SPLIT SCREEN APPLICATION FOR COURIER SHIPMENTS

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Abstract: This project is aimed at developing an online data entry system that will enable image assisted data entry for the shipment for the courier logistics. The image if available will be displayed on the right side of the screen when a tracking number is entered. In this project we are developing an application that will allow the supervisors to enter the data for the courier shipment along with an image of it if provided by a customer and also a customer to have a prior idea of the parcel or courier that he/she is going to receive.
Keywords: Pickup, Track Order, Courier shipment, splitscreen.

I. INTRODUCTION

The project to be developed is a web based application which is called Splits screen application for the courier shipment which aims to develop an online data entry system that will enable image assisted data entry for the shipment of the courier logistics and messaging service that will have order number of the parcel sent to both the sender and the recipient. The system will have authorized users with different privileges i.e a supervisor who handles the bookings with a tracking number being auto generated and an admin who creates and provides access to the supervisors. The customers can track their shipments through this application.

II. RELATED WORK

A. Purpose of the document

This paper is the Software Requirement Specification (SRS) for the Splitsscreen application for courier shipment.. The purpose of this paper is to describe the functionality, requirements and general interface of our project.

B. Scope for development of this paper

The splits screen application for courier shipment can be used to deploy for the courier shipments within a state or for a group of states.

C. Main Modules of the system.

- Admin: In this module admin will login and Register new supervisors, Update the existing ones information, View the supervisors transactions. The admin can also view the bookings done by the supervisors.
- Supervisor: In this module a supervisor logs in and can view the transactions i.e bookings, Received parcels and Commission and also will be able to book a parcel or courier. After successful completion of the booking a SMS with the order number of the shipment will be sent to both the sender and the receipent.
- Customer: In this module a customer will be able to track the parcel status and also can request the supervisor to pick his parcel from home.

D. Existing System

The existing online application for a courier shipment enables the entry of the details only in the form of a text. The receipt is given to the sender on completing the formalities with a tracking number printed on it.

Limitations of the existing system:

- Existing system doesn't support imaging system.
- Tracking is difficult if the sender looses the receipt.
- Receiver cannot track the shipment.

E. Proposed System

The proposed system is a website which is related to internet browsing. The proposed system overcomes the demerits of existing system. The system enables multiple access to the system, request for parcel booking simultaneously and also allows customers to track their shipments. Also, the messaging service to send the order number of the shipment to both sender and receiver gives better and satisfied results.

III. REQUIREMENTS AND SPECIFIACTIONS

A. Functional Requirements

- A user can login.
- The login and password are verified and authenticated.
- Admin can add, edit, delete or update the details of Supervisors
- Customers can track their orders.
- Admin can view the supervisors details including the number of parcels he books and the commission earned.

B. Non-Functional Requirements

Reliability:

The capability to maintain the specified level of performance is called reliability.

This application is a web based application that runs on any device that has a browser and it provides consistent results.

Security:

Unauthorized access to the system and its data is not allowed due to the authentication process thus saving it from database corruption or any illegal access of the data.

Portability:

Portability is the ability of the system or application that can run in various environments. As the web application is based on the java language, the application is portable.

Availability:
The application will run if and only if it has the internet connection

C. Minimum Hardware Requirements
A PC with Processor-Pentium-3 ,Speed-1.1 GHz
RAM :2GB
Hard Disk :4GB free space

D. Software Requirements

- Operating System :Windows XP/7/8/10
- Database :MYSQL
- Database connectivity :JDBC
- Server :Apache Tomcat 5/6
- IDE :Eclipse
- Scripting :Java, HTML, JSP
- Server Side :JavaScript
- Java Version :JDK 1.6

IV. SYSTEM DESIGN

A. USECASE DIAGRAM
Admin:

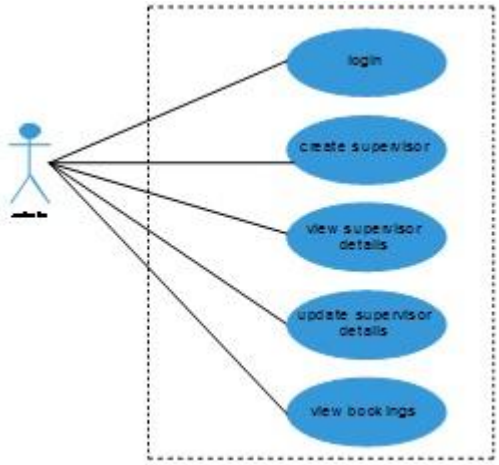

Figure 3.1 use case diagram of admin.

Supervisor:

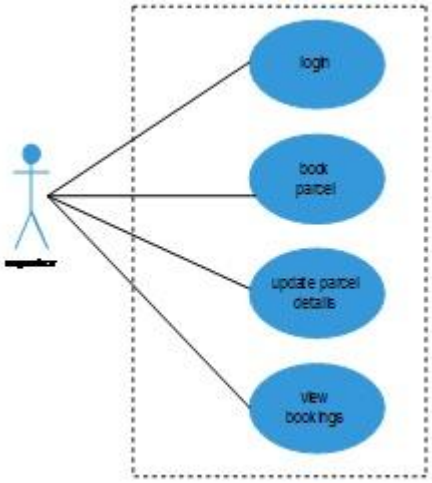

Figure 3.2 use case diagram of Supervisor.

Customer:

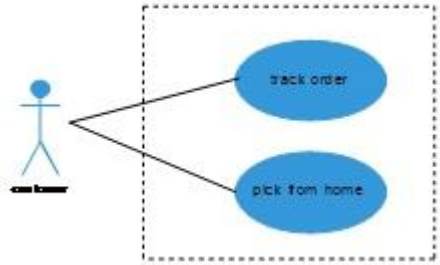

Figure 3.3 use case diagram of Customer.

ACTIVITY DIAGRAM

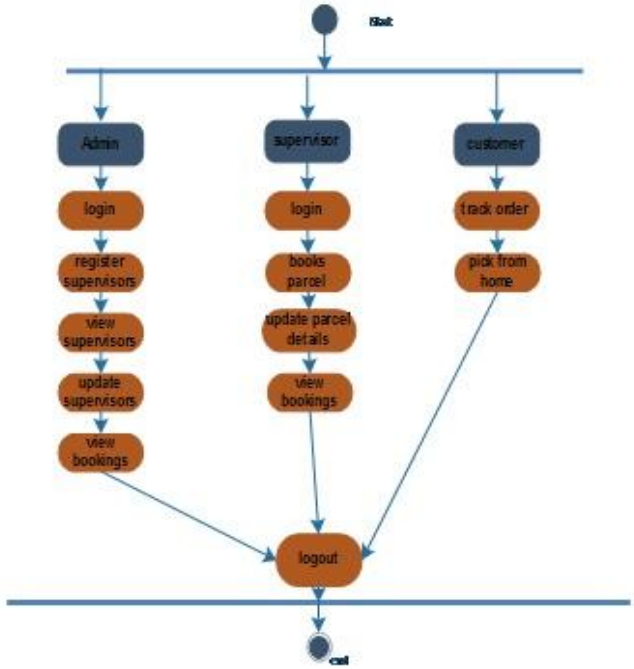

Figure 3.4 Activity diagram

FUTURE SCOPE

- Online Chat
- Overseas Service
- Pickup Request On chat
- Expanded geographical research
- Available 24/7/365 Never close

V. CONCLUSION

This project proposes the web based online system which is an enhanced application for the courier shipments with image assisted data entry and messaging service. This web based application can further be implemented as a mobile app which can be accessed by the customers to track their courier. This system is more secure as it is developed on java platform.

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