downs for further information.

4. As a User I should be able to get the Ranking of the different items in a particular category.
   a. Acceptance Criteria
   i. I can see the categories listed for the items
   ii. I can see the icons (images) of the categories to pick from
   iii. I can click on a specific category and see the items sorted in descending order of highest water consumption to lowest

5. As a User, I should be able to switch between G/L (Gallons or Liters) similar to C/F (Celsius/Fahrenheit) on weather apps.
   a. Acceptance Criteria
   i. I can see the G/L button
   ii. I can see the current water metrics based off of gallons or liters
iii. I can click from Gallon to change from Liters and vice versa.

6. As a Client/Maintainer, I can add/update/remove items in the database so that the database continues to be up to date
   a. Acceptance Criteria
      i. I can see the current content of the database
      ii. I can choose which items to update/add/remove to/from the database
      iii. I can see the changes made once the database has been changed
      iv. I can save edits made to the database

7. As a user I should be able to access the application anytime anywhere.
   a. Acceptance Criteria
      i. I can see the app icon when I open my phone
      ii. I can download the app on any iOS smartphone
      iii. I can have the same app experience and UI on any iOS smartphone
      iv. I can use the app on any iOS smartphone as long as it is connected to the internet

8. As a user, I should have access to correct product information.
   a. Acceptance Criteria
      i. I can get the correct water consumption for the product that I am searching for.
      ii. I should be able to see error messages when data or the product is missing from the database.

9. As an admin, I should be able to accommodate a growing number of users.
   a. Acceptance Criteria
      i. I can see the information about the increase in the number of users of the application.
      ii. I can see the growing number of products in the database and can take actions to optimize queries.
      iii. I can distribute the load on the database with increasing users.