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

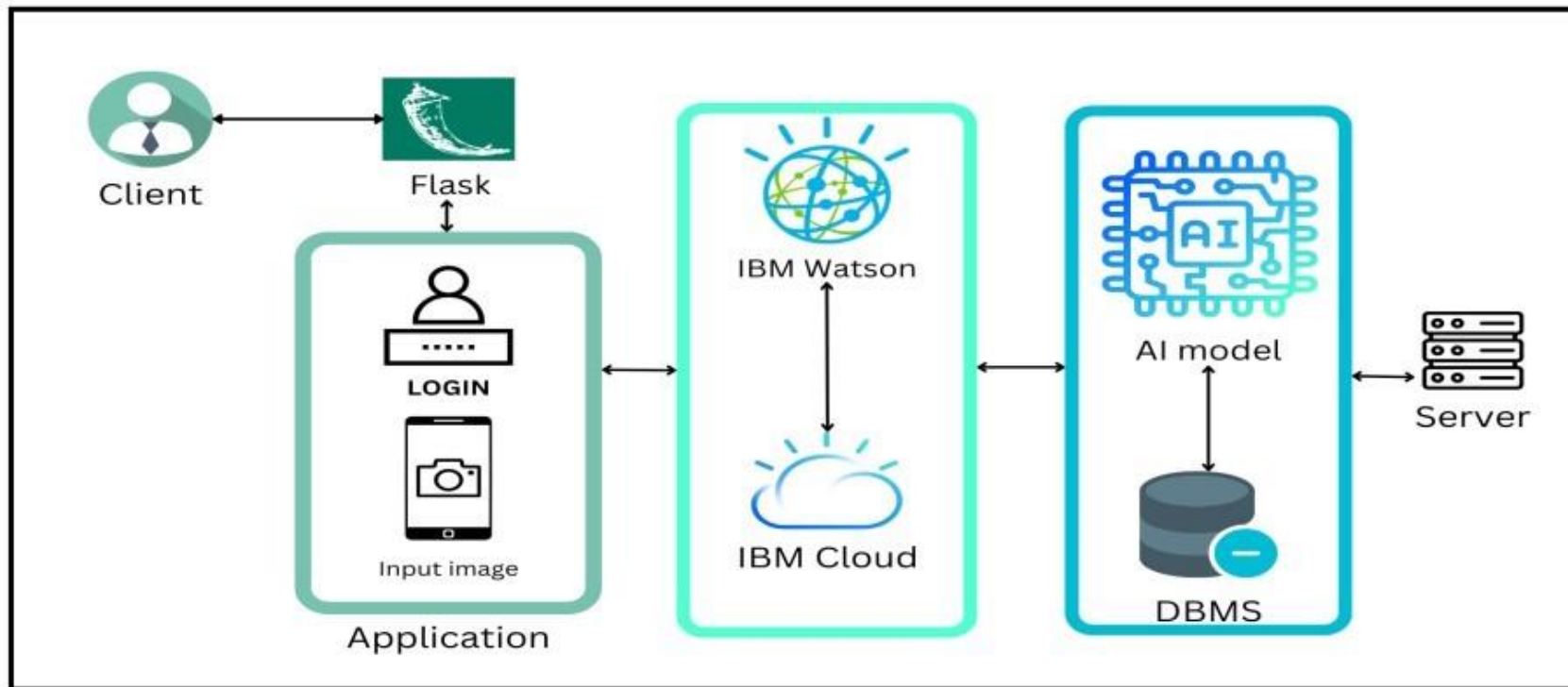| Date	03 October 2022
Team ID	PNT2022TMID52972
Project Name	Intelligent Vehicle Damage Assessment & Cost Estimator for Insurance Companies
Maximum Marks	4 Marks

Technical Architecture:

Table-1: Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	The user interacts with the web UI application.	HTML, CSS, python
2.	Application-Level 1	Getting user input image	Python
3.	Application-Level 2	Getting model output for damage prediction	IBM Watson STT service
4.	Application-Level 3	Getting model output for cost estimation	IBM Watson Assistant
5.	Database	Data Type – Images and user inputs details are stored	MySQL
6.	Cloud Database	Database Service on Cloud	IBM Cloud
7.	External API-2	Purpose of External API used in the application	Aadhar API, etc.
8.	Machine Learning Model	Purpose of the AI Model is for estimating the cost of the damaged vehicle.	Object Recognition Model
9.	Infrastructure (Server / Cloud)	On cloud server we will be deploying the AI Model using flask in the web page	Python flask.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Security Implementations	Java Script	JWT,Bcrypt
2.	Open-Source Frameworks	Flask	Python