Project Design Phase -II
Data Flow Diagram &User Stories

Date	30 September 2022
Team ID	PNT2022TMID 18970
Project Name	Early Detection of Chronic Kidney Disease using Machine Learning
Maximum Marks	4 Marks

Data Flow Diagrams:
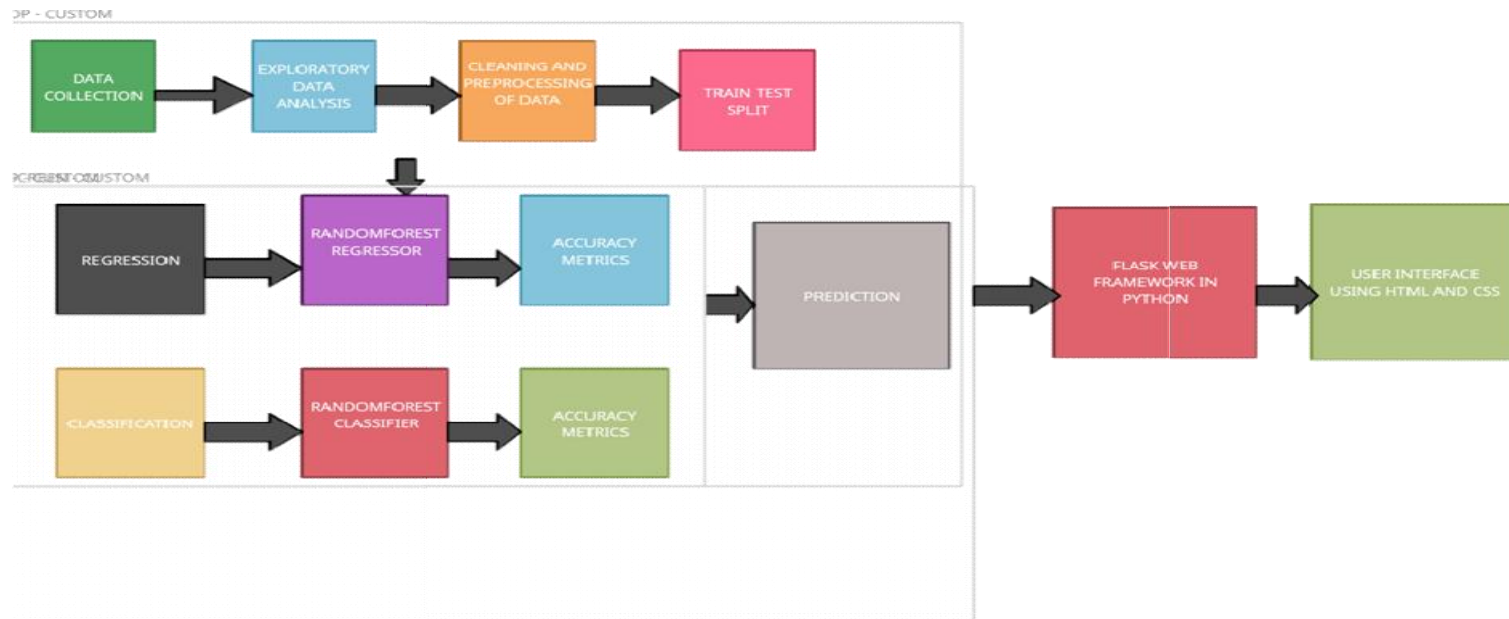
Data Flow of Chronic Disease Prediction

1.Medical data of patients is collected from kaggle.

2.Exploratory data analysis done on the input dataset 3. Then removal of null vaues, duplicates and outliers.

4. Then the dependent and independent variable is defined
5. Train test split is done
6. Both classification and regression model is built
7. For Classification, the model is trained with RandomForestClassifier and tested with test dataset
8. For Regression, the model is trained with RandomForestRegressor 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

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)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	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	I can receive confirmation email & click confirm	High	Sprint-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	Sprint-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	Sprint-1
Customer Care Executive	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 app	High	Sprint-2
Administrator	Verification	USN-6	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