**Courier Management System**

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1. **Introduction**
   1. **Purpose**

This document describes the software requirements for the COURIER MANAGEMENT SYSTEM. It describes the functional and non-functional requirements, requirements, performance, design, functionalities, diagrams, hardware and software requirement of the system.

* 1. **Scope**

This project Courier Management System aims at implementing a system that would manage the essential activities of any courier company and to maintain their details systematically. It is not easy to do this process manually because it would become very hectic. So, it is suggested to automate the process by developing the relevant software as the world is moving from manual working to a technology era where automation becomes important. The main purpose of this system is to connect all branches to the central database so that everywhere information is the same.

* 1. **Objective**

The objective of the project is to deliver an efficient Courier Management System whose main functionality would be managing consignments, generating next transit location and it would provide an interface to customers for tracking their consignment.

* 1. **Reference**
* Wikipedia on SRS<https://en.wikipedia.org/wiki/Software_requirements_specification>

1. **General Description**
   1. **Product Perspective**

The Courier Management System provides a platform to the company to efficiently manage consignment details and transit and it also provides customers an interface to track their consignment.

* 1. **Product Function**

The project aims at developing interactive software-based system that would automate the essential processes of Courier Management System.

The Software would have the following Modules:

* Branch Login Module
* Employee Login Module
* Consignment Booking Module
* Consignment Receive Module
* Consignment Transit Module
* Consignment Deliver Module
* Manage Employee Module
* Employee Consignment Deliver Module
* Consignment Tracking Module
  1. **User Characteristics**

There are three users in this system:

* Branch Administrator
* Employee
* Customer

1. **Specific Requirements**
   1. **Functional Requirements**

* The software must allow input of products data from Administrator and Securely access from the database.
* The Software must request username and password for access to the system, only after authenticating to the system.
* The Software must require error correction and input validation.
* The Software must identify the Consignment & Employee by a unique identifier.
* The Software to be developed must operate without interruption twenty-four hours.
* The Software to be developed should display the correct time of day.
  1. **Non-Functional Requirements**
* The Software interface must follow design conventions which allows user easy to use.
* Input errors will be returned in red with appropriate alert box.
* The Software should work smoothly without any problem or errors.
* System should automatically take periodic backup.
  1. **Performance Requirements**

* The software should be able to support simultaneous users.
* 95% of the transactions shall be processed in less than one second.
* Data should be secured and backed up on a periodical basis.
* Power supply should have a backup and a disaster recovery plan.
* System should be operable 24 hours and accessible in real-time.

1. **Interface Requirements**
   1. **Software Interface**

* Compatible Internet Browser
* HTML, CSS, Bootstrap
* JAVA SDK
* Glassfish Server
* MySQL
  1. **Hardware Interface**
* Intel or AMD 1GHz Processor
* 512 MB RAM
* 2 GB Hard Drive Space
* Internet with avg. speed of 2mbps