Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	24 October 2022
Team ID	PNT2022TMID49949
Project Name	**Statistical Machine Learning Approaches to Liver Disease Prediction**
Maximum Marks	4 Marks

Technical Architecture:

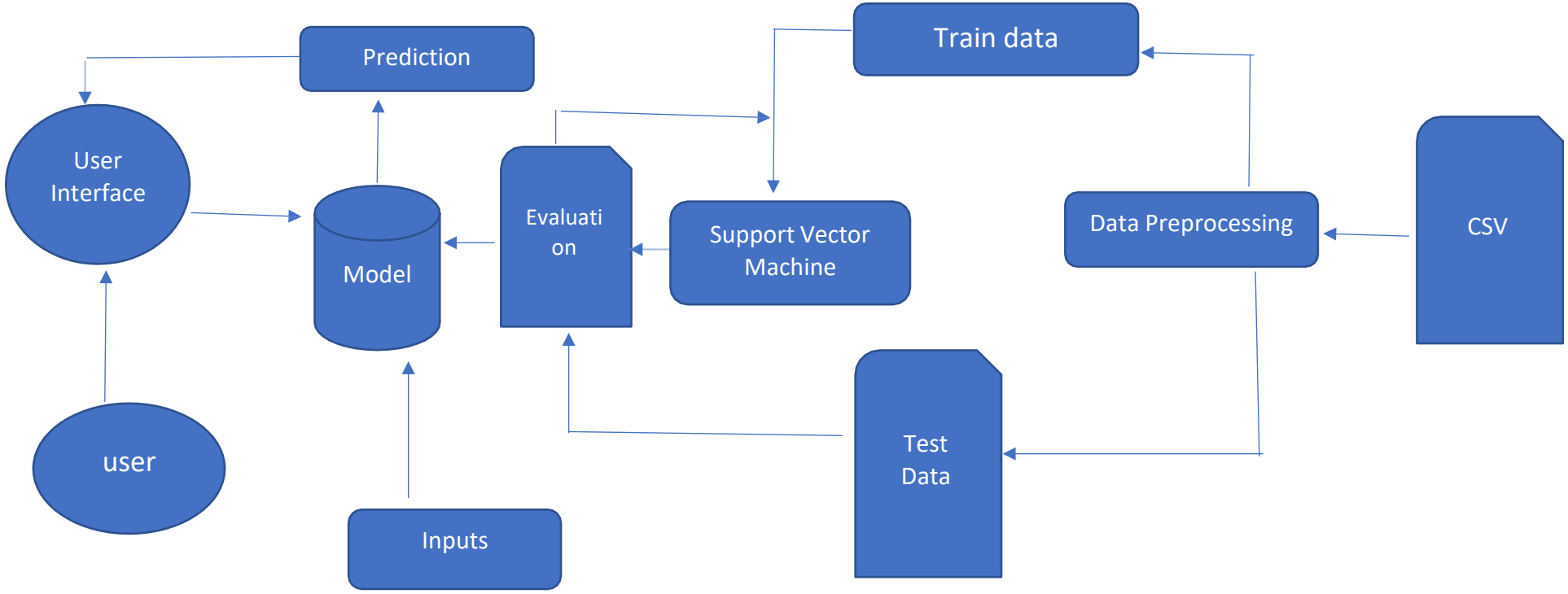

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	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 STT service
4	File Storage	Files are stored in cloud	IBM Block Storage or Other Storage Service or Local Filesystem
5	Machine Learning Model	Prediction of Liver Disease	Support Vector Machine Algorithm
6 .	Infrastructure (Server / Cloud)	IBM Cloud App Configuration is a centralized feature-management and configuration service on IBM Cloud	IBM Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	There are no open-source frameworks in this application.	Technology of Opensource framework
2.	Security Implementations	Block chain technology is used for Security implementation its private framework protects all data..	Block chain
3.	Scalable Architecture	Users are Provided with medical services online	IBM cloud
4.	Availability	Available for everyone , no Restrictions	Technology used
5.	Performance	Predicted Result is more accurate	Support Vector Machine Algorithm

References:

https://c4model.com/

https://developer.ibm.com/patterns/online-order-processing-system-during-pandemic/

https://www.ibm.com/cloud/architecture https://aws.amazon.com/architecture

https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d