Project Design Phase-II
Data Flow Diagram & User Stories

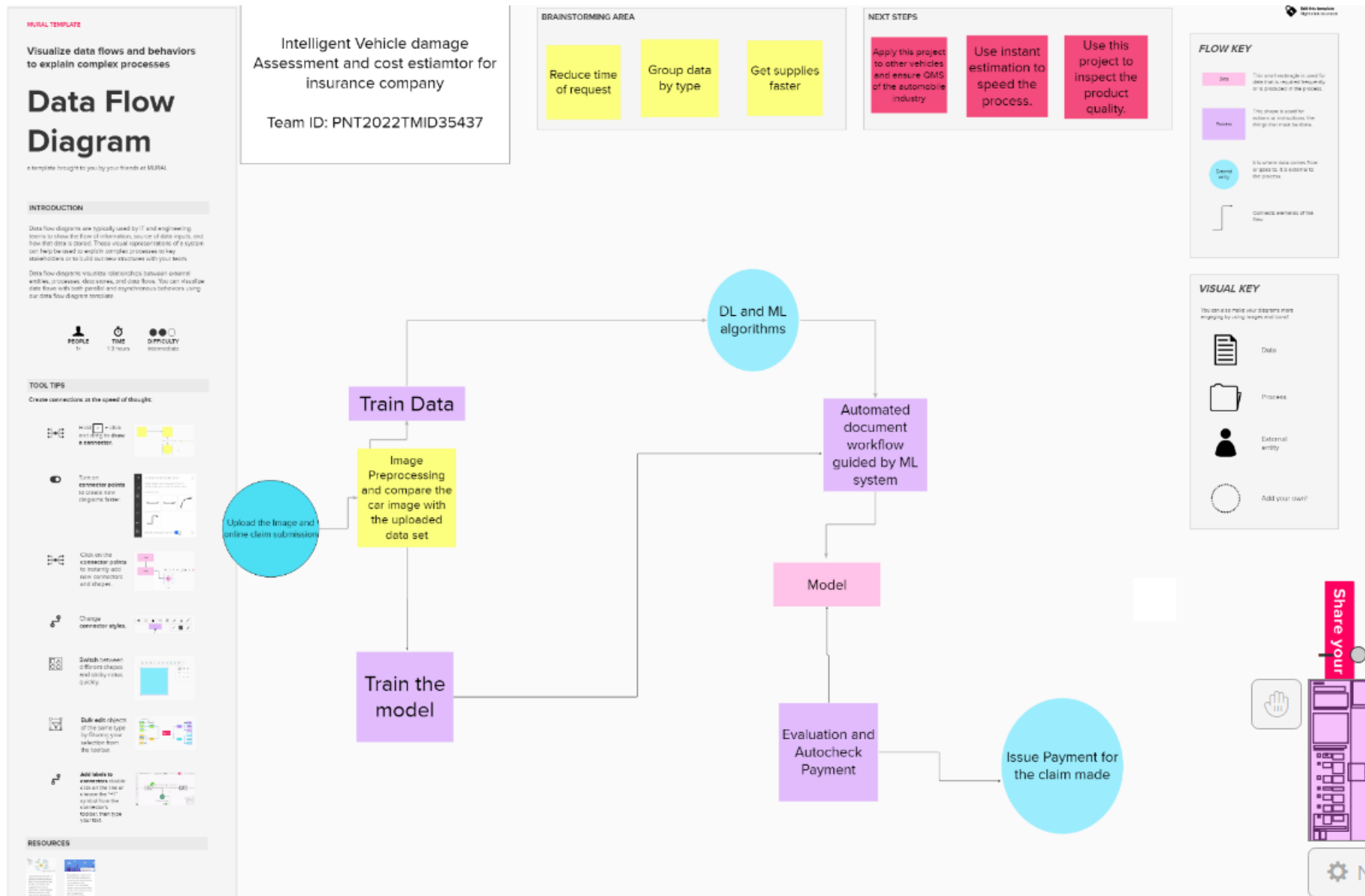| Date	15 October 2022
Team ID	PNT2022TMID35437
Project Name	Project – Intelligent Vehicle Assessment and cost estimator for insurance company
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Intelligent vehicle assessment is used to reduce the time for claiming insurance.

1.A system and method are provided for automatically estimating a repair cost for a vehicle.

2.This method includes:

- receiving, at a server computing device over an electronic network, one or more images of a damaged vehicle from a client computing device;
- performing image processing operations on each of the one or more images to detect external damage to a first set of parts of the vehicle.
- inferring internal damage to a second set of parts of the vehicle based on the detected external damage.
- calculating an estimated repair cost for the vehicle based on the detected external damage and inferred internal damage based on accessing a parts database that includes repair and labour costs for each part in the first and second sets of parts.

Data Flow Diagram

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Intelligent Vehicle damage Assessment and cost estiamtor for insurance company

Team ID: PNT2022TMID35437

BRAINSTORMING AREA

- Reduce time of request
- Group data by type
- Get supplies faster

NEXT STEPS

- Apply this project to other vehicles and ensure QMS of the automobile industry
- Use instant estimation to speed the process.
- Use this project to inspect the product quality.

FLOW KEY

VISUAL KEY

You can also make your diagrams more engaging by using images and icons!

- Data
- Process
- External entity
- Add your own!

Diagram

- DL and ML algorithms
- Train Data
- Image Preprocessing and compare the car image with the uploaded data set
- Upload the Image and online claim submission
- Automated document workflow guided by ML system
- Model
- Train the model
- Evaluation and Autocheck Payment
- Issue Payment for the claim made

Share your

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Insurance Company)	Login	USN-1	As a user, I can check the process happening in discipline manner without any issues.	I can access my account / dashboard	High	Sprint-1
Admin	Login	USN-2	As a admin, I can give user id and password for customer who have claimed insurance and manage them.	I can receive confirmation email & click confirm	High	Sprint-1
Customer who claims insurance	Registration	USN-3	As a user, I can register for the application by entering my email, password, and confirming my password, receive confirmation email and upload the image of damage car.	I can register & access the dashboard with Facebook Login	Low	Sprint-2
Bank	Login	USN-4	As a bank user I can credit the money for the person who has claimed insurance.		Medium	Sprint-2
Car Company	Login	USN-5	As a user, I can help insurance company to replace the damaged parts of the car.		High	Sprint-2