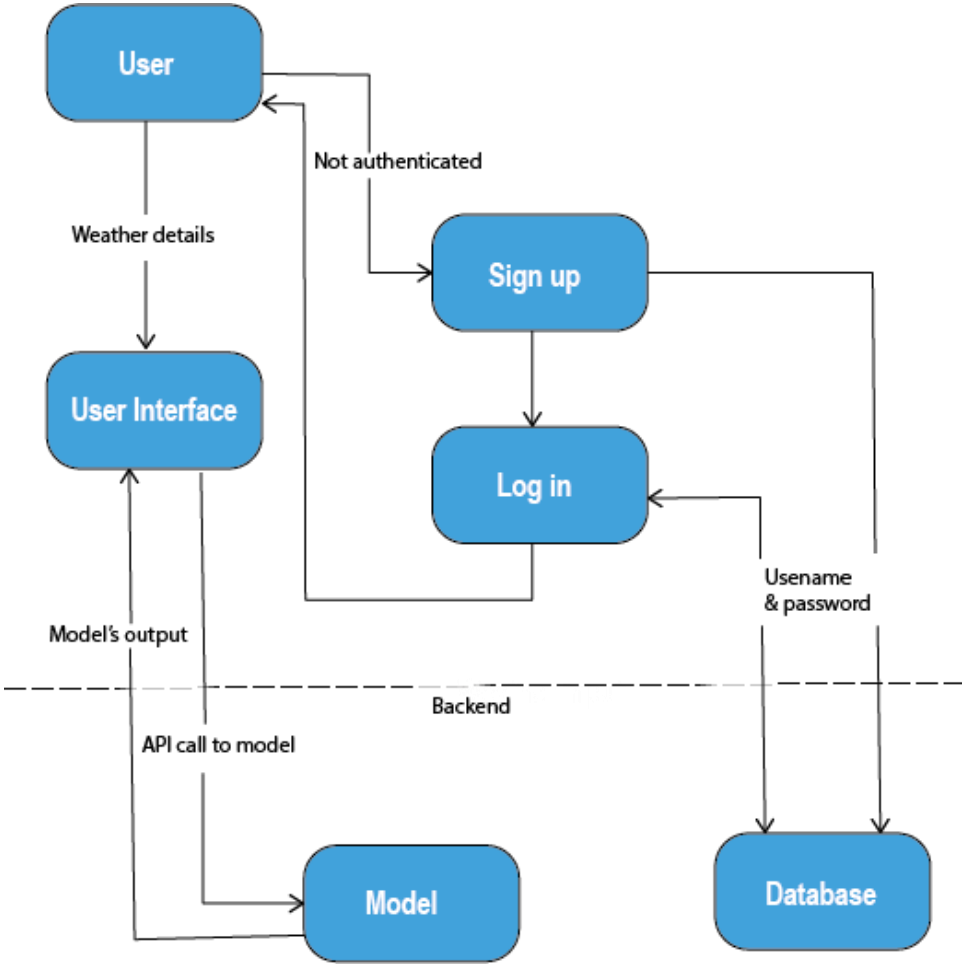
Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID31617
Project Name	Predicting the energy output of wind farmbased on weather conditions.
Maximum Marks	4 Marks

Data Flow Diagrams:



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 (Mobile 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
		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
		USN-3	User should verify the email once they have created their account.	I can register & access the dashboard with using my phone number and password	Low	Sprint-1
		USN-4	As a user, I can register for the application through Gmail		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard	USN -6	Once I have logged in, I can see my dashboard.		Medium	Sprint-2
Customer (Web user)	Web access	USN -7	As a customer I can access the website to predict the turbine power	Customer can access the website once they logged in.	High	Sprint-2
	Prediction	USN - 8	As a customer when I enter the weather details, the website should predict the approximate turbine power		High	Sprint-2
		USN-9	Customer can also provide the latitude and longitude of any location, and our web app will predict the wind power based on the wind speed and wind direction of the location given.		High	Sprint-2
	Forecasting	USN-10	Customer can enter latitude and longitude of any location, our website will forecast wind speed , wind direction and wind power for next 6 days.		Medium	Sprint - 3
	Plotting	USN - 11	Website provides various charts to make the customer understand the speed, direction and power visually.			

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	Security	USN- 12	As a customer I expect my data to be secured	Data should be encrypted	Medium	Sprint-3
Administrator	Database Access	USN - 13	As an Administrator, I should maintain the website. And update the website regularly.	I can manage the website	Low	Sprint-4