

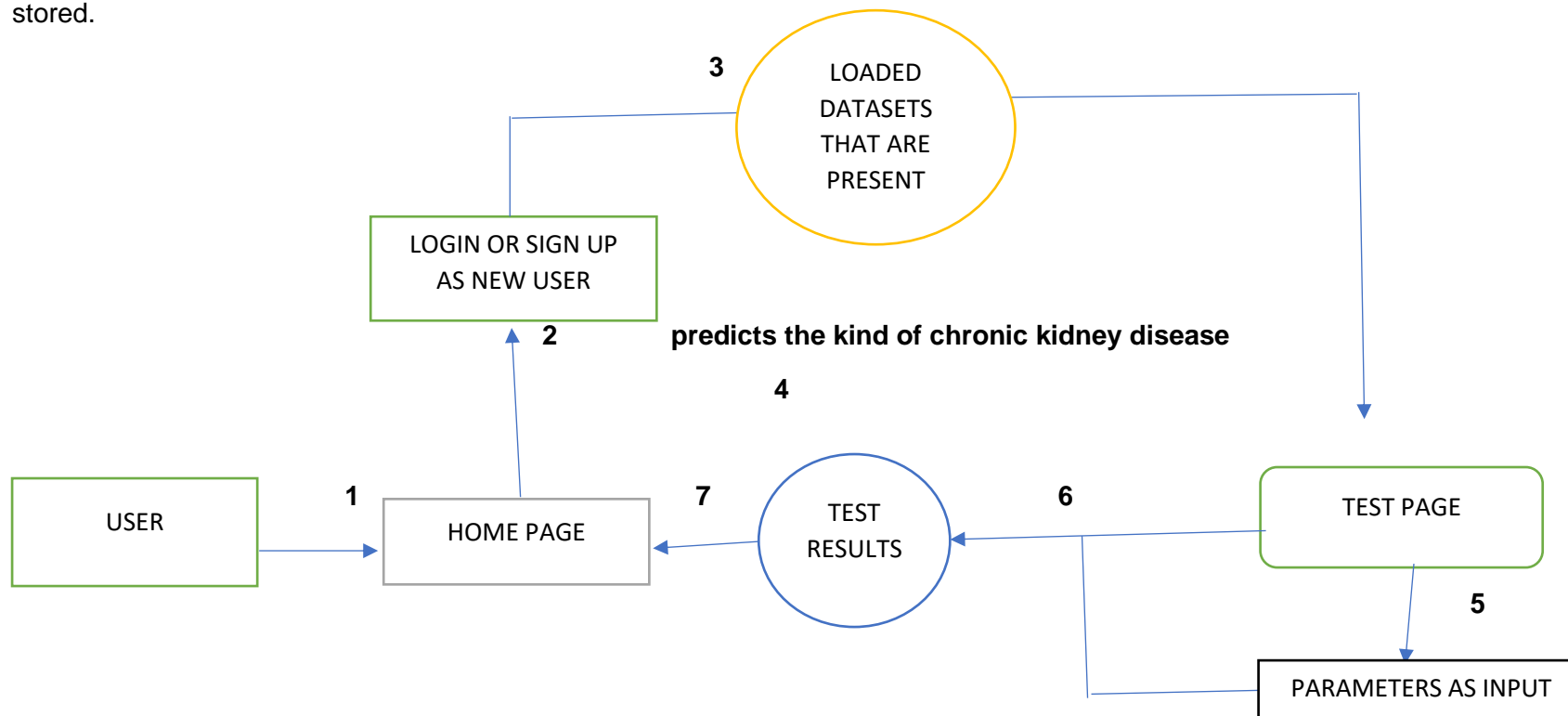
Project Design Phase-II

Data Flow Diagram & User Stories

Date	16 October 2022
Team ID	PNT2022TMID21848
Project Name	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.



1. Medical data of patients is collected from Kaggle.
2. Exploratory data analysis done on the input dataset
3. Then removal of null values, duplicates, and outliers.
4. Then the dependent and independent variable is defined
5. Train test split is done
6. Both classification and regression model are built
7. For Classification, the model is trained and tested with test dataset
8. For Regression, the model is trained and tested with test dataset
9. Then the model is fitted with front end, which is developed using HTML, CSS with the help of Python Flask Web Framework
10. Finally, the output will be predicted for the user input data

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	Registration	USN-1	AS a user, I can register for the application by entering my email, password, and confirming my password.	Homepage is viewed and I can access my account / dashboard	High	Sprint-1
	Verification	USN-2	As a user, I will receive confirmation email once I have registered for the application. Information Regarding the test is conducted to predict	I can receive confirmation email & click confirm. Get access and for practice	High	Sprint-1
	login	USN-3	As a user, I can register for the application using my email id and other details that I provide	I can register & access the dashboard with email Login	medium	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	User login	USN-4	I can now login using my email and password	I have successfully logged in	Medium	Sprint-2
	Login	USN-5	Input Parameters are needed to predict the disease	I have access to this test credentials form	High	Sprint-2
	Dashboard	USN-6	Test results will be displayed	I can receive confirmation email & click confirm	High	Sprint-3
Customer Care Executive	Help		If the user faces any issues, he/she a report it to our mail id.	Report option will be available in web app	high	Sprint-3
Administrator	Verification		Administrator also has unique Id and password to login. He has additional users to organize the users of this web app	Check whether password and email is correct	high	Sprint-3