

Cloud Based Web Application Supporting Vehicle Toll Payment System

ABSTRACT:

The requirements for new web applications supporting different types of devices and purposes are continuously growing. The main advantages of web application development as well as popular development features covering integration with different technologies are considered initially in this paper. Integration and possibilities of application of cloud based web applications in real scenarios with different embedded Internet of Things (IoT) devices are considered and described in this paper. The design and implementation of a cloud based web application supporting vehicle toll payment system using IoT device is presented and described. The development framework as well as featured and popular technologies used to realize a vehicle toll payment by IoT device are described. The concept of vehicle toll payment over an online payment system is also described. Processing, monitoring and control in the cloud based web application of such payments using IoT devices are described and presented.

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