

# Documentation

## Laundrover: A Laundry Management System

### 1. System requirement specification (SRS)

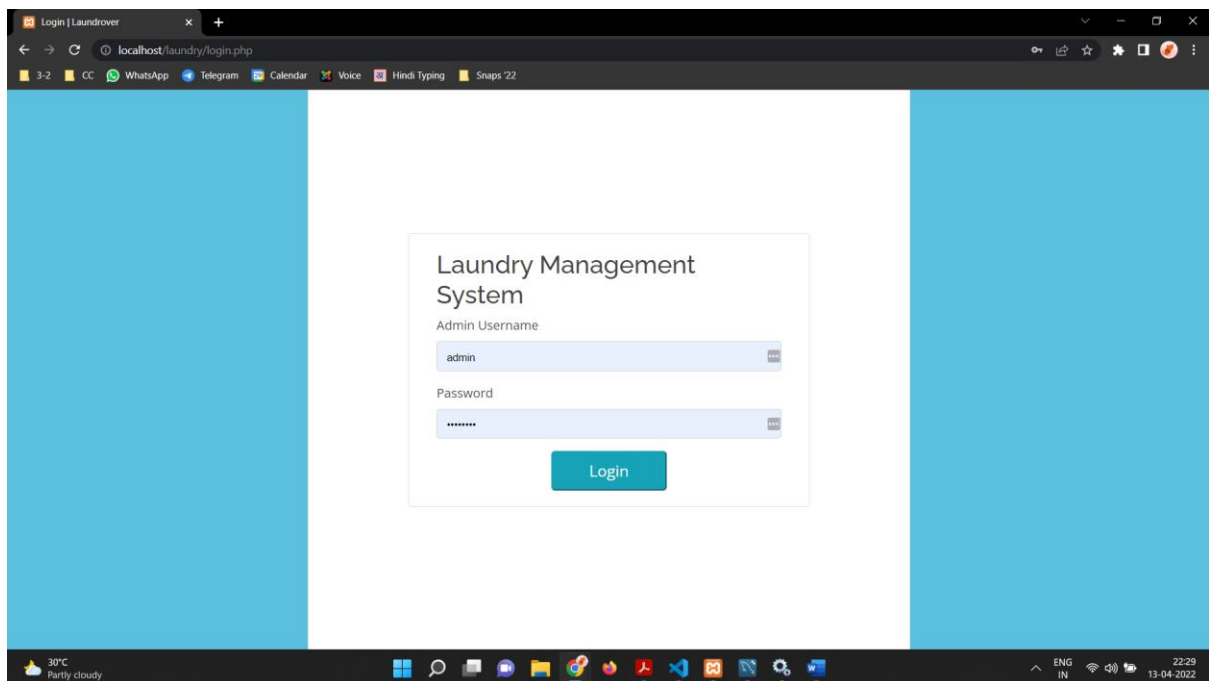
#### 1.1 FUNCTIONAL REQUIREMENT

##### Login Page :

Input: Enter the admin username and password provided.

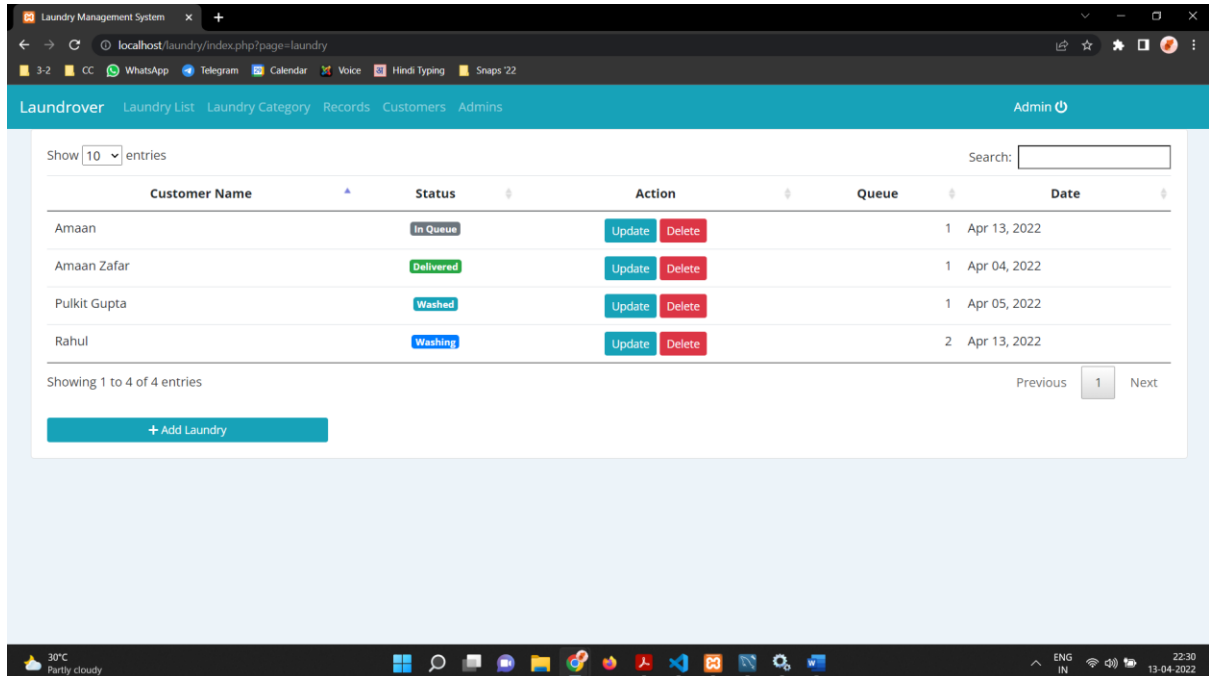
(Default : username = 'admin', password = 'admin123')

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



## Laundry Page :

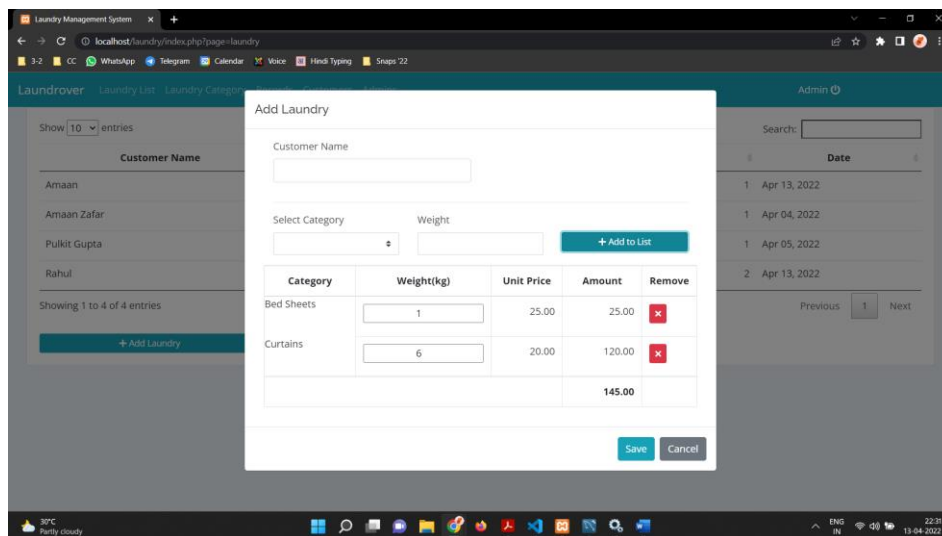
Description : List of Laundries with Customer name, status of laundry, queue and date is displayed.



## 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

The screenshot shows a web browser window with the 'Laundry Management System' open. A modal titled 'Update Laundry' is displayed in the center. The modal contains the following fields and controls:

- Customer Name:** A text input field containing 'Amaan'.
- Status:** A dropdown menu showing 'In Queue'.
- Select Category:** A dropdown menu showing 'Bed Sheets'.
- Weight:** A text input field containing '1'.
- + Add to List:** A blue button.
- Table:** A table with columns: Category, Weight(kg), Unit Price, Amount, and Remove.
- Save:** A blue button.
- Cancel:** A grey button.

The background shows a sidebar with 'Laundry List' and 'Laundry Category' links, and a main area with a search bar and a list of dates.

## 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

The screenshot shows the 'Laundry Category' page of the 'Laundry Management System'. The page has a sidebar with links: 'Laundry Category', 'Records', 'Customers', and 'Admins'. The main content area is divided into two sections:

- Form Section:** Contains input fields for 'Category', 'Price (per kg)', and 'Max Capacity', along with 'Save' and 'Cancel' buttons.
- Table Section:** A table with columns 'Category Name' and 'Action'. It lists two categories: 'Curtains' and 'Bed Sheets'. Each row has 'Edit' and 'Delete' buttons.

The table data is as follows:

Category Name	Action
Name : Curtains Price : 20.00 Max Capacity : 100.00 Available Capacity : 100.00	Edit Delete
Name : Bed Sheets Price : 25.00 Max Capacity : 100.00 Available Capacity : 100.00	Edit Delete

## Update Laundry Category

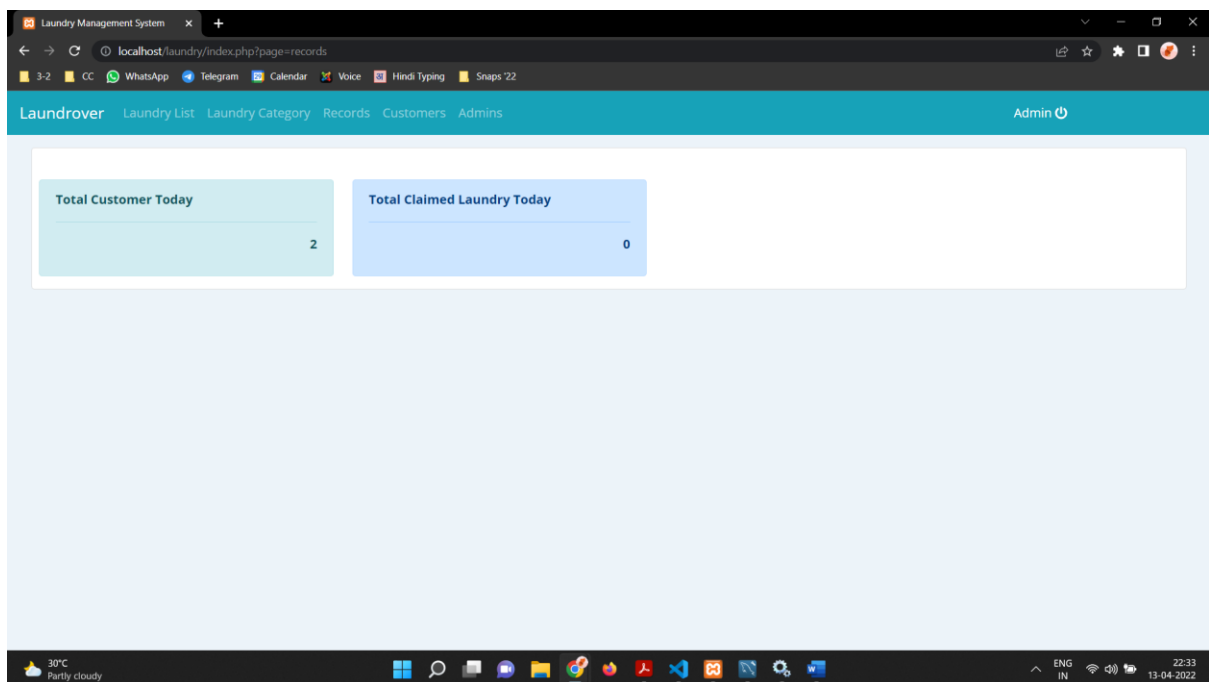
Updates laundry category details

## 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.

The screenshot shows the 'Customers' page of the 'Laundry Management System'. The page has a teal header with the system name and navigation links: 'Laundry List', 'Laundry Category', 'Records', 'Customers', and 'Admins'. An 'Admin' button with a power icon is in the top right. Below the header is a table with the following data:

Customer ID	Customer Name	Contact	Email	Clothes Washed	Total Paid	Update
2	Kumar	7870145569	asddfa@dfad	0	0	<a href="#">-</a>
1	Rahul	7870145569	asddfa@dfad	0	0	<a href="#">-</a>

Below the table is a '+ Register a Customer' button. The bottom of the page shows a Windows taskbar with the date 13-04-2022 and time 22:34.

## Admins Page :

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

The screenshot shows the 'Admins' page of the 'Laundry Management System'. The page has a teal header with the system name and navigation links: 'Laundry List', 'Laundry Category', 'Records', 'Customers', and 'Admins'. An 'Admin' button with a power icon is in the top right. Below the header is a table with the following data:

Admin Name	Admin Username	Update
Admin	admin	<a href="#">-</a>
Amaan	amaan	<a href="#">-</a>
Pulkit	pulkit	<a href="#">-</a>

Below the table is a '+ Create a new Admin' button. The bottom of the page shows a Windows taskbar with the date 13-04-2022 and time 22:34.

## **1.2 SOFTWARE REQUIREMENT**

### **Front end:**

HTML, CSS, JavaScript, Bootstrap

### **Back end:**

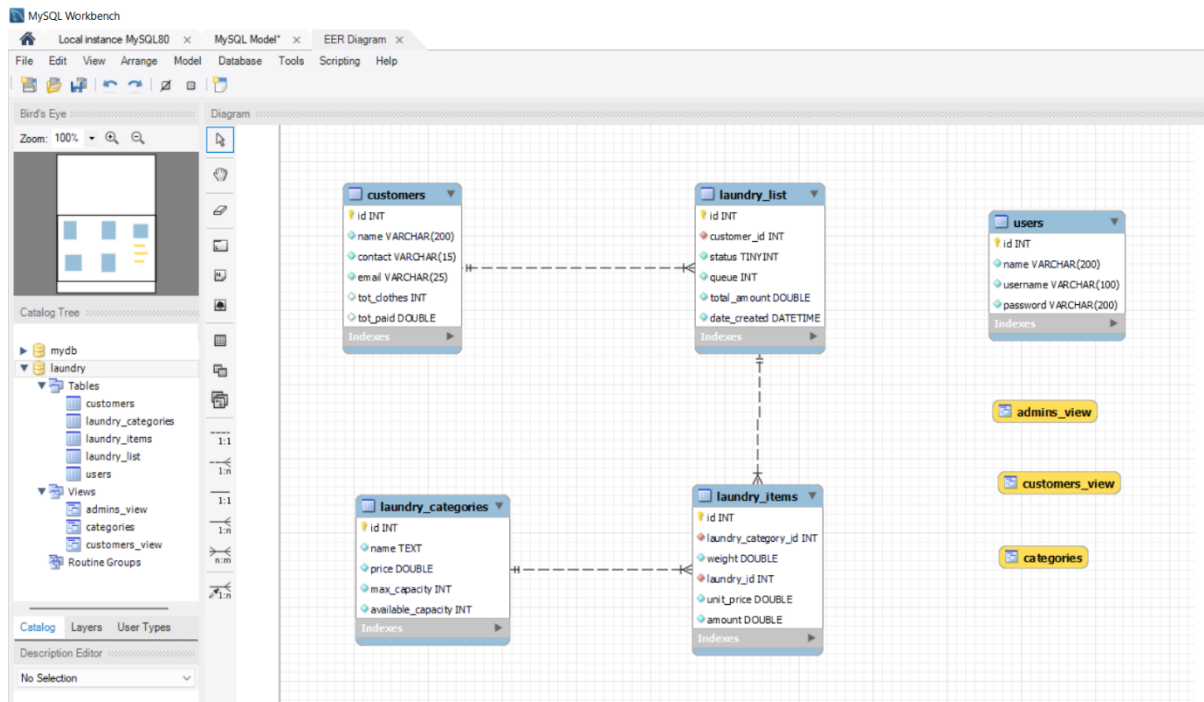
PHP using XAMPP Server to host locally

### **Back end database:**

MySQL

## 2. System Modeling

### a. Entity-relationship (ER) diagram.



### b. Schema design

**users** (id: int, name: varchar(200), username: varchar(100), password: varchar(200))

**customers** (id: int, name: varchar(200), contact: varchar(15), email: varchar(200), tot\_clothes: int, tot\_paid: double)

**laundry\_categories** (id: int, name: varchar(200), price: double, max\_capacity: int, available\_capacity: double)

**laundry\_list** (id: int, customer\_id: int Foreign Key, status: tinyint, queue: int, total\_amount: double, date\_created: DateTime Format)

**laundry\_items** (id: 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.