

Open Source Driver Application for Logistics Company

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ABSTRACT

An Application Which is Developed as Open Source For the Society of Daily wage Heavy Vehicle Drivers to provide a Temporary Role in a company/Organization where all the Drivers that are Given Full Time Designation are unavailable .This Application helps the Minimum wage or Daily wage Heavy Vehicle Drivers to Get updates in need of them. Logistics Company works mainly on the Operation Division which is Delivering of goods from Source to Destination. This helps the organization in the need of Temporary Heavy vehicle Drivers.

Keywords : Open Source, Logistics, Daily Wage, Heavy Vehicle Drivers

I. INTRODUCTION

Each driver has unique goal of getting goods and transporting them from one location to another location. The drivers having lot of investment on the trucks if he don't have work even for one or two days he has to face a lot of financial issues , if he consult any consultancy he need to pay some amount them then he will be less profited, to avoid that this app will helps them a lot.

This app allows drivers to post their availability for transportation instead of having 3rd party people like consultancy services. Based on their availability the management will contact the driver to validate he is a valid driver or not, to transport the goods based on his CDL (Commercial Driving License) and RC (Registration Certificate) book. If the driver having all the valid papers then the management will provide the goods information to the driver.

II. METHODS AND MATERIAL

A mobile app to the truck driver for goods transportation from one place to another. While logging in the driver has to provide availability dates i.e. in which date, he can available to transport the goods if he is a registered user, if he is not? Then he needs to register first then he has to login.

After login it shows the home page with two different tabs with past and present rides list. After that he has to select the ride from the list of rides that are available. After that the management will contact the driver through the phone call to verify the license and other required credentials.

Let us see the basic Workflow of the Application for a new user who have registered:



So the user working as a Daily wage Heavy Vehicle Driver is registering in the application then the registration details go and hits the database of the organization, then the staff designated to the duty to verify the driver details and verify them as a verified user. The registered user gets a notification via Text message or through the app that their details have been verified and the user enter the credentials logins into the application. The organization communicates them if they have any temporary jobs or their drivers are busy in other duties

Software Requirements: Ionic Framework using Angular, Java Spring boot, JDK 8, NodeJS, Android SDK, MySQL workbench

Hardware Requirements: Android v4.4 (& above) Mobile Device

III.CONCLUSION

This Driver app eliminates any discussion between a Broker who looks into a company for vacancies and gets some amount from the drivers if they are employed through him so the main thing is to eliminate this process. This saves the time for recruiting as the Drivers who are looking for the daily job registers in the application. This helps the organization by saving time for recruiting the driver as they have the databases of drivers.

IV. REFERENCES

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