DXC Vehicle maintainance

18/11/2019

## Project Background and Description

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|  | The DXC Vehicle maintenance website aims to improve efficiency and performance of the vehicle by providing an organized dashboard that lets the driver see the details of all the readings of the vehicle. If any oh the parts of the vehicle are in a critical condition, then the website gives an option to the driver to schedule a maintenance service from the bus company automatically or manually based on the choice of the driver and then sends the information to the admin where the data is processed and required action is taken  This app looks to improve the efficiency of the transport system in DXC by keeping the vehicles in top condition, which in turn helps DXC maintain the reputation of always delivering deliverables on time. |

## Project Scope

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|  | Project Scope is to implement this website to our DXC shuttle service, so that our busses stay in good condition and avoid breakdowns in critical conditions where deliverables are expected to be on time from the employees using the bus. |

## High-Level Requirements

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|  | The new system must include the following:   * Interactive Website * Updates from driver about the vehicles condition to the website and the maintenance team processes the information * Triggered mail/texts on updates or reminders |

## Technologies Used

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|  | The website will use the following Technologies   * React Js * MongoDB * Spring-Boot * Third Party APIs |

## Deliverables

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|  | The new system must include the following:   * Driver login details and registration. * Pages with step by step navigation to walk through the registration process. * Creating dashboard for tracking the information and sending alert to the admin when mileage hits a set distance. * Step by step navigation for entering the details about the vehicle condition (ex – oil, air pressure of tires, brakes). * Calendar which gets updated when appointment is scheduled. * Text or mail alerts for upcoming tasks and alerts if the maintenance log is not updated. |
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## Affected Parties

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|  | The bus company and the company using the vehicle both will benefit from the usage of this app. |