

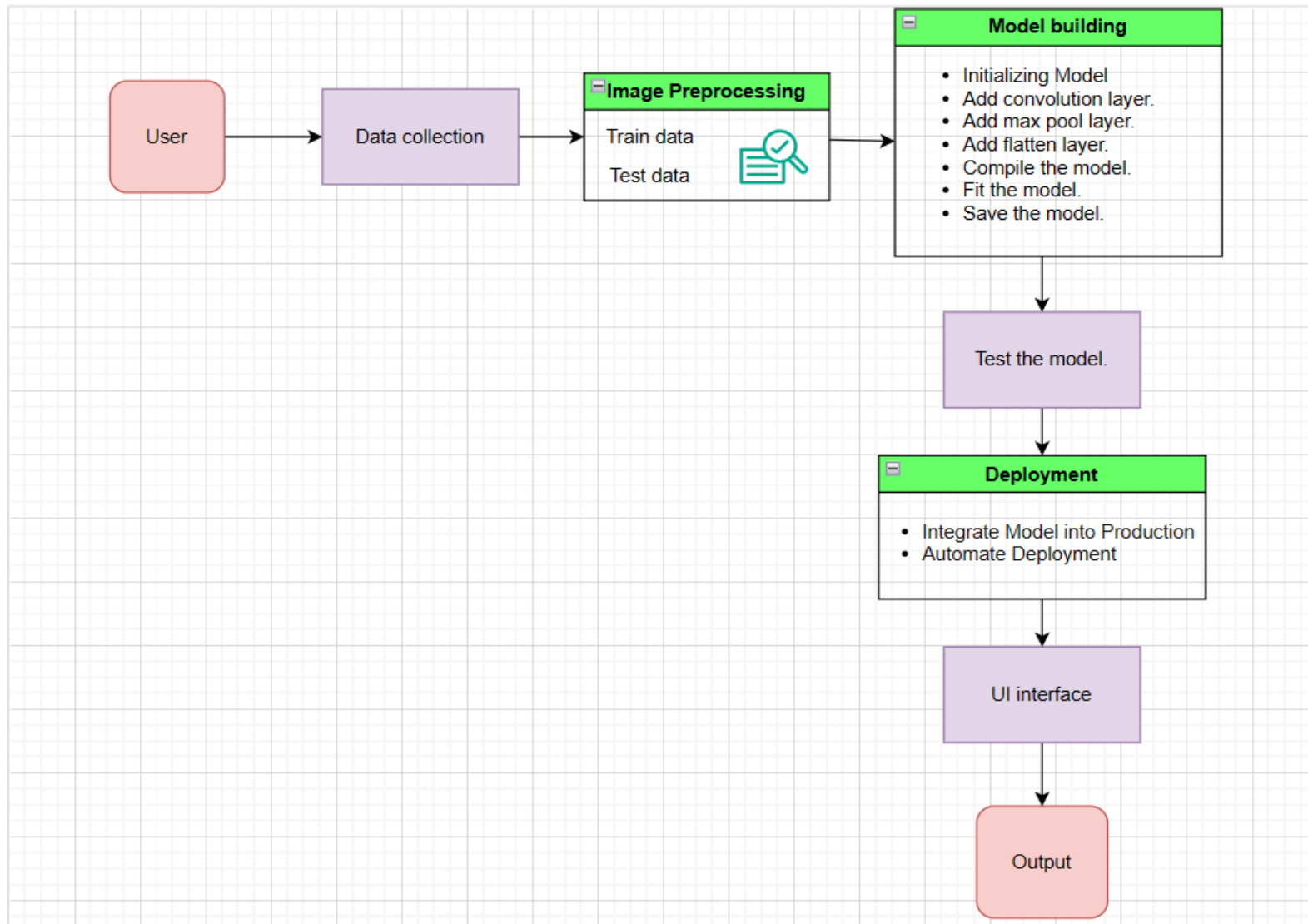
Project Design Phase-II
Data Flow Diagram & User Stories

Date	3 November 2023
Team ID	Team-592065
Project Name	Vitamin Detection using Deep learning
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. The diagram provides an overview and may be adapted based on the specific details of the system architecture.

Data flow diagram:



User Stories

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

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
User	Uses the model for vitamin detection.	User 1	As a user, I want to upload the images for vitamin detection.	The system should have an upload button.	High	Sprint-1
		User 2	As a user, I want to receive a clear results.	Results should be easily understandable.	High	Sprint-1
Data Scientist	Analysis of the data used.	User 3	As a data scientist, I want to select a pre-trained deep learning model for vitamin detection.	The system should allow the selection of a pre-trained model during the model configuration.	Medium	Sprint-2
Administrator	Automation check.	User 4	As a system administrator, I want to automate the deployment process.	The deployment process should be automated to reduce manual intervention.	High	Sprint-1
User	Provides the necessary changes to be made.	User 5	As a user, I want the system to provide real-time feedback on vitamin detection.	The system should display preliminary results as soon as the model processes the uploaded image.	Medium	Sprint-2
User	Analysis of the project.	User 6	As a user, I want to view detailed reports on model training metrics.	The system should display training metrics such as accuracy, precision, recall, and loss during the model training process.	Medium	Sprint-2
User	Security check.	User 7	As a user, I want the system to handle uploaded images securely.	Uploaded images should be stored securely and comply with data protection standards.	Medium	Sprint-2