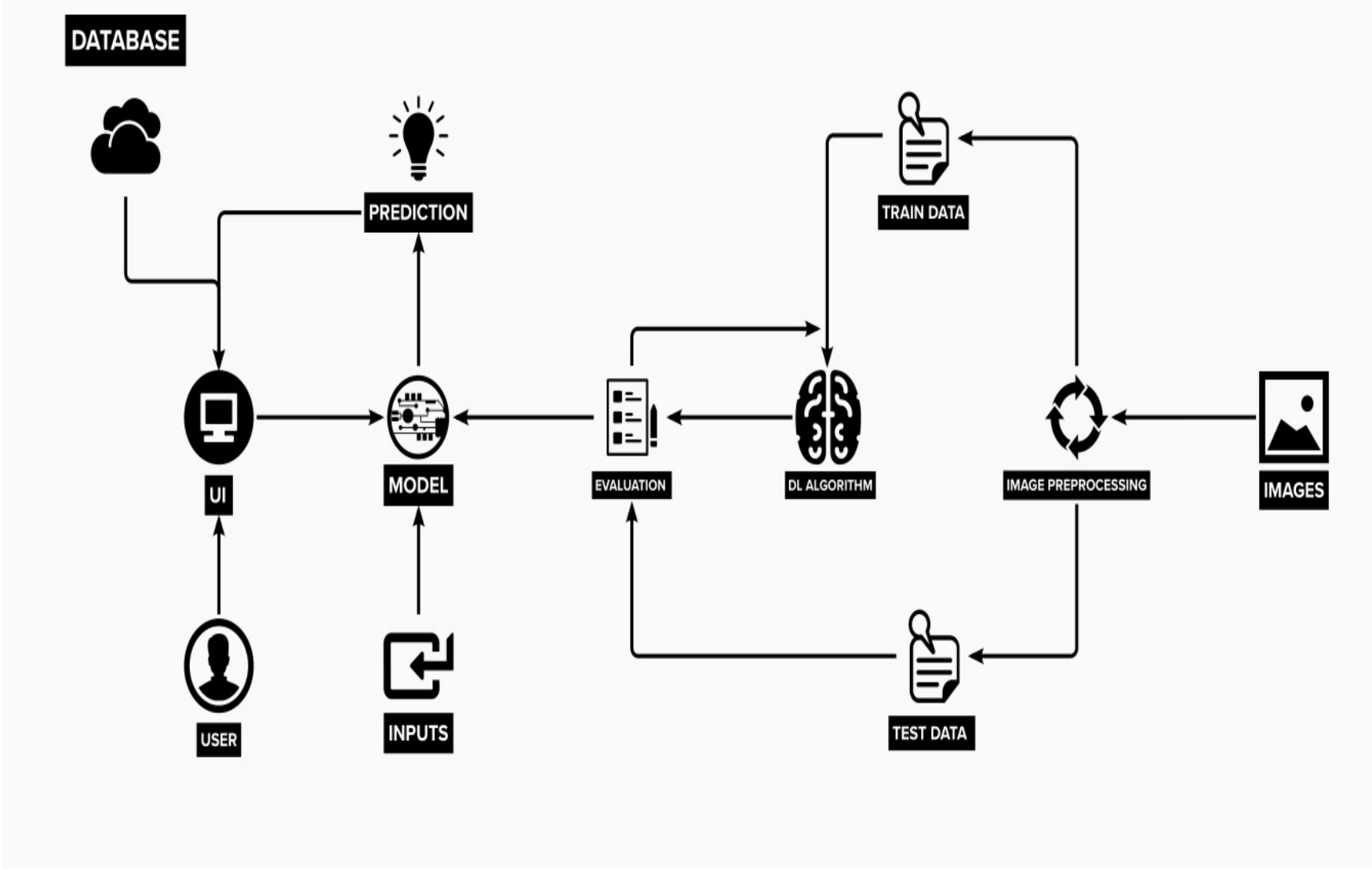
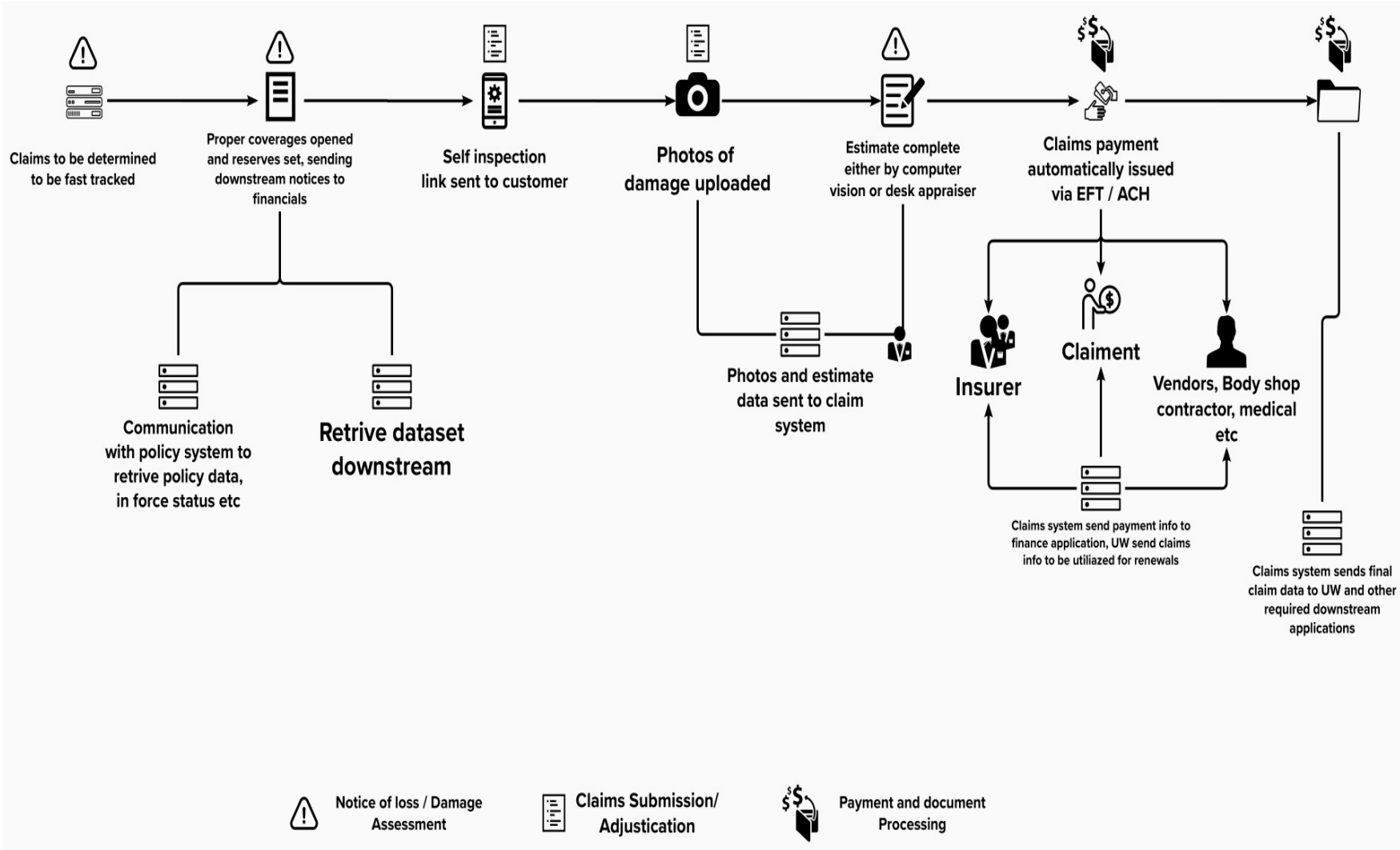
PROJECT DESIGN PHASE II

Technology Architecture

Date	14.10.2022
Team ID	**PNT2022TMID50649**
Project Name	Intelligent Vehicle Damage Assessment and Cost Estimation for insurance Comapnies
Maximum Marks	4 Marks


DATABASE
PREDICTION
TRAIN DATA
UI
MODEL
EVALUATION
DL ALGORITHM
IMAGE PREPROCESSING
IMAGES
USER
INPUTS
TEST DATA


Claims to be determined to be fast tracked
Proper coverages opened and reserves set, sending downstream notices to financials
Self inspection link sent to customer
Photos of damage uploaded
Estimate complete either by computer vision or desk appraiser
Claims payment automatically issued via EFT / ACH
Communication with policy system to retrive policy data, in force status etc
Retrive dataset downstream
Photos and estimate data sent to claim system
Insurer
Claiment
Vendors, Body shop contractor, medical etc
Claims system send payment info to finance application, UW send claims info to be utiliazed for renewals
Claims system sends final claim data to UW and other required downstream applications
Notice of loss / Damage Assessment
Claims Submission/ Adjustication
Payment and document Processing

Components and Technologies

S.No	Component	Description	Technology
1	User Interface	How user intract with application. Example Mobile Applications	HTML, CSS, JavaScript
2	Application Logic 1	Logic for a process in the Applcation	Python
3	Application Logic 2	Logic for a process in the Applcation	IBM Watson STT Service
4	Application Logic 3	Logic for a process in the Applcation	IBM Watson Assisstant
5	Database	Data type configuration data etc	My SQL, Deep learning
6	Cloud Database	Database service on AI	IBM cloudant DB
7	File Storage	File Storage is more	IBM Block storage or other storage service or Local File system
8	AI Model	Purpose of AI Model is for estimating the cost of the damaged vehicle	IBM AI Platform
9	Infrastructure (Server / Cloud)	Application Deployment on local system / Cloud local server configuration / Cloud Server configuration	Cloud Foundary etc