Project Design Phase – II

Data Flow Diagram & User Stories

Date	11 November 2023
Team ID	Team- 591794
Project Name	USING MACHINE LEARNING TO PREDICT AND MONITER FETAL HEALTH.
Maximum marks	4 marks

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Patient	Interface	US1	Need a friendly interface with proper labels	Easily navigable interface	High	Sprint-1
		US2	Expects fields to enter information	Distinctly visible fields	High	Sprint-1

	Prediction	US3	Needs prediction any number of times in a single page session	Results based on varied inputs	High	Sprint-2
		US4	Expects a clear result on the health of fetus.	Single	High	Sprint-2
		US5	Needs a clear description of the fetus health.	Elongated description of the prediction	High	Sprint-2

Data Flow Diagram

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                        START

                    FETAL DATASET

                        DATA
                    PREPROCESSING

                    SPLIT THE DATA
                         SET

   TRAINING                        TESTING
    DATA                            DATA

   FEATURE
  EXTRACTION

                    PREDICTIVE      EVALUATE
                      MODEL         ACCURACY
 CLASSIFICATION
   ALGORITHM

                          ACCURACY      YES      SAVE THE MODEL
 BUILD AND TRAIN            >=90
  THE MODEL

                            NO                   BUILD WEB
                                               APPLICATION          END
                                               (USING FLASK)
```