Documentation

Laundrover: A Laundry Management System
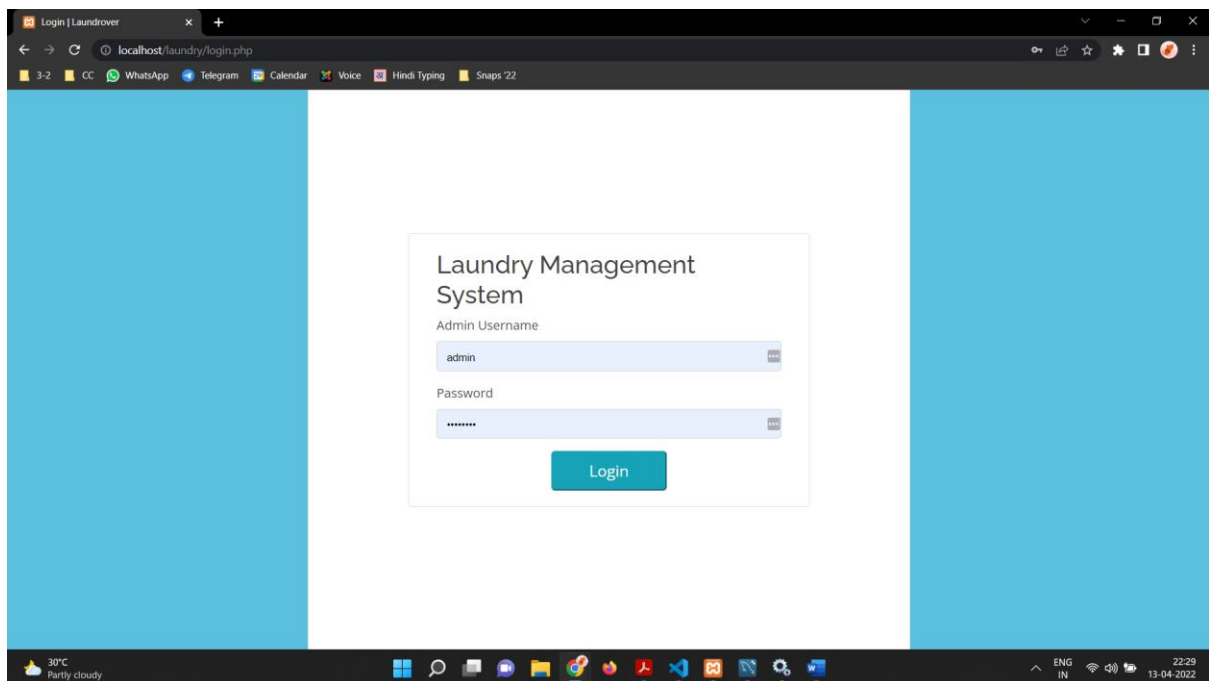

1. System requirement specification (SRS)

1.1 FUNCTIONAL REQUIREMENT

Login Page :

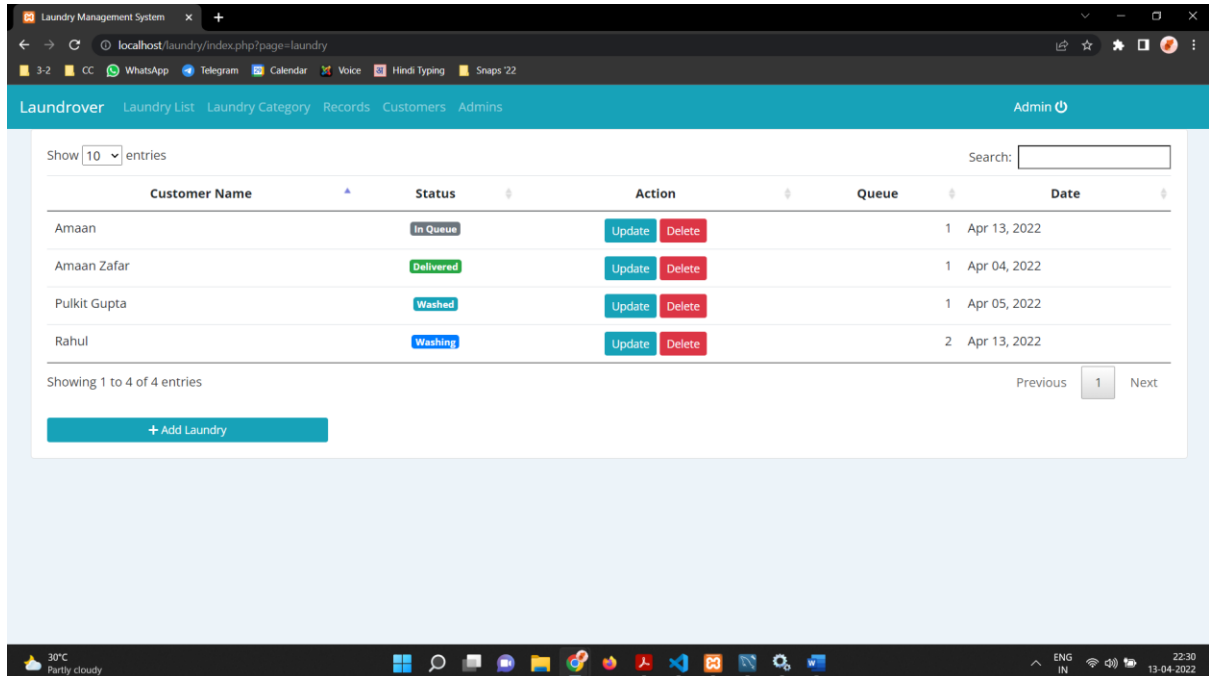Input: Enter the admin username and password provided.

　　　(Default : username = 'admin', password = 'admin123')

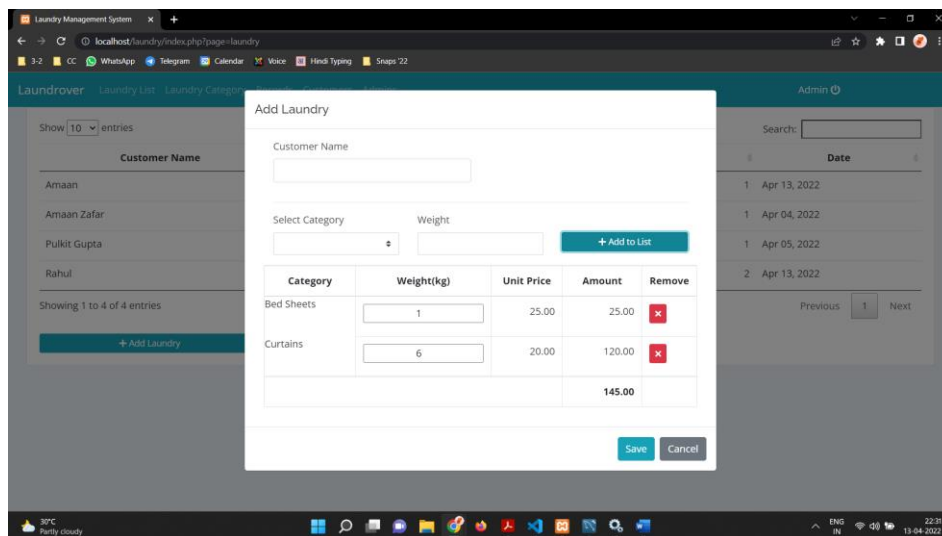Output: User will be able to use the features of the website.

Laundry Page :

Description : List of Laundries with Customer name, status of laundry, queue and date is displayed.

Add Laundry

Input: Enter customer name, laundry categories with their weight.

Output : Laundry will be added to the queue with the added laundry items

Update Laundry

Updates laundry details

Delete Laundry

Deletes laundry details

Laundry Page :

Input: Enter category, Price (per kg) and Max Capacity.

Output: Laundry category will be added and displayed alongside
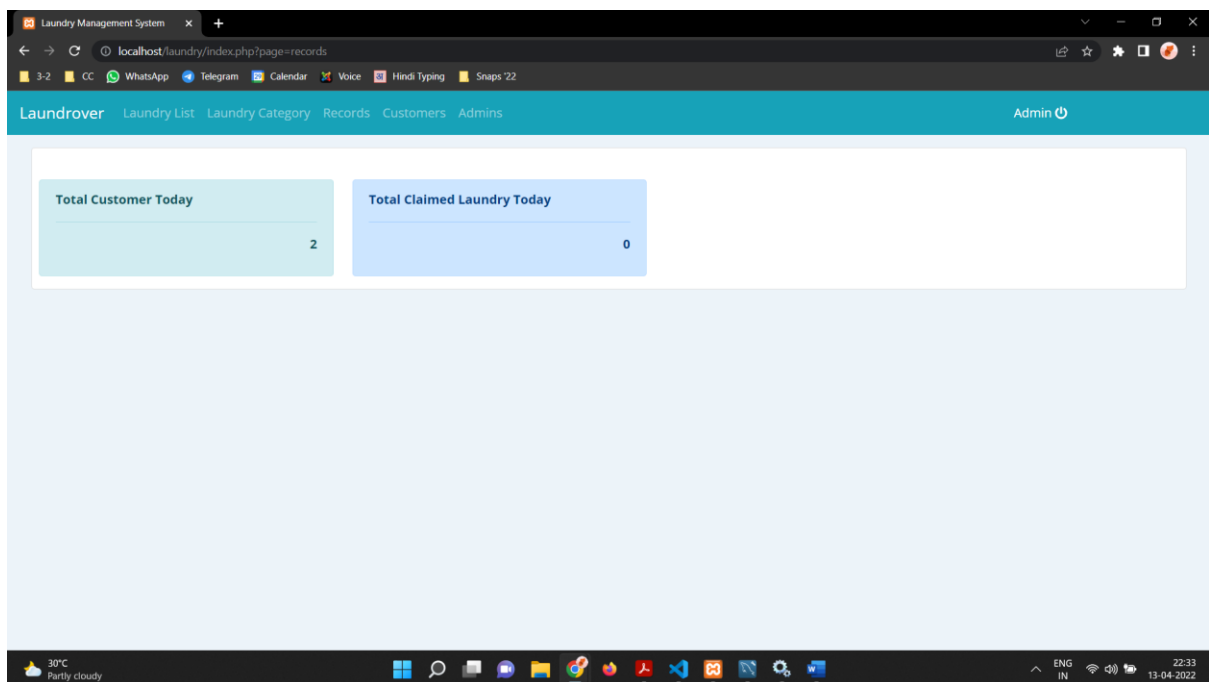
Update Laundry Category

Updates laundry category details

Delete Laundry Category

Deletes laundry category details

Records Page :

Description : Records are displayed.

Customers Page :

Description : List of customers are displayed. Options for editing and deleting the credentials is also there.

Admins Page :

Description : List of admins are displayed. Options for editing and deleting the credentials is also there.

1.2 SOFTWARE REQUIREMENT

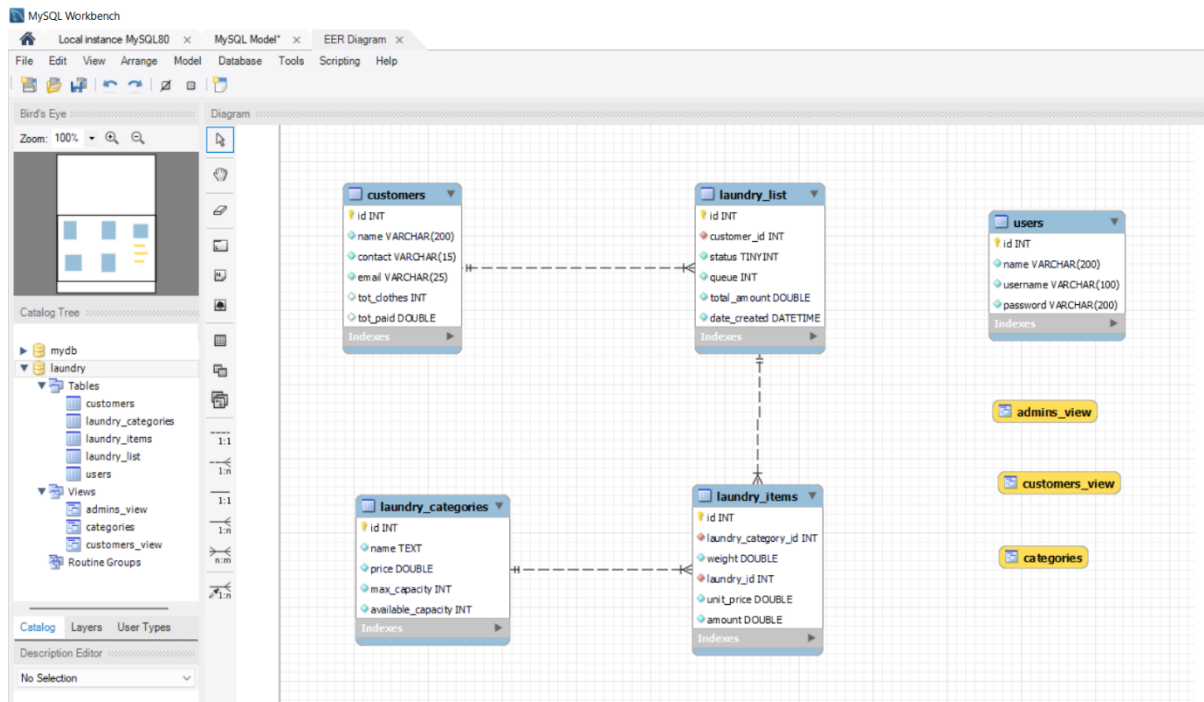**Front end:**

HTML, CSS, JavaScript, Bootstrap

Back end:

PHP using XAMPP Server to host locally

Back end database:

MySQL

2. System Modeling

a. Entity-relationship (ER) diagram.

b. Schema design

users (<u>id</u>: int, name: varchar(200), username: varchar(100),

password: varchar(200))

customers (<u>id</u>: int, name: varchar(200), contact: varchar(15),

email: varchar(200), tot_clothes: int, tot_paid: double)

laundry_categories (<u>id</u>: int, name: varchar(200), price: double,

max_capacity: int, available_capacity: double)

laundry_ list (<u>id</u>: int, customer_id: int Foreign Key, status: tinyint, queue: int,

total_amount: double, date_created: DateTime Formal)

laundry_ items (<u>id</u>: int, laundry_category_id: int Foreign Key, weight: double,
laundry_id: int Foreign Key, unit_price: double, amount: double)

c. Data normalization.

Normalised to BCNF

d. List of tables required.

1. **users**

2. **customers**

3. **laundry_categories**
4. **laundry_ list**
5. **laundry_ items**

e. Procedures

- Procedures such as to login and add_user is used.