

Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	593151
Project Name	Project - Predicting Mental Health Illness Of Working Professionals Using Machine Learning
Maximum Marks	4 Marks

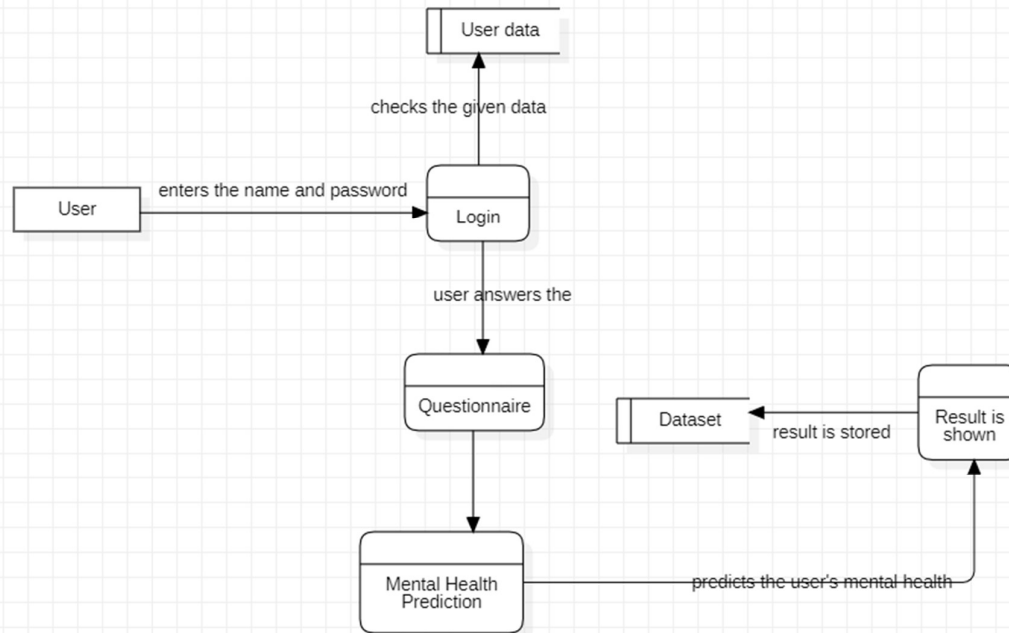
Data Flow Diagrams:

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.

By initiating the system by logging in, triggering a secure authentication process. Subsequently, they navigate to a detailed questionnaire where they input key attributes, such as employment status. The gathered data then flows seamlessly into a robust mental health predictor, employing advanced algorithms like Random Trees and Logistic Regression. This predictive analysis yields valuable insights into the user's mental health.

To culminate this process, the results are systematically stored for future reference and analysis. This comprehensive approach ensures a user-centric, data-driven methodology for mental health assessment, with a focus on accuracy, security, and meaningful insights.

Data Flow Diagram – DFD 0 level



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
Customer (user)	Registration	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
	Mental Health prediction	USN-2	As a User, I want the system to maintain the confidentiality and privacy of my mental health data, ensuring that my information is securely handled throughout the entire process.	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I want to view my mental health prediction results to better understand my current mental state.	I can register & access my mental health report	High	Sprint-1
		USN-4	As a user, I want the mental health predictor to provide clear and concise results, helping me gauge my mental well-being at a glance.	I can see the results are resonating with my mental health.	Medium	Sprint-1
		USN-5	As a user, I want the mental health predictor to consider external factors, such as life events or changes in circumstances, for a more holistic analysis.	I can see that its asking about my external surroundings, and questionnaire is based on	Low	Sprint-2