Project Name:

Project Members:

1. Review the problem statement. Read it carefully. Paraphrase it below 1-2 paragraphs.
2. Draw the initial Use Case Diagram
3. Draw the initial UI screens. Think through carefully. What does user see?
4. Figure out the data elements … what information do you need to keep and what ‘category’ e.g., table name. Draw your initial tables and data elements.
5. How are tables related …. E.g. a plant use can have > 1 plant
6. Draw the data model. Each data table and how related.
7. Review the UI and Use Case Diagram. Walk through how you would store data. Revise model. Show updated UI and Use Case.
8. List all the REST resources need to manage (CRUD)
9. For each REST route list JSON response to CRUD of these resources. E.g., Get Plant Types, Update Plant type, Delete Plant type.
10. What is the API? Document the API. List each REST resource and it response for:
    1. Create
    2. Read – read 1 item
    3. Update – Update 1 item
    4. Delete – delete 1 item
    5. Error conditions – What happens if CRUD for unknown item.
11. Work and revise the UI. Develop a prototype that can be evolved with real code. THINK through prototype and model. Walk through each action that user will be able to do. Is model correct? Is UI correct?
12. Get a working environment that your team can use. Install Github desktop. Practice sharing document/code changes.
13. Create the actual database tables and populate with dummy data.
14. Select an initial action and build out UI with Code. Select same initial action and build out REST interface.