

ABSTRACT

Logistics service providers face many challenges in managing their vehicle fleets efficiently, including unplanned breakdowns, suboptimal maintenance schedules, and difficulties in coordinating with various stakeholders. Without a system, maintenance staff or fleet managers typically manage fleet maintenance manually. Information regarding vehicle maintenance, such as maintenance schedules, repair records, and service history, is manually recorded in books or worksheets. The development of the Vehicle Maintenance System employs Agile methods and also uses Scrum as its working framework. In the testing phase, the Vehicle Maintenance System uses white box testing to test the functions within the application.

Keywords: Vehicle Maintenance System, Agile, Scrum, White Box.