Project Design Phase-II
Data Flow Diagram & User Stories

Date	04 November 2023
Team ID	Team-591606
Project Name	ENVISIONING SUCCESS: Predicting University Scores Using Machine 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. This DFD outlines the fundamental interactions between users, the machine learning system, and external data sources.

 Here is the Data Flow Diagram for Envisioning Success project
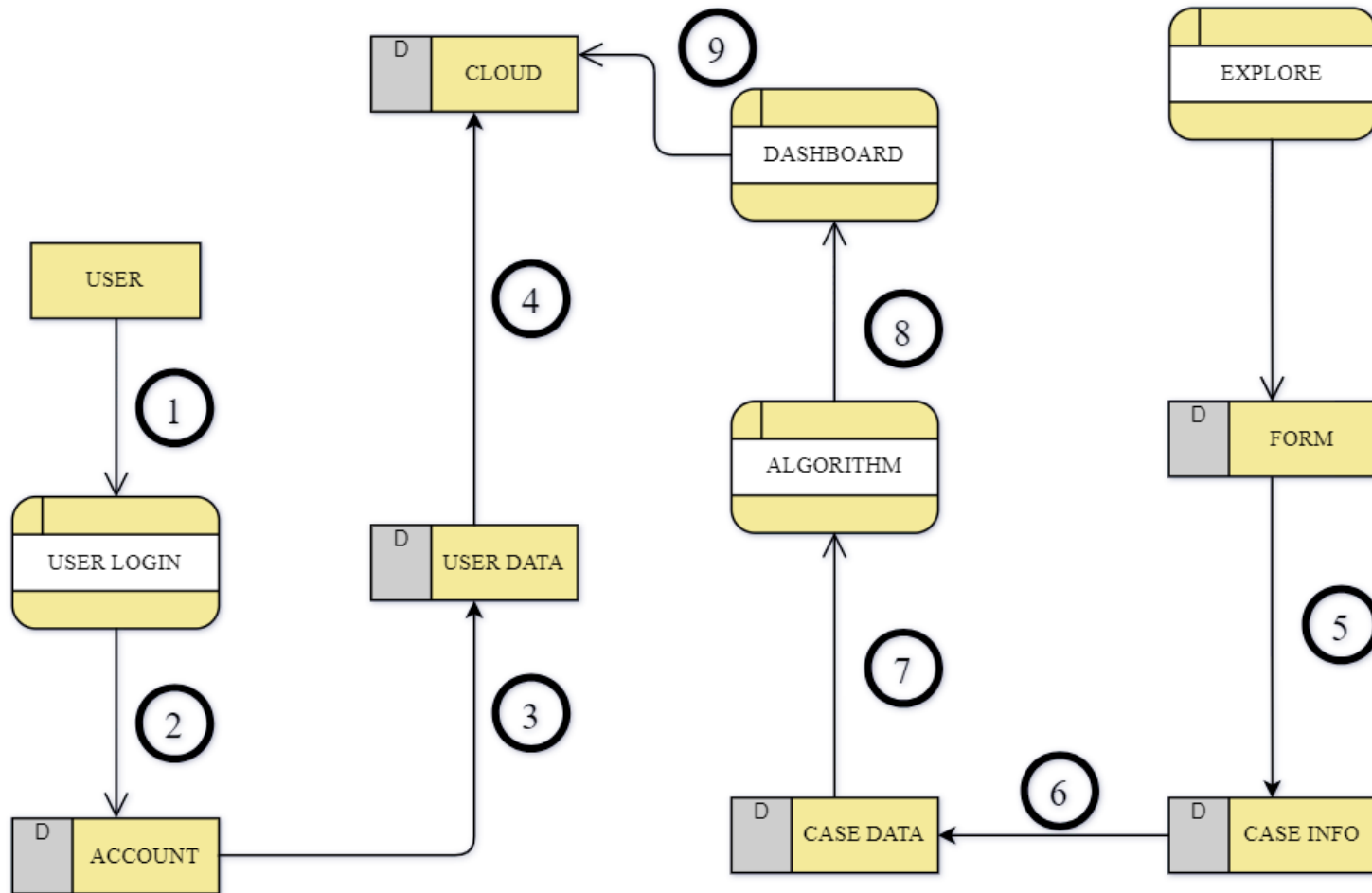
1. User registration is done.

2. An account is created for user after verification.

 3. User profile is updated with personal and educational details.

4. User data is uploaded and saved in cloud.

5. As part of Web App, Under the explore section, user is asked to provide the input characteristics

6. Case Info is being transformed into Case data in specified format

7. Case data is now fed as input to algorithm.

8. Algorithm now predicts the score and displays on dashboard

9. This dashboard along with history is being uploaded in cloud

User Stories

user stories reflect the diverse range of stakeholders who could benefit from the Envisioning Success system, including applicants, university staff, counsellors, parents, and engineer students, all with their unique needs and objectives.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Administrator	Model/Algorithm Building	USN-1	Data Pre-processing and exploratory analysis	Cleaning of the data so as to achieve high accuracy.	High	Sprint-1
		USN-2	Use various ML models on the same data.	Developing several models to find the model with best performance.	High	Sprint-1
		USN-3	Evaluation of the Model and choosing the model with best performance.	Testing the models and selection of model with highest accuracy.	High	Sprint-2
	Model Deployment.	USN-4	Saving the best model	Yielding accurate results	Medium	Sprint-2
		USN-9	Integrating the model with web framework	Proper Model Deployment.	High	Sprint-4
		USN-10	Running the web application	Creating interactive user interface.	High	Sprint-4
Student/Parents	Introductory Page	USN-5	As a user, I need to know about what the website is all about in general.	Need to know about the purpose of the website.	Medium	Sprint-3
	Dashboard	USN-6	As a user, I want the dashboard to provide certain criteria to take into consideration.	I see options to give my conditions for university selection	High	Sprint-3
	Data Entry and Submission	USN-7	As a user, I want to give input of my criteria and each field is mandatory.	I can fill in my requirements of that criteria and submit them. I can submit only after filling all field.	High	Sprint-3
	Result Display	USN-8	As a user, I want to display the University's score.	The result given is almost suitable to the user conditions.	High	Sprint-3