Technology Architecture

Date	30 October2022
TeamID	PNT2022TMID03961
ProjectName	Project–University Admit Eligibility Predictor
MaximumMarks	4 Marks

TechnicalArchitecture:

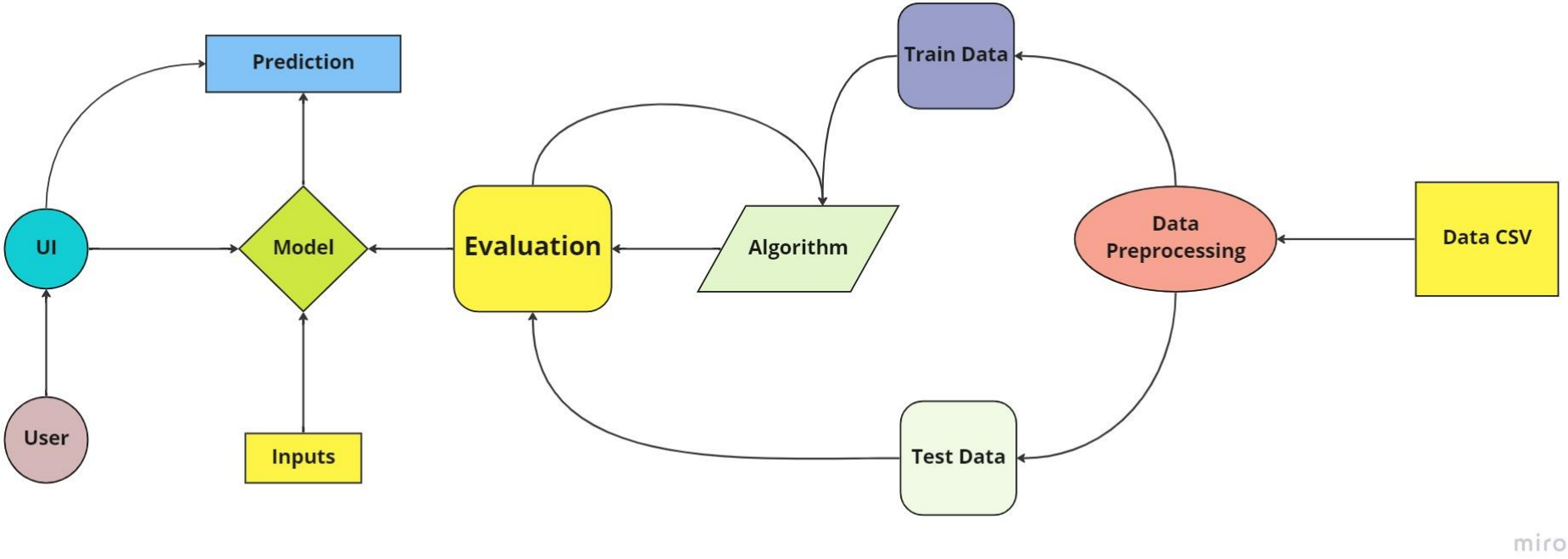

Table-1:Components&Technologies:

S.No	Component	Description	Technology
1	User Interface	The Front-end part of the application	HTML,CSS
2	Application Logic-1	Logic for a process in the application	Python
3	Application Logic-2	Logic for a process in the application	IBM Watson
4	Application Logic-3	Logic for a process in the application	IBM Watson
5	Database	Data type ,Configuration.	IBM cloud
6	Cloud Database	Database services on cloud	IBM DB2,IBM Cloudant,etc.
7	Libraries	Import Libraries into data	Numpy,Pandas,Seaborn,Matplotlib
8	File Storage	File storage requirements	Local File System
9	Machine Learning Model	Purpose of Machine Learning Model	Admission Prediction Model
10	Training and testing data	Purpose of training and testing data	Logistic Regression algorithm
11	Accuracy	Accuracy of the tested and trained data	Root Mean Squared Logarithmic Error(RMSLE),Mean Squared Error(MSE),Statistics.
12	Infrastructure	Cloud Local Server Configuration	Local

Table-2:ApplicationCharacteristics:

S.No	Characteristics	Description	Technologies Used
1	Open-Source Frameworks	The opensource Framework used here is python.	Flask Framework
2	Security Implementations	The user profile has been stored in a secured way in the cloud.	Encryptions
3	Scalable Architecture	Many computations can be done in a time saving and effective way using ML.	Logistic Regression
4	Availability	Our web application is available at anytime and at any place	IBM Balancer
5	Performance	As logistic regression is applied to develop the performance will be more effective	Logistic Regression