Project Design Phase II Data Flow
Diagram & User stories

Date	30 october 2022
Team ID	PNT2022TMID01511
Project Name	Early Detection of Chronic Kidney Disease using Machine Learning.
Maximum Marks	4 Marks

Data Flow Diagram:

A data flow diagram shows the way information flows through a process or system. It includes data input, data output and various sub-processes the data moves through.
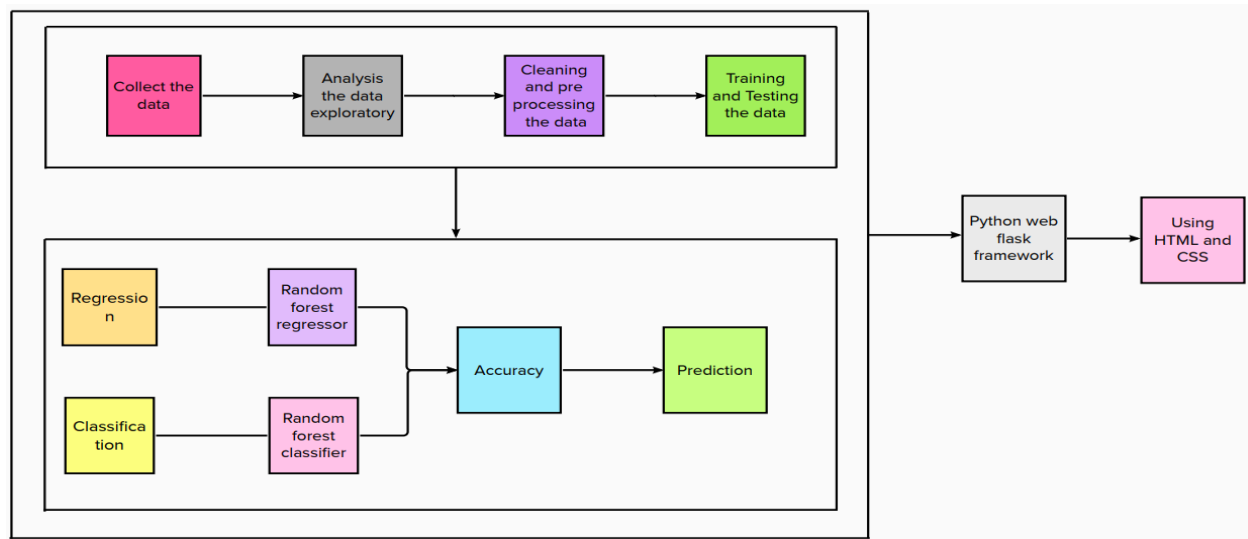
Data Flow of Chronic Disease

1. Medical data of patients is collected.
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 models are built.
7. For classification, the model is trained with RandomForestClassifier and tested with a test dataset.
8. For regression, the model is trained with RandomForestRegressor and tested with a test dataset.

9. Then the model is fitted with a 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:

Use the below template to list all the user stories for the product.

Fundamental requirements	User story number	User story/task	Acceptance Criteria	Priority	Release
Registration	USN - 1	As a user, I can register for the application by entering my email, password and conforming my password	I can access my account/dashboard	High	Spirit - 1
Verification	USN - 2	As a user, i will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Spirit - 1
Login	USN - 3	As a user, I can log into the application by entering email & password	Check whether password and email is correct	High	Spirit - 1
Dashboard	USN - 4	If the email id and password is correct, the user can log in to application otherwise it shows "incorrect password or Id"	View the dashboard of user who is log in	High	Spirit - 1
Help	USN - 5	If the user faces any issues, he/she an report it to our mail id	Report option will be available in web page	High	Spirit - 1
Verification	USN - 6	Administrator also has a unique Id and password to login. He has additional users to organize the user of this web page	Check whether password and email is correct	High	Spirit - 1