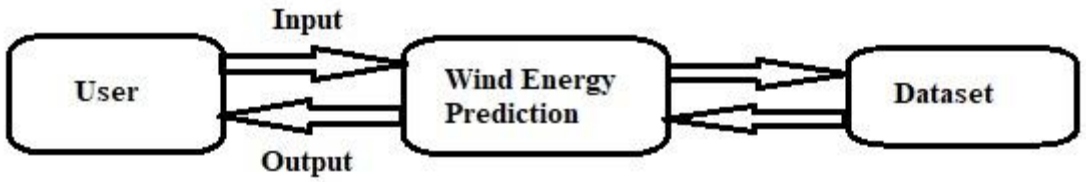
Project Design Phase-II
Data Flow diagrams and User stories

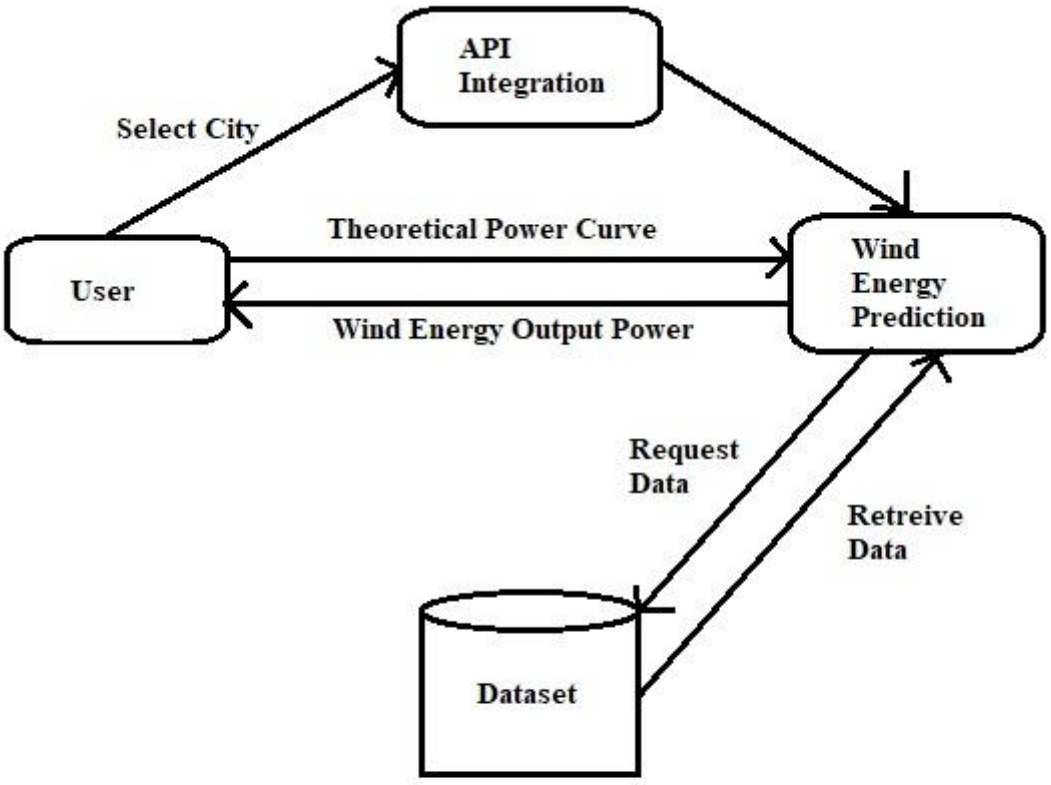
Date	12 October 2022
Team ID	PNT2022TMID25465
Project Name	Predicting the energy output of a wind turbine based on weather conditions.
Maximum Marks	4 Marks

Data Flow:

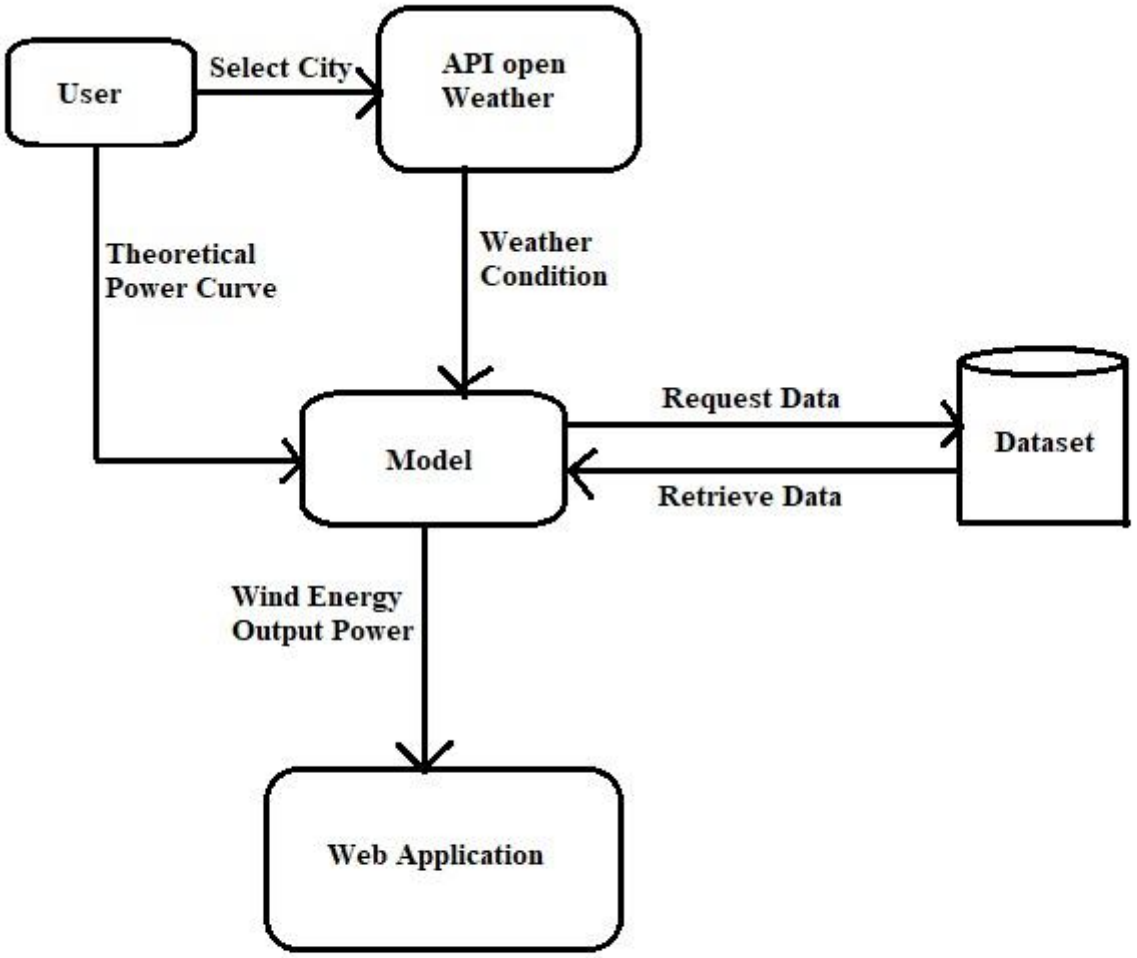
LEVEL 0:



LEVEL 1:



LEVEL 2:


User
Select City
API open Weather
Theoretical Power Curve
Weather Condition
Model
Request Data
Retrieve Data
Dataset
Wind Energy Output Power
Web Application

User Stories:

User Type	Functional Requirements	User Number Story	User Story/User Task	Acceptance Criteria	Priority	Release
Customer	Home (Application)	USN-1	As a user, I can view the guideline as well as the detailed information about the application	I can gain knowledge by practical method to use this application .	Low	Sprint-1
		USN-2	As a User, I can use this application by reading the instructions	I can use this in a user-friendly method by reading the instructions.	Low	Sprint-1
		USN-3	As a User, I can login and by entering the correct username and password	If login is correctly entered ,I can navigate to the next page.	Low	Sprint-2
		USN-4	As a user ,I am allowed to select the city and can get the weather of the city.	I can select the city ,If the city is correct I can further enter the details.	Medium	Sprint-3
		USN-5	As a user I am allowed to view the weather of the selected city.	If the correct city is selected ,then the weather of the particular city will be displayed.	Medium	Sprint-4
		USN-6	As a User ,I can view the Power generated by the wind	If all values are entered correctly I can view the power generated by the	High	Sprint-5

		USN-7	As a User, I can use the web application virtually anywhere	I can use the application portably	High	Sprint-2
		USN-8	As it is open source ,I can use it freely.	I can use it without any payment to access	Medium	Sprint-2