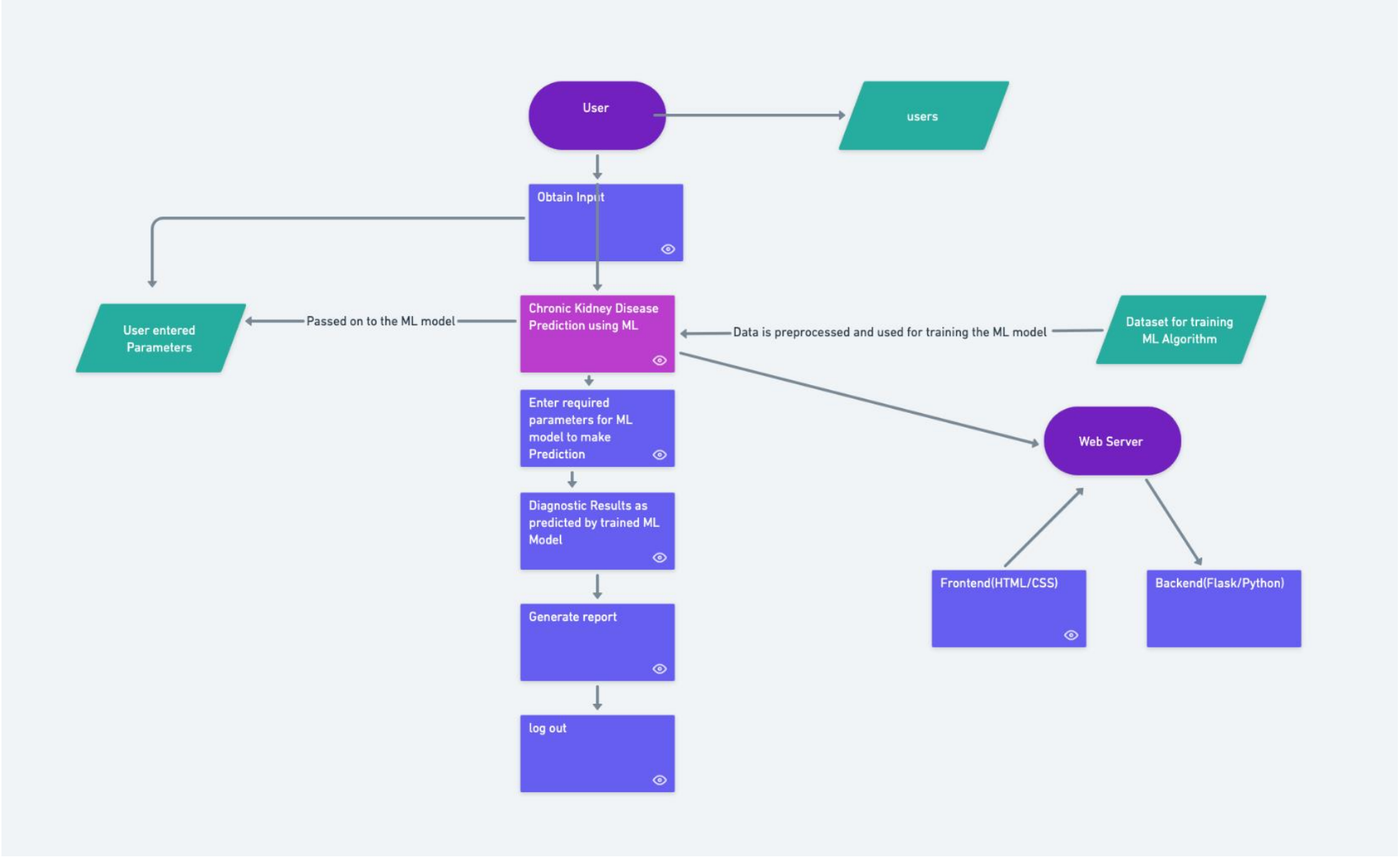
Project Design Phase-II
Data Flow Diagram & User Stories

Date	22 October 2022
Team ID	PNT2022TMID12535
Project Name	Project -Early Detection of Chronic Kidney Disease 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.


User
users
Obtain Input
User entered Parameters
Passed on to the ML model
Chronic Kidney Disease Prediction using ML
Data is preprocessed and used for training the ML model
Dataset for training ML Algorithm
Enter required parameters for ML model to make Prediction
Web Server
Diagnostic Results as predicted by trained ML Model
Frontend(HTML/CSS)
Backend(Flask/Python)
Generate report
log out

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 (web user)	Home page	USN 1	As a user, I can see the home page of the application	I can access the home page of the application	High	Sprint-1
	Dashboard	USN 2	As a user, I must enter the required parameters required to make the prediction using ML model	I can view negative/ positive results produced after diagnosis	High	Sprint-2
	Result	USN 3	As a user, I can view the report generated by the too (Prediction result – Positive/Negative)	I can view negative/ positive results produced after diagnosis	High	Sprint-3
Administrator	Dashboard	USN 5	As an administrator, I should identify the most significant factors that lead to CKD based on the present trend and come up with the input parameter that should be given by the user for CKD prediction	I must identify input parameters required for CKD prediction	High	Sprint-2
	Prediction	USN 6	As an administrator, I must use the most suitable ML model for detection of CKD	I should efficiently train the ML model	High	Sprint-2