Newspaper Agency Automation System

Software Requirements Specification Document

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TABLE OF CONTENTS

Introduction

Purpose:

- The purpose of this document is to describe the requirements for the Newspaper Agency Automation System (NPAAS).
- The intended audience includes all stakeholders in the potential system. These include, but are not necessarily limited to, the following:
- Newspaper Manager
- NewsPaper Agent
- NewsPaper Deliverer
- Newspaper Customer

Scope:

- The proposed software product is the Newspaper Delivery System.

- The system will be used to manage the delivery of newspapers and magazines in some districts of Andhra Pradesh.

- The intentions of the system are to integrate the management of delivering in some districts of Andra Pradesh and make the delivery more accurately.

- Requirements statements in this document are both functional and non-functional.

Definitions, Acronyms, and Abbreviations:

- NPASS- Newspaper Agency Automation System
- Newsagent - a store or shop that selling newspapers and magazines
- Agent - administrative staff that work at reception desk
- News deliverer - a person who delivers newspapers
- Login ID - a user identification number to enter the system
- Password - a word that enables one to gain admission into the system
- Web-based application - an application that runs on the Internet
- MySQL - a query language to interrogate the system
- GUI - Graphical User Interface
- SRS - Software Requirements Specification

Overview:

This Software Requirements Specification (SRS) is the requirements that formally specifies Newspaper Delivery System(NDS) included systems analysis efforts. Various techniques were used to elicit the requirements and we identified the needs, analyzed and refined them. The aims of this document is to formally describe the system's high level requirements including functional requirements, design constraints, non-functional requirements, performance requirements, maintainability.

Specific Requirements

➜ Functional Requirements
➜ Design Constraints
➜ Non-Functional Requirements

Functional Requirements:

➢ **Registration**
➢ **Handle orders**
➢ **Report Generation**
➢ **Database**

Registration:
- Add Customers
- Add customers ID

Add customers:
The NPAAS shall allow to put add the new customers and input the information of the order.

Assign Customer ID:
The NPAAS shall allow newsagent to give each customer a ID and add it to the customer's record. This ID shall be used by the newsagent to check their customer order information.

Handle Orders:
- Add subscribe orders
- Delete subsribe orders
- Modify subsribe orders
- Print out the address table

Add subscribe orders:
The Newsagent shall be allowed to put add the new order and input the information of order.
- Newspaper ordered
- Magazine ordered
- The Delivery address

<u>Delete subsribe orders:</u>
The Newsagent shall be allowed to delete the subscribe order from the system when the subscriber cancels his/her order.

<u>Modify the Order:</u>
The Newsagent shall be allowed to modify the pre-existing order from the system when the subscriber changes their order.

<u>Print out the address table:</u>
The NPAAS should allow the newsagent to print out the address table for the Newspaper Deliverer every day.

Report Generation:

- Print out the summary of publications
- Calculate and print put the bills

<u>Print out the summary of publications:</u>
The NPAAS should allow the newsagent to print out the summary of piblications everyday.

<u>Calculate and print out the bills:</u>
The NPAAS can computed the bills automatically, and allow the newsagent to print out the bills for the customers every month.

Database:
- Customer mandatory information
- Update customer information

Customer Mandatory Information:

Each customer should have the following mandatory information :
- Customer ID
- First name
- Last name
- Phone number
- Address
- Number of publications per day

Update Customer Information:

The NPAAS shall allow the user to update any of the customer's information as described in customer information.

Design Constraints:

- Database
- Operating system
- Web-based

Database:

The system shall use the MySQL Database, which is following reason:
- Open source
- Free

Operation System:

The Development environment shall in ubuntu

Web-based:

The system shall be a web-based application

Non-Functional Requirements:

- Security
- Performance Requirements
- Maintainability
- Reliability

Security:
- customer Identification ID
- login ID
- Modification
- Agent Rights
- Manager Rights

Customer Identification:
The system requires the customer to identify himself/herself using Customer ID.

Login ID:
Any user who uses the system shall have a Logon ID and password.

Modification:
Any modification for the Database shall be synchronized and done only by the manager, including:
- Insert
- Delete
- update

Agent Rights:
Manager shall be able to view all information in NPAAS, add new customer to NPAAS but shall not be able to modify any information in it.

Manager Rights
Manager shall be able to view and modify any information in NPAAS.

performance Requirements:

- Response time
- Capacity
- User-Interface
- Conformity

Response Time:

The system shall give responses in 1 second after checking the customer's information.

Capacity:
The system must support 100 people at a time.

User-interface:
The user-interface screen shall respond within 2 seconds.

Conformity:
The systems must conform to the Linux Accessibility guidelines.

Maintanabilty:
- Backups
- Errors

Backup:
The system shall provide the capability to back-up the Data.

Errors:
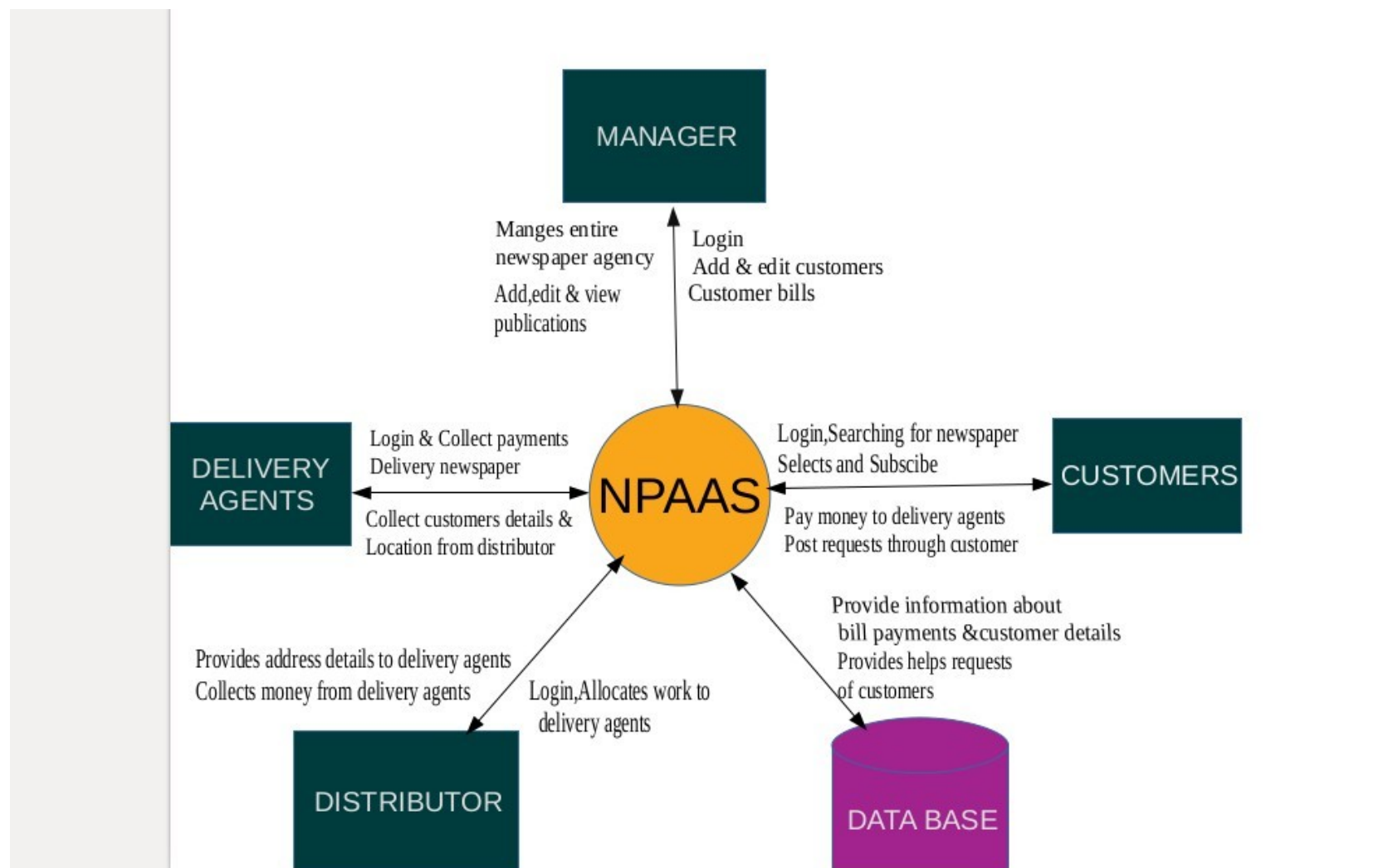The system shall keep a log of all the errors.

Reliability

- Availability
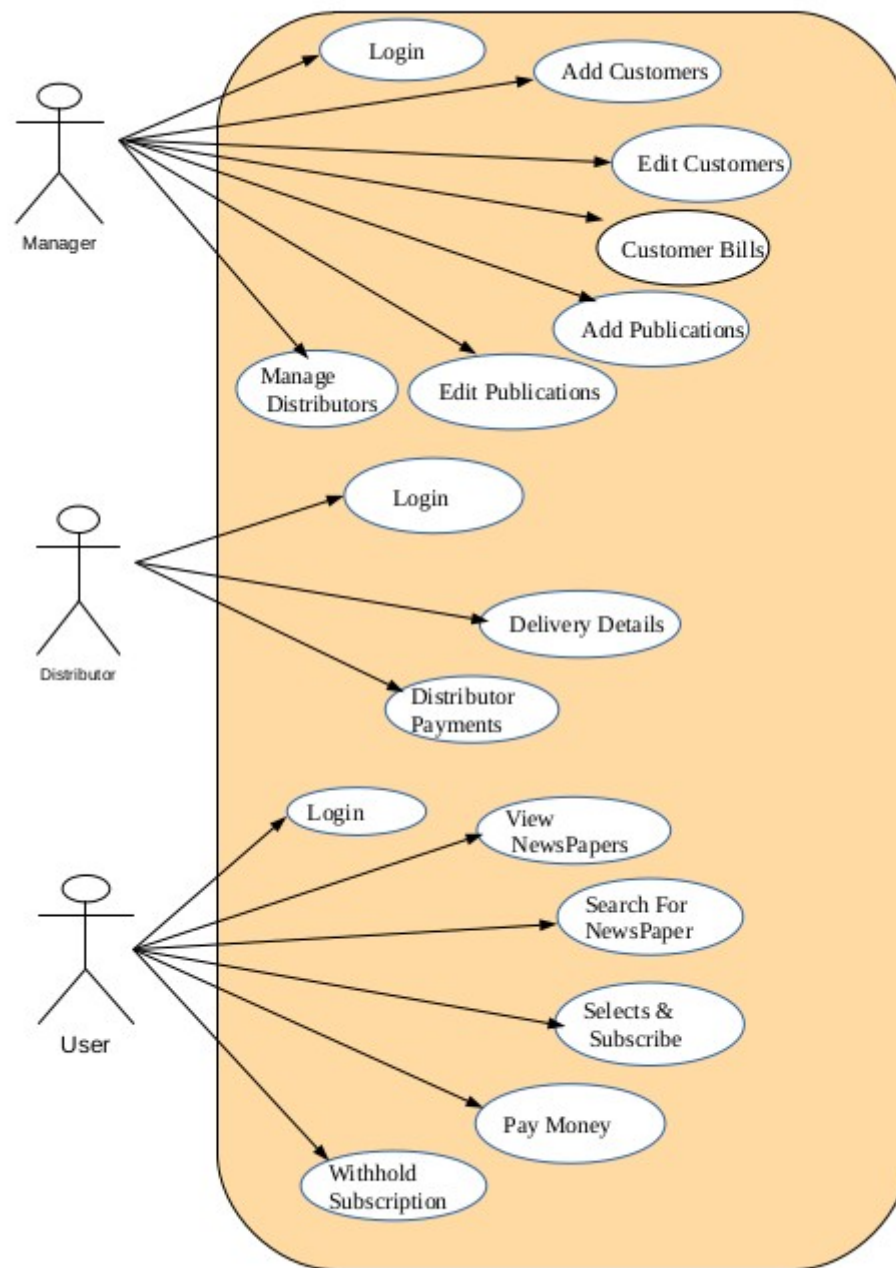
Availability:

The system shall be available all the time

System Models:

- use case Diagram
- Context Diagram

Context Diagram:

Use case Diagram:

Conclusion:

      This SRS document is used to give details regarding Newspaper Delivery System. In this all functional and non-functional requirements are specified in order to clear cut idea to develop a project.