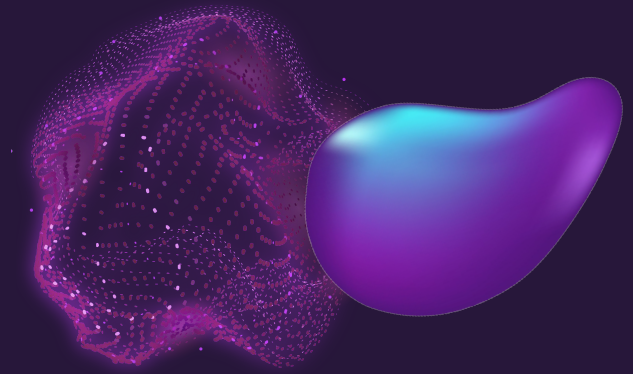


Team:Code warriors

Problem statement : Medical project

Problem Statement

The task is to create an AI-based application in the medical field that identifies plants from photos and provides information on their toxicity and medical uses. The solution involves building an AI model that accepts a photo of a plant and outputs the plant's name, its toxicity status, and its medical uses.

Solution we give

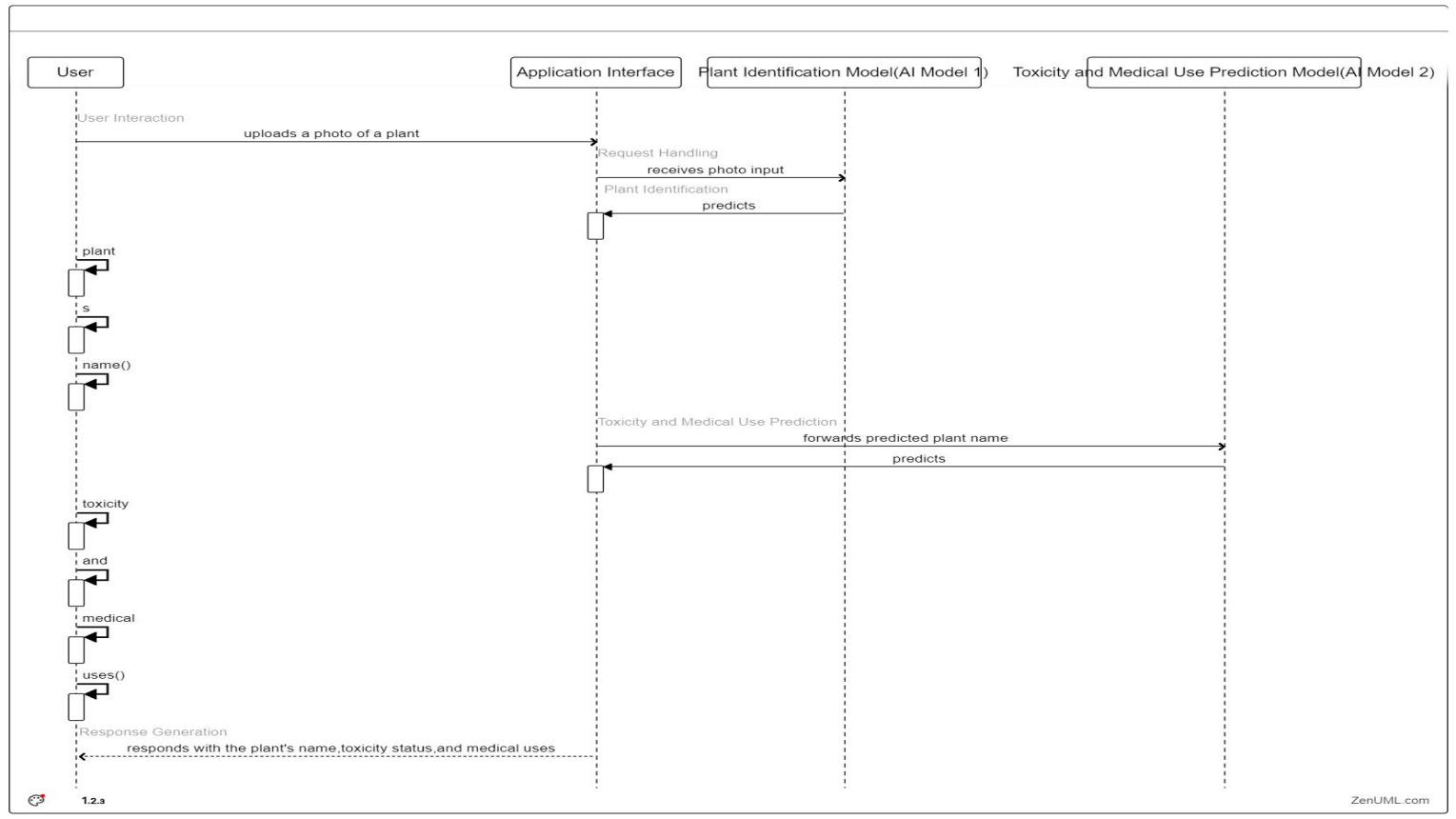
We are building an AI model that will take a photo of a plant and give the user its name, tell them if it is poisonous, and provide information on its medical uses.

1. **User Interaction**: The user interacts with the provided interface and inputs a photo of the plant.
2. **Request Handling**: The application accepts the user's request (photo input).
3. **AI Model Processing**:
    - **Plant Identification**: One AI model predicts the name of the plant from the photo.
    - **Toxicity and Medical Uses**: Another AI model takes the predicted plant name as input and predicts whether the plant is toxic and provides its medical uses.
4. **Response Generation**: The application responds with the name of the plant, its toxicity status, and its medical uses.

Ai/ml model use

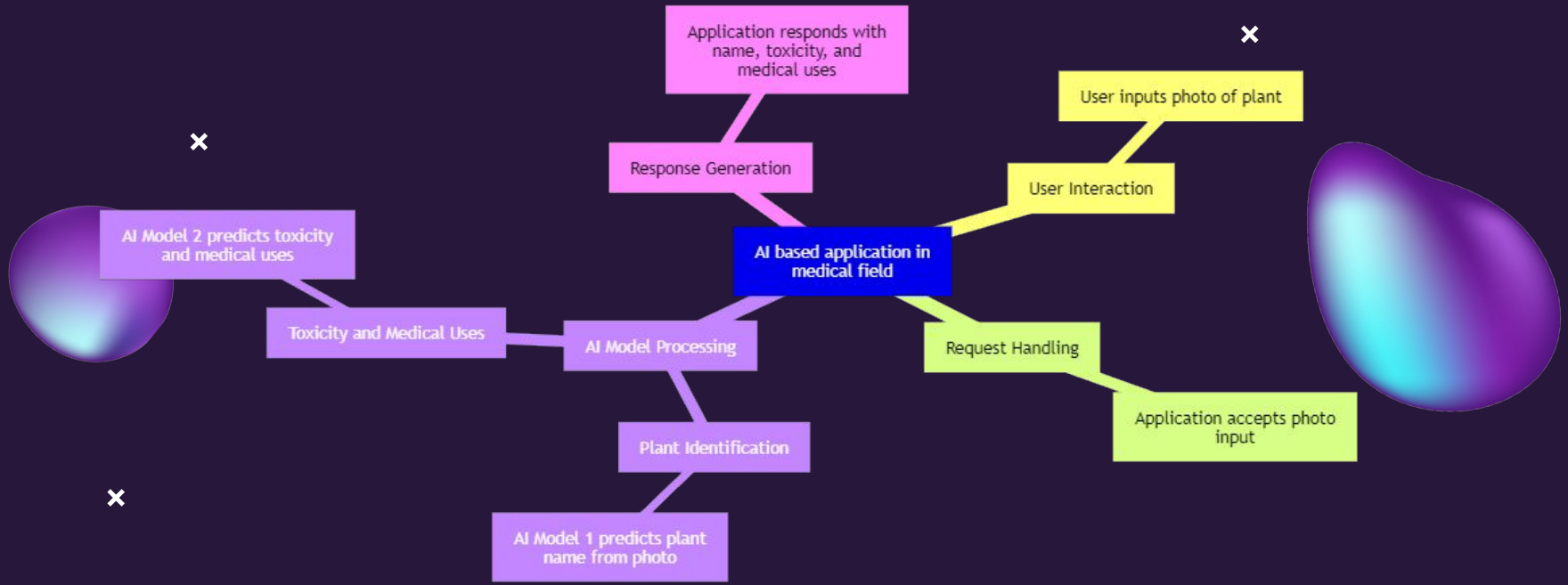
- Image prediction used
- Toxicity prediction
- Medical use prediction

Sequence diagram



Let’s see the prototype

Mind map


AI based application in medical field
User Interaction
User inputs photo of plant
Response Generation
Application responds with name, toxicity, and medical uses
Request Handling
Application accepts photo input
AI Model Processing
Plant Identification
AI Model 1 predicts plant name from photo
Toxicity and Medical Uses
AI Model 2 predicts toxicity and medical uses

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THANKS!