



A newspaper delivery system

-Project description:

The newspaper delivery system project aims to address the challenges faced by newspaper delivery services in efficiently and effectively managing their operations. The proposed system seeks to automate the entire delivery process, from receiving customer orders to dispatching delivery agents and tracking deliveries.

The system will have several features to enhance functionality, including a user-friendly interface that allows customers to easily place orders and select delivery preferences. Delivery agents will have access to a real-time dashboard that displays delivery routes and updates on pending deliveries. The system will also have an integrated payment gateway to facilitate secure and efficient payment processing.

The project's boundaries will be limited to the newspaper delivery process, with a focus on optimizing the process for both customers and delivery agents. The system will be constrained by factors such as budget, technology limitations, and scalability requirements.

Overall, the newspaper delivery system project aims to revolutionize the traditional newspaper delivery process by introducing a modern, efficient, and customer-centric approach.

List of team members:

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-List the initial identified customer requirements:

- 1-Daily delivery lists for each delivery person.
- 2-A summary of publications delivered to each customer.
- 3-Automatic bill computation for each customer at the end of each month.
- 4-Management of customer information, including name, address, phone number, email, delivery preferences, and billing information.
- 5-Management of publication information, including a list of available publications, their names, prices, and delivery schedules.
- 6-Management of deliveries, including tracking of delivery personnel, publications assigned to each delivery person, and delivery schedules for each publication.
- 7-Ability to handle temporary suspension of service for customers who are away on vacation or business trips.
- 8-Simple and user-friendly interface for newsagents to manage customer information, publication lists, delivery schedules, and billing information.
- 9-Generation of various reports, such as daily delivery lists for each delivery person, summaries of publications delivered to each customer, and monthly revenue reports.

-Partition of Identified Customer Requirements:

1-Delivery Management

- Daily delivery lists for each delivery person.
- Summary of publications delivered to each customer.
- Delivery management, including tracking of delivery personnel, publications assigned to each delivery person, and delivery schedules for each publication.

2-Billing Management

- Automatic bill computation for each customer at the end of each month.
- Management of customer information, including name, address, phone number, email, delivery preferences, and billing information.
- Management of publication information, including a list of available publications, their names, prices, and delivery schedules.

3-User Interface

- Simple and user-friendly interface for newsagents to manage customer information, publication lists, delivery schedules, and billing information

4-Reporting

- Generation of various reports, such as daily delivery lists for each delivery person, summaries of publications delivered to each customer, and monthly revenue reports.

The following subsystems and their functions :

- **Customer Management System:** This subsystem will be responsible for storing and managing customer information such as name, address, contact details, delivery schedule, and billing details. It will allow for easy addition, modification, and deletion of customer information.
- **Publication Management System:** This subsystem will be responsible for managing the list of publications to be delivered to each customer. It will ensure that the correct publications are delivered to each address and will generate a daily publication summary for the newsagent.
- **Delivery Schedule System:** This subsystem will generate a daily delivery schedule for each delivery person, listing the publications to be delivered to each address.
- **Billing System:** This subsystem will automatically compute monthly bills for each customer based on their delivery schedule and the publications delivered.

The traceability matrix between the requirements and identified subsystems is as follows:

Requirement	Customer Management System	Publication Management System	Delivery Schedule System	Billing System
For each delivery person, the system must print, each day, the publications to be delivered to each address.		Yes	Yes	
The system should also print, for the newsagent, a summary of who received what publications each day.		Yes		
Once a month, bills are delivered to customers along with their newspapers. These bills should be computed automatically by the system.	Yes			Yes
Customers come and go and may be away temporarily on holiday or on business.	Yes			
Not all customers necessarily have a delivery every day.	Yes			