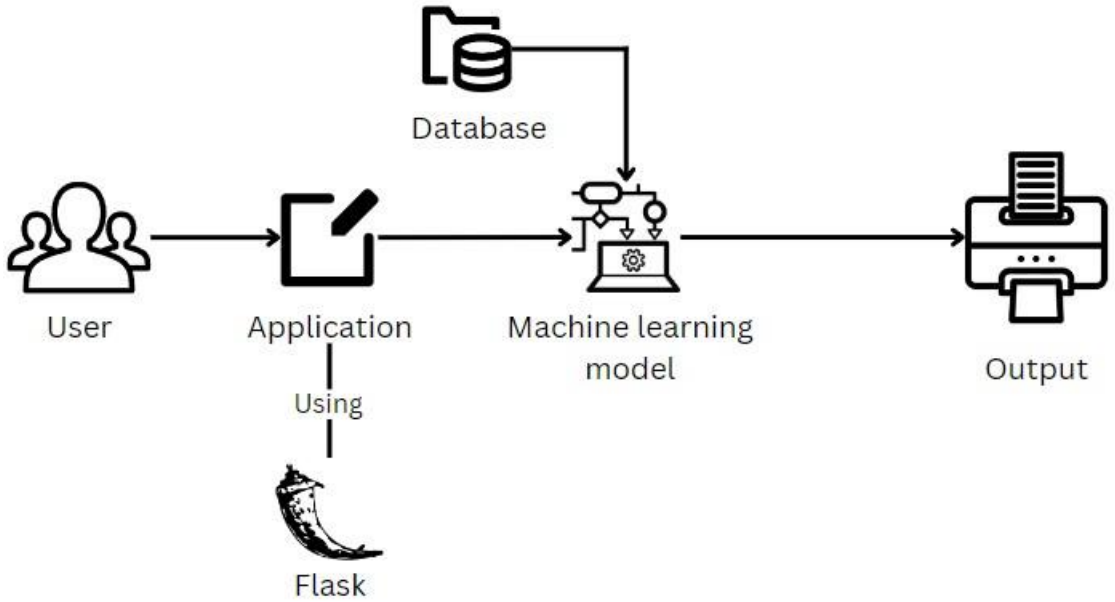
Project Design Phase-II
Data Flow Diagram & User Stories

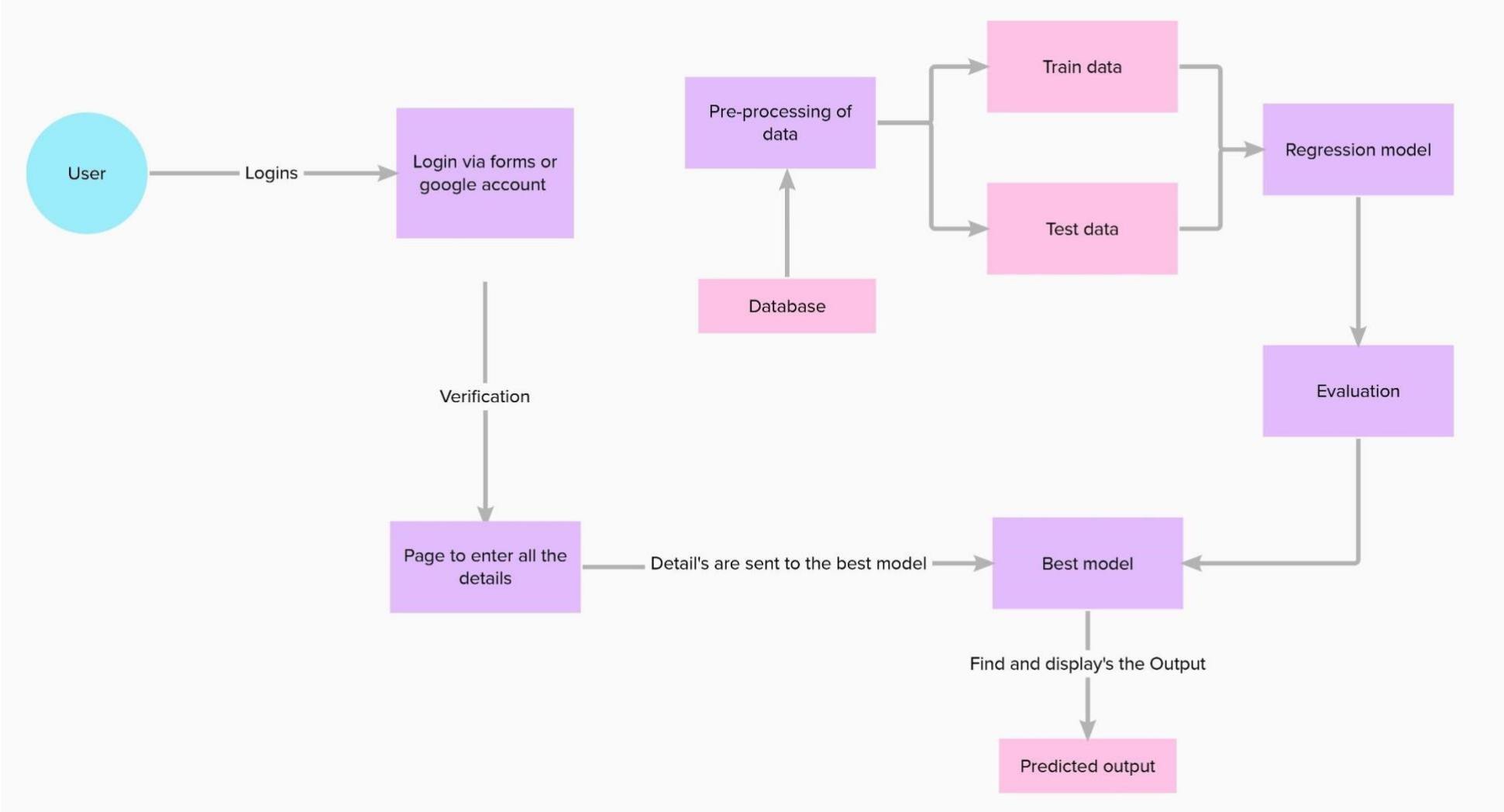
Date	03 October 2022
Team ID	PNT2022TMID11613
Project Name	Project –flight delay Prediction
Maximum Marks	4 Marks

Data Flow Diagram (Simplified)



1. The user login in the website
2. The website is build using Flask framework
3. The database has all the data's and sends that data to the machine leanring model
4. The ML model will evaluate the best model and takes the data given by the user and finds an Output for it.
5. The Machine learning model is built using Python

Data Flow Diagram



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
User (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	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	High	Sprint-1
		USN-3	As a user, I can register for the application through Google	I can register & access the resources with google Login	Low	Sprint-2
	Login	USN-4	As a user, I can log into the application by entering email & password		High	Sprint-1
	Enter the details	USN-5	As a user, I can enter all my car details to predict the output	Gets a confirmation that he has entered the details	High	Sprint -2
Cloud	Verification of user entered data	USN-6	All the details are filled in the prescribed datatype must be ensured	Any deviation will be intimated to the user	Medium	Sprint-2
	Data Pre-Processing	USN-7	The data's from the database must be pre processed before feeding it to the ML mode		High	Sprint-2
	Splitting of data	USN-8	The data must be split into two 1. Train data 2. Test data		High	Sprint-2
	Regression model	USN-9	The data's are feeded into the ML model and output's are verified using the test data		High	Sprint-2
	Evaluation	USN-10	Find the best model to work on		High	Sprint-2
	Predicting the output	USN-11	The user data are feed into the ML model to predict the output	Result's are displayed in the website	High	Sprint-3
User	Report generation	USN-12	A clear report about the car is given to the user in a PDF format	Can be able to download the PDF	Low	Sprint-3
	Decision making	USN-13	Decision whether to buy or sell the car given by the system	Can be able to view this decision with accuracy percentage on this	Low	Sprint-4