

Software Package for Issuing and Analyzing Traffic Spot Fines

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Abstract

This project is focused on creating software package for which will reduce the time of current traffic spot fine issuing and payment process by providing software package for police officers and post officers, do their current process with less time period and to reduce the time wastage of the offender. The main concept of this technology is to use a mobile phone for police man instead of a traditional walky-talky. The android mobile application is able to insert the offence information done by the driver as the input of the system. Web application can access the database and using that offender can pay the fine. This will effectively reduce the usage of time and resources in the phases of, issuing, paying, analyze traffic fine records, maintenance records.

Sun java SDK 1.6, Wamp Server 2.1, NetBeans IDE 7.0, Zend Studio 8.0, Eclipse Indigo IDE 7.0, Android SDK, Jasper reports library 3.7, JFreecharts library 1.0.12 and Hibernate ORM tool

- Driver's offence information transfer to the database through a web service mobile phone, which has android operating system.
- Through the web application drivers can pay the fine. The web site access only allowed for post offices.
- Using the java application analyze the server database data records

Using this tool;

- Issue traffic spot fine to the offender; insert the offence records to the database through the android mobile application.
- Pay issued traffic spot fines; by updating the records of the database by using the web application
- Able to analyze traffic law violations records using Java application and generate the reports which required to the user.
- Able to manage the traffic fine information, police station information and user accounts.

Traffic spot fine issuing and analyzing software package is effectively support for current traffic spot fine issuing process. It helps to facilitate all these activities in levying fines and analyzes and scrutinizes the records