Project Design Phase-II
Data Flow Diagram & User Stories

Date	13.5.2023
Team ID	NM2023TMID15405
Project Name	Identifying Perinatal Health Risks using Machine Learning Techniques

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.

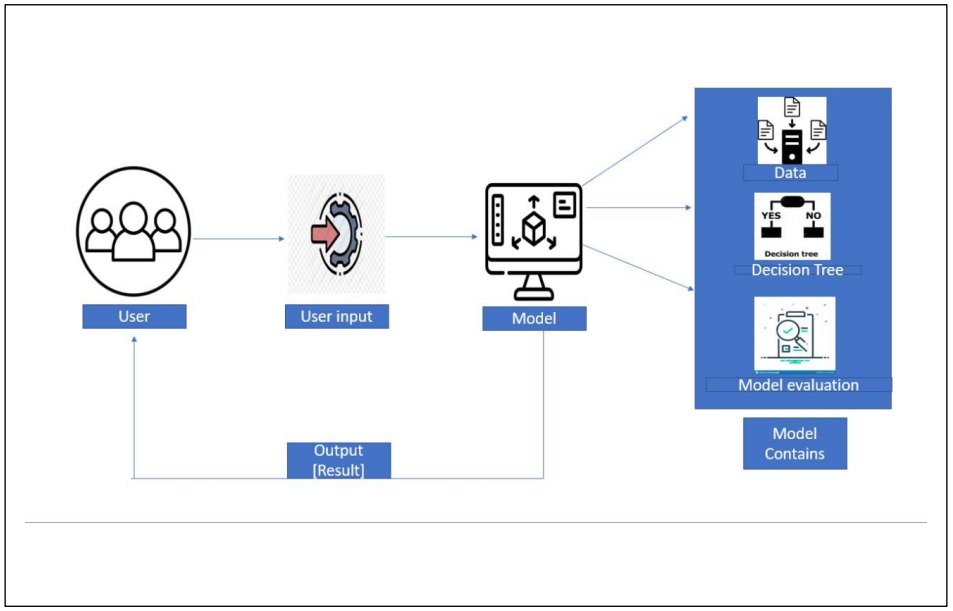
Example: (Simplified)

1.Machine learning techniques can develop predictive models that can help identify individuals at risk of perinatal health complications early on, leading to timely interventions.

2.The use of sensitive medical data raise concerns about patient Privacy.

3.This can lead to timely interventions and personalized care That is tailored to the specific needs of each and individuals.

Example: DFD Level 0 (Industry Standard)



User Stories

Use the below template to list all the user stories for the Identifying Perinatal Health Risks using Machine Learning Techniques

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Team Member
patient	User input validation	USN-1	I want to input perinatal health data for pregnant patients and receive risk predictions for potential complications such as preterm birth or gestational diabetes.	The user interface should provide an intuitive and user-friendly experience	High	Rishma
		USN-2	I want to have an intuitive user interface where I can visualize and perinatal health data to understand the factor contributing to health risks in pregnant women.	The system should comply with relevant data protection and privacy regulations	High	Kaviya
		USN-3	As a pregnant woman ,I want to have access to a mobile application that uses machine learning techniques to provide personalized risk assessments for me and my baby's health during pregnancy.	The system should undergo thorough testing and validation using an independent dataset to ensure its robustness	Medium	Karthick Raja