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Project Design Phase II
TechnologyStack(Architecture&Stack)

Date	18 October2022
TeamID	PNT2022TMID32852
ProjectName	Project–University Admit Eligibility Predictor
MaximumMarks	4Marks

TechnicalArchitecture:

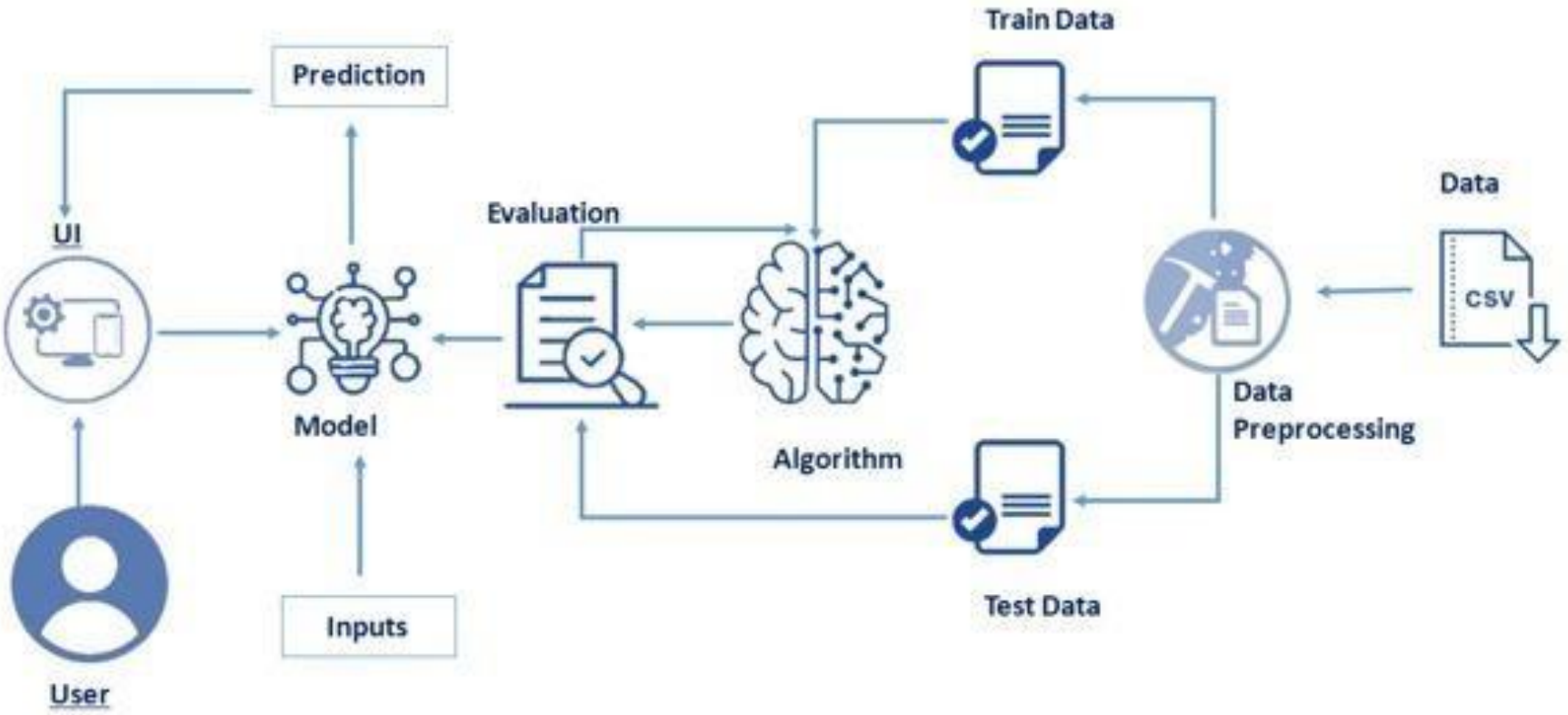

Table-1:Components&Technologies:

S.No	Component	Description	Technology
1	User Interface	The Front-end part of the application where user interacts	HTML,CSS, JavaScript
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 Studio
4	Application Logic-3	Logic for a process in the application	IBM Watson Studio
5	Database	Data type ,Configurations etc	MySQL
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	Logistic Regression, SVM Classifier
10	Training and testing data	Purpose of training and testing data	IBM WATSON,SVM Classifiers
11	Infrastructure	Application Deployment on Local System/Cloud	Local Server Configuration: Local System. Cloud Server Configuration: IBM Watson

Table-2:ApplicationCharacteristics:

S.No	Characteristics	Description	Technologies Used
1	Open-Source Frameworks	List the open-source frameworks used	Flask, Tensor flow, Scikit-learn
2	Security Implementations	List all the security/access controls implemented, use of firewalls etc.	Encryptions, Decryptions
3	Scalable Architecture	Justify the Scalability of architecture(3-tier,Micro-services)	MySQL, Logistic Regression, Apache Spark
4	Availability	Justify the availability of application (eg use of load balancers, Distributed Servers etc)	IBM Load Balancer
5	Performance	Design consideration for the performance of the application (number of request per second ,use of cache) etc.	Tensor flow, Flask