

Project Design Phase-II

Data Flow Diagram & User Stories

Date	19 October 2022
Team ID	PNT2022TMID50788
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	4 Marks

Data Flow Diagrams:

User

Registration/sign up
and sign in

Input
image

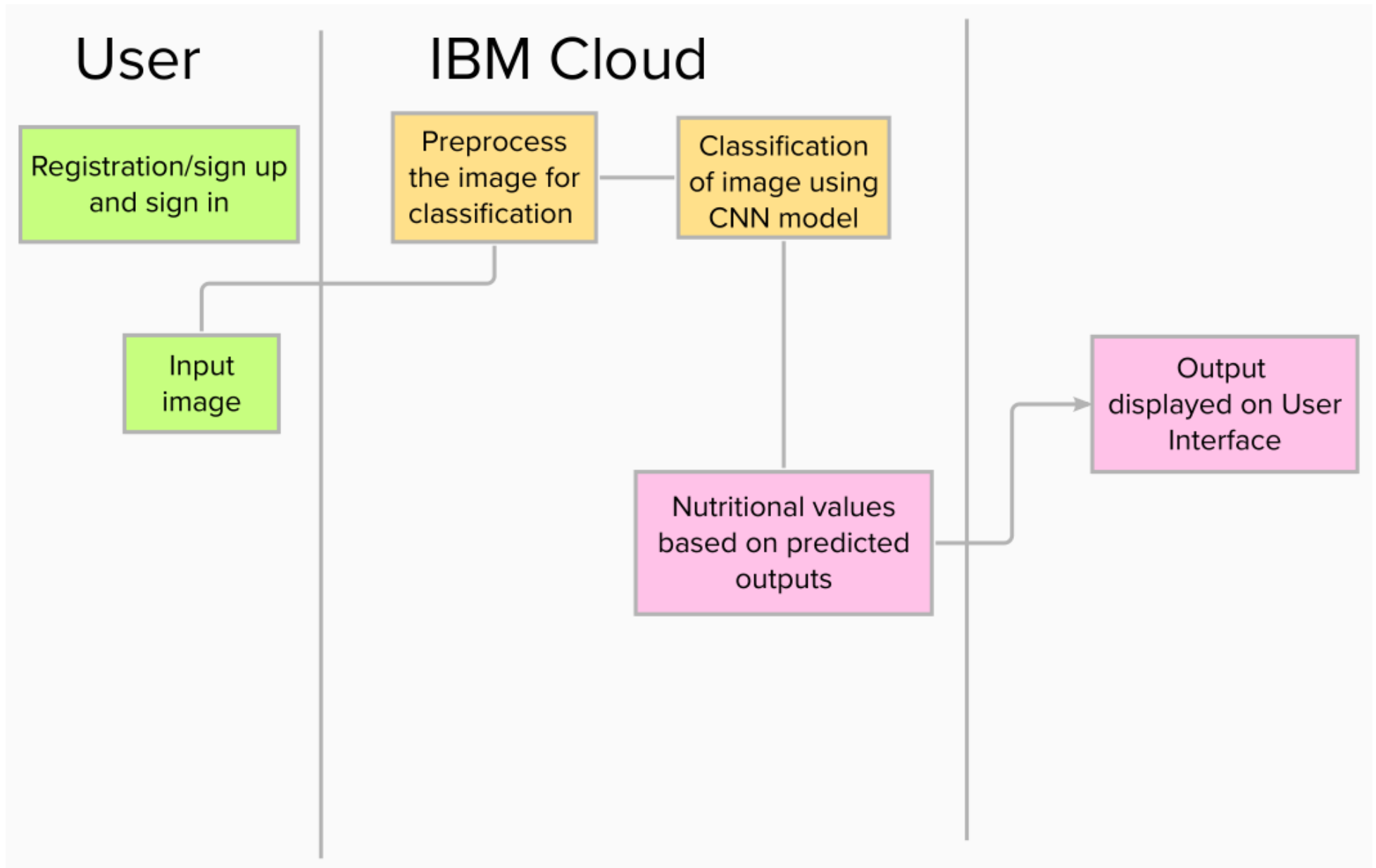
IBM Cloud

Preprocess
the image for
classification

Classification
of image using
CNN model

Nutritional values
based on predicted
outputs

Output
displayed on User
Interface



User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration and login	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
Customer (Web user)	Registration and login	USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
Common to all	Web pages	USN-3	Easy user experience and interface	All can access the UI/Web pages	High	Sprint-1
Customer	Prediction	USN-4	As a user, I can upload pictures from the camera and also from the device.	I can upload picture from my gallery and camera	High	Sprint-1
Customer	Monitoring	USN-5	As a user, I can monitor my daily water intake as per my body weight, and get periodic reminders	I can get periodic notifications for water intake reminder.	Medium	Sprint-2
Customer	Dashboard	USN-6	As a User I can view the nutritional content of food taken for an day	I can monitor my daily nutrition intake	Low	Sprint-3
Administrator	Dashboard	USN-7	As a Administrator I can view and manage users, contents	I can manage users and contents in the application	Medium	Sprint-2
Common to all	Feedback page	USN-8	As a User I can give Feedback.	I can give feedback on any content or event	Low	Sprint-3