

Integration of Towing Abandoned Vehicles with Number Plate Recognition

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Abstract: Traffic Police Tow/Carry abandoned vehicles without notifying vehicle owner. Owner gets panic when he came to know after a long time. Even Towing people don't give exact info. what which police station the owner should contact. Towing contractors demand huge amount to free vehicle. Some time the vehicle gets damage due to improper handling. Basically, owner has no problem if its abandoned vehicle is getting carry by traffic police, but he/she wanted a notification of same. So, there is a need of such a system which can help Vehicle owner, Traffic police and Towing Contractor to solve all types of problems.

Keywords: Android Phone, camera, number plate, server, towing agents.

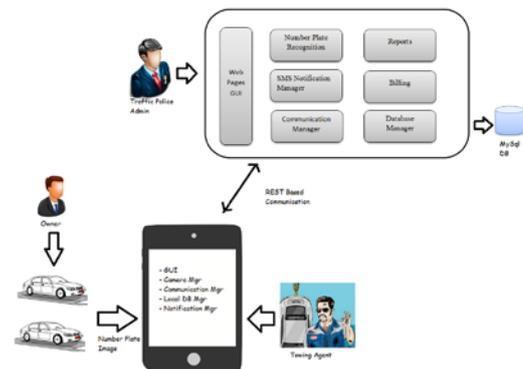
1. Introduction

If we park our vehicle in non parking area, traffic police will tow our vehicle. Traffic Police Tow/Carry abandoned vehicles without notifying vehicle owner. Owner gets panic when he come to know after a long time. Even Towing people don't give exact info what which police station the owner should contact. This is because; the traffic police cannot tow/carry any vehicle without a written order (Panchnama) from the traffic constable. So, there is a need of such a system which can help Vehicle owner, Traffic police and Towing Contractor to solve all types of problems.

2. Material and Methods – Algorithm –

1. Image Capture and Pre-processing
2. Plate region extraction.
3. Segmentation of character in the extracted number plate
4. Comparison with database.

3. Architecture

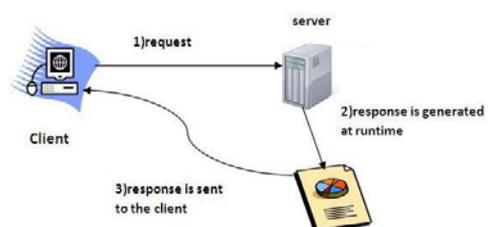


(Figure 1)

4. Implementation

1. Servlet & JSP-

Servlet can be described in many ways, depending on the context. Servlet is a technology i.e. used to create web application. Servlet is an API that provides many interfaces and classes including documentations. Servlet is an interface that must be implemented for creating any servlet. Servlet is a class that extends the capabilities of the servers and responds to the incoming request. It can respond to any type of requests. Servlet is a web component that is deployed on the server to create dynamic web page.



(Figure 2)

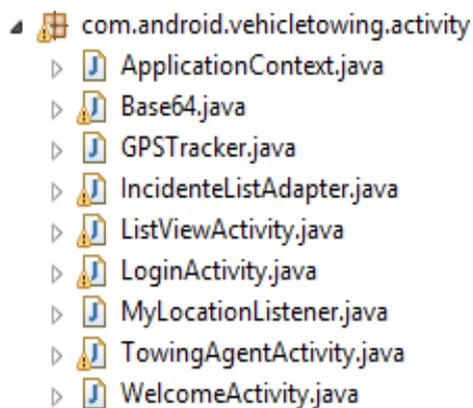
2. How servlet works?

When we run our project there are many web pages like index, home, login, registration etc. But how would server know which is the first file to run. When we run our project the first file is web.xml. In that we mention in welcome list file which is the first page to run.

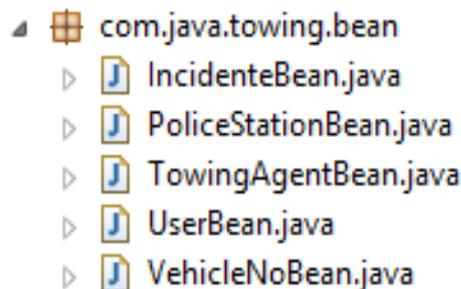
3. Our jsp pages

1. index.jsp
2. admin.jsp
3. registration.jsp
4. login.jsp
5. logout.jsp
6. police_station_add.jsp

4. Client Side Packages-



5. Server Side Packages-



5. CONCLUSION

We are trying to achieve number plate recognition system for corruption avoiding using android system application. We are trying to solve the problem of number plate recognition algorithm and NP complete problem of number plate

recognition through algorithm. Using this application it helps to find the victim vehicle and avoid panic situations.

6. References

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