Project Design Phase-II
Data Flow Diagram & User Stories

Date	23 October 2023
Team ID	Team-593089
Project Name	Deep Learning Model for Detecting Diseases in Tea Leaves
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Step 1: Information Gathering

Based on your description, I understand that you want a mindmap for an AI system that detects diseases in tea leaves using an R-CNN model. The system includes a user interface (website), an image processing module, an R-CNN model, a precaution, prevention, and cure module, and a database.

Let's start by gathering more information about each component and their interactions.

Step 2: Mindmap Generation

Here is the mindmap that represents the structure and interactions of the AI system for tea leaf disease detection:
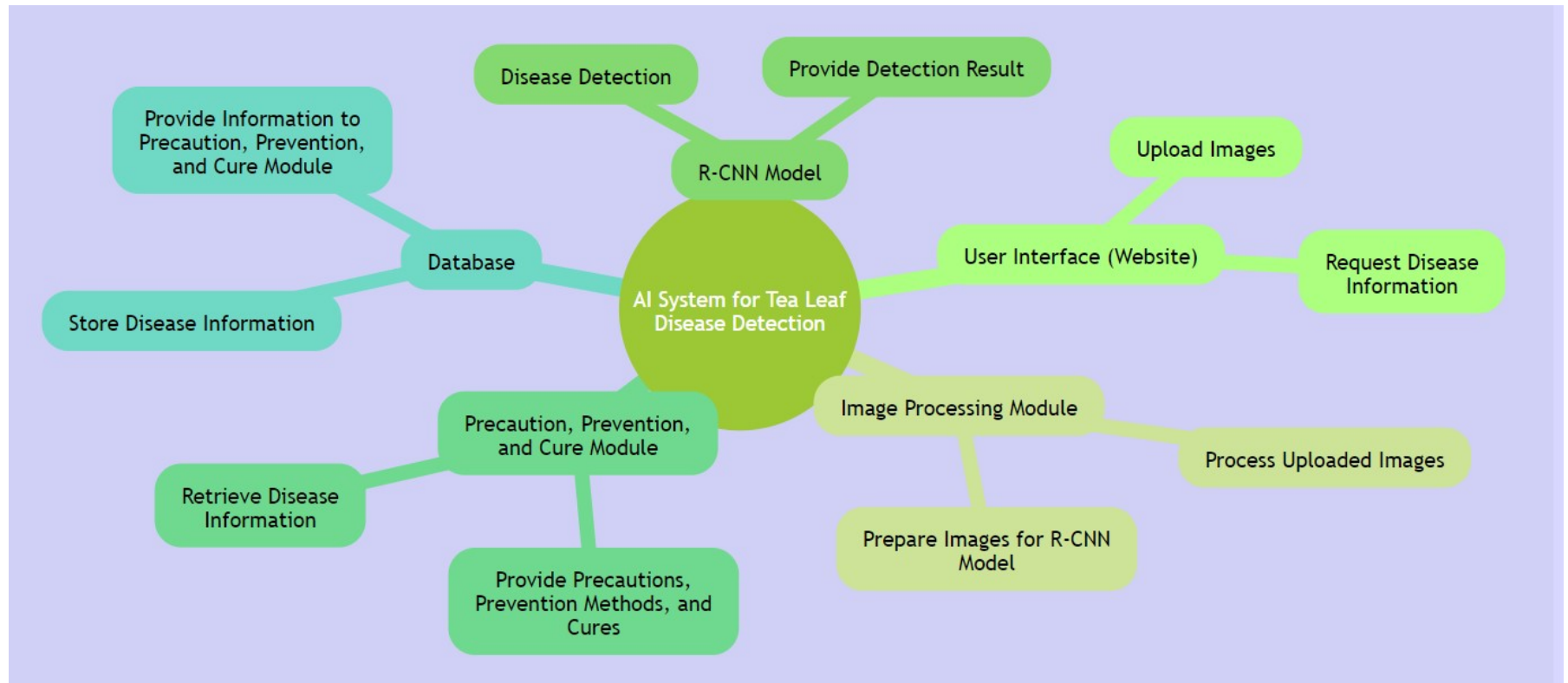
Figure 1: Mind map for Tea Leaf Disease Detection System

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement	User Story Number	User Story/Task	Acceptance Criteria	Priority	Release
Customer (Web user)	Registration	USN-1	As a user, I can register for the webpage by entering my email, password, and confirming my password.	I can access my account/dashboard.	High	Sprint-1
		USN-2	As a user, I will receive a confirmation email once I have registered for the application	I can receive confirmation email and password.	High	Sprint-1
		USN-4	As a user, I can access the contact info of the customer help centre if I face any difficulty in navigating through the site.	I can call the customer help centre and solve any problems that I might face while navigating through the site.	Medium	Sprint-2
	Login	USN-3	As a user, I can log into the application by entering the email & password.	I can access my dashboard after logging in.	High	Sprint-1
	Dashboard	USN-4	As a user, I can access disease trend reports, insights, and my history on the dashboard.	I can access the reports and my history on the dashboard to keep myself updated.	High	Sprint-1

		USN-5	As a user, I can upload images of tea leaves for disease analysis	I can simply click an upload image button to upload my image and get a disease analysis report on the dashboard. This report will be saved to my history which ca be accessed at any time later.	High	Sprint-1
Customer Care Executive	Customer Care Dashboard	USN-6	As a Customer Care Executive, I want access to a dashboard displaying customer disease reports.	The dashboard should display disease reports with customer details and disease information.	High	Sprint-1
Administrator	Admin Tools and User Management	USN-7	As an Administrator, I want to manage user accounts and access system logs.	The administrator should be able to create, modify, and delete user accounts, and access system logs for monitoring and maintenance.	Medium	Sprint-2