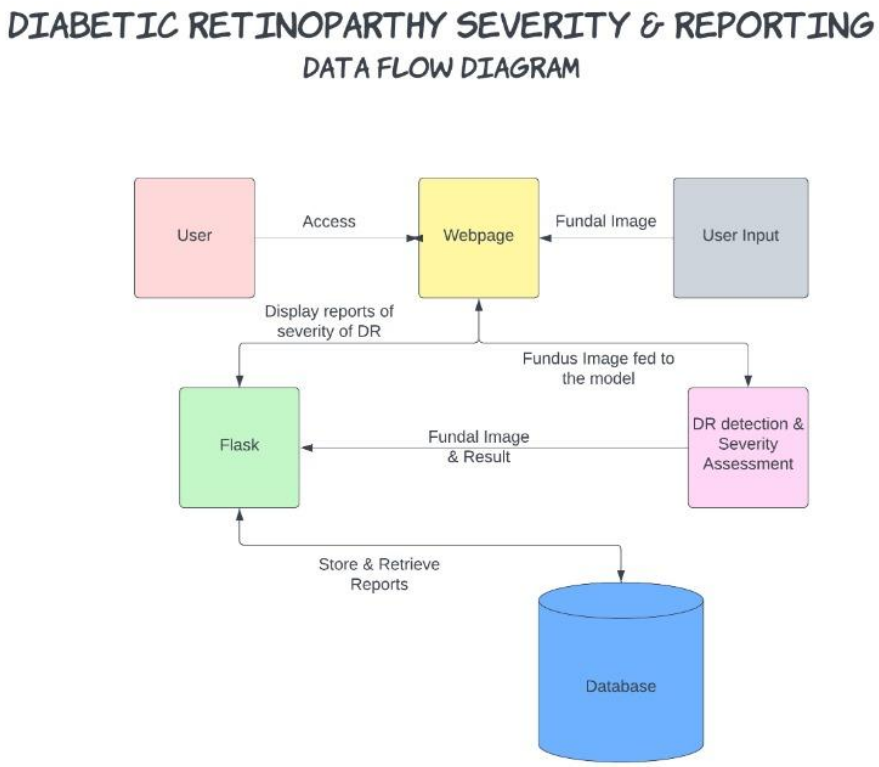
Project Design Phase - III
Data Flow Diagram & User Stories

Date	8 November 2023
Team ID	PNT2023TMID592236
Project Name	**Project** - Deep Learning Fundus Image Analysis For Early Detection of Diabetic Retinopathy
Maximum Marks	4 Marks

Data Flow Diagram:



1. Users access a webpage to input their fundal image for diabetic retinopathy (DR) detection and severity assessment.
2. The input is processed, and the result along with the fundal image are sent to a Flask application.
3. The Flask app displays reports indicating the severity of DR to the users.
4. The system stores these reports in a database for future retrieval.
5. Users can later access and retrieve their DR reports from the database through the webpage

User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	Dashboard	USN-1	As a user, I can access the webpage to upload my fundal image for diabetic retinopathy detection and severity assessment.	The webpage should have an intuitive interface for uploading and submitting fundal images	High	Sprint-1
		USN-2	As a user, I expect the system to process my uploaded fundal image and provide a result indicating the severity of diabetic retinopathy.	Upon submission, the system should process the image and generate a severity assessment report.	High	Sprint-1
		USN-3	As a user, I can view the severity assessment report and the processed fundal image on the Flask application.	The Flask application should display the severity assessment report along with the processed fundal image	High	Sprint-2
		USN-4	As a user, I want the system to store my DR reports in a database for future reference.	After assessment, the system should store the report details in a secure database associated with my user account.	High	Sprint-2

		USN-5	As a user, I should be able to retrieve my DR reports from the database through the webpage	The webpage should provide a user-friendly interface for me to log in and access my stored DR reports.	High	Sprint-3