Project Title: Intelligent Vehicle Damage Assessment and Cost Estimator for Insurance Companies

Project Design Phase-I - Solution Fit

Team ID: PNT2022TMID22103

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) `CS`

- The accidents would not be particularly serious, but the automobile would be damaged, prompting people to file insurance claims.

6. CUSTOMER CONSTRAINTS `CC`

- The customer should provide exact details in order to know the particular amount and also to generate the damage assessment report.

5. AVAILABLE SOLUTIONS `AS`

- It can categorize the proportion of damaged parts and determine whether they need to be replaced or repaired.
- It aids the user in expediting the process of filing an insurance claim for his/her vehicle.
- Get a report with the vehicle's damage analysis created for his/her car.

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS `J&P`

- Initially the customer has to create an account.
- The customer should provide exact details in order to know the particular amount and also to generate the damage assessment report.

9. PROBLEM ROOT CAUSE `RC`

- This kind of web application cannot be found among people as many of the applications are not trust worthy.
- It is feasible to claim the insurance efficiently.

7. BEHAVIOUR `BE`

- It can identify damage to all passenger cars. Damage range includes exterior parts, while environment range encompasses rain, snow, dark, bright light, etc.

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM
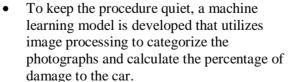
3. TRIGGERS `TR`

- The accident party, the long waiting time at the accident site, the slow payment process, the unreasonable fixed price and other issues, to a certain extent, reduce customer satisfaction with the insurance company

4. EMOTIONS: BEFORE / AFTER `EM`

- ✓ BEFORE: Whether this process will get the exact and accurate amount of the insurance.
- ✓ AFTER: Car damage is automatically identified and classified using advanced picture analysis and pattern recognition technology, faster than the manual approach.

10. YOUR SOLUTION `SL`

- To keep the procedure quiet, a machine learning model is developed that utilizes image processing to categorize the photographs and calculate the percentage of damage to the car.
- Analyze the damage in a fraction of the time it takes people and with minimal human interaction.

8. CHANNELS of BEHAVIOUR `CH`

Online:
- Security is not Authenticated.
- There might be steal users 's personal information or contain adds

Offline:
- A business can hire employees to maintain the system logs as the business grows.

Identify strong TR & EM