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
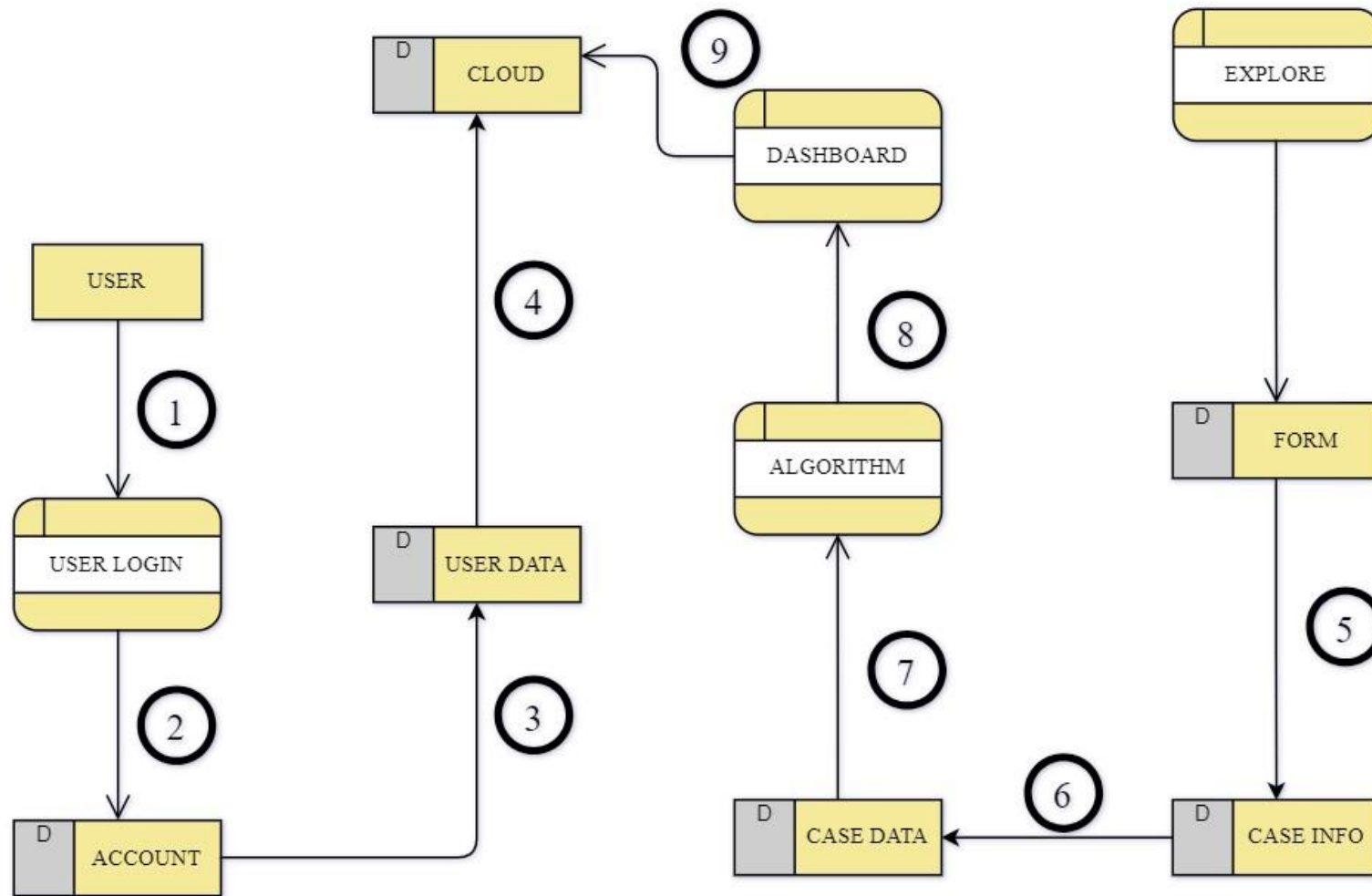
1. User registration is done.

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
Student/Parent	Registration	USN-1	As a user, I can register for the web application by entering my email, password, and confirming my password.	I can access my account	High	Sprint-1
		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
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard	USN-6	As a user, I want all the details of selected Universities	I can access my dashboard	High	Sprint-1
		USN-7	As a user, I want to filter and sort the Universities		High	Sprint-1
Web User	Registration	USN-8	As a user, I want to validate the student profile	I can access homepage	High	Sprint-1
	Profile Management	USN-9	As a user, I want to update student's profile information	I can see my profile updates immediately	Low	Sprint-3
	Data Submission	USN-10	As a user, I want input of University's input characteristics	I can have my submission only after filling all fields	High	Sprint-1
	Result Display	USN-11	As a user, I want to display the University's score along with explanation of scores	I can see Result is user friendly	High	Sprint-1
Administrator	Functionalities	USN-12	As a user, I want to provide search and filter options	I can search by name or other criteria	Medium	Sprint-4
		USN-13	As a user, I want to give support and seek feedback	I can easily find and use feedback options	Medium	Sprint-4
		USN-14	As a user, I want to ensure student's login credentials and profiles secure	I can authenticate using email	High	Sprint-1
		USN-15	As a user, I want to ensure that webpage is designed responsively	I can see the webpage rendering correctly	Medium	Sprint-1

		USN-16	As a user, I want to notify students about updates, account related activities	I can receive notifications	Low	Sprint-4