**User Stories**

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| **User Story 1**  As a manager,  I need an intuitive application with a user interface so that I can visualize, analyse, and compare cab-driving data such as the telematics data on trip safety and make informed decisions.  Acceptance Criteria:   1. UI should be clean, intuitive, and easy to navigate. 2. UI should be interactive and able to provide real time visualisation. 3. Safety metrics must be relevant for the analysis of trip safety. 4. Real time alerts for unsafe driving behaviour   Confirmation   1. Acceleration distribution can be seen in the dashboard. 2. Speed base of each driver can be seen. 3. Info is well readable by the user. 4. Able to seamlessly identify dangerous trips. |

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| **User Story 2**  As a cab driver,  I want to have a personalized dashboard where I can view statistics such as my driving ratings and safe driving so that it improves the passenger's experience.  Acceptance Criteria:   1. The dashboard should be updated in a timely manner. 2. Must be able to maintain privacy support to prevent data leakage. 3. Drivers can customize the dashboard and should have a user-friendly interface.   Confirmation   1. Drop down menu provided for different options. 2. All the information which appears in dataset can be found in dashboard.   3. The dashboard should be interactive and have user-friendly interface (added colour style) |

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| **User Story 3**  As an administrator,  I want to be able to ensure an efficient access to data related to driver’s performance and safety metrics, so that business analyst can effectively monitor safety and identify trends.  Acceptance Criteria:   1. Ensure high availability of data. 2. Efficient access to database. 3. Able to support customisation.   Confirmation   1. Database contains safety metrics such as safety labels with other information such as speed. 2. Databases are well designed with proper primary key and foreign key |

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| **User Story 4**  As a manager,  I want to be able to do a comparison between different car age group and car makes so that I can compare between different car age group in visualisation to spot patterns of dangerous driving habits.  Acceptance Criteria:   1. User friendly UI 2. Able to perform driver selection for deeper analysis. 3. Anomaly detection 4. Able to provide historical trends for analysis.   Confirmation   1. User friendly interface for seamless user interaction 2. Ability to see the car age group with respect to normal and dangerous |

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| **User Story 5**  As a manager,  I want to create a model that can predict the safety and unsafety of a trip so that it is able to notify the driver to beware and be more cautious when driving.  Acceptance Criteria:   1. The accuracy of prediction should be high. 2. It should be able to provide real time prediction for trip safety 3. The model should consider wide range of relevant data that contribute to travel. |

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| **User Story 6**  As a cab driver,  I want a model that can predict the safety and unsafety of a trip so that I as the driver to beware and be more cautious when driving.  Acceptance Criteria:   1. The accuracy of prediction should be high. 2. It should be able to provide real time prediction for trip safety 3. The model should consider wide range of relevant data that contribute to travel |