

LAUNDEREASE

Make Laundry Effortless With LaunderEase

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Problem Statement

Hostel residents are finding it hard to match their schedules with laundry services and can't physically drop off their clothes. This mismatch causes delays making it difficult for residents to use laundry services efficiently.

Abstract

We created an application called LaunderEase, which is an online system for managing laundry services. With LaunderEase, users can easily submit their clothes for laundry online, specifying details. This simplifies the process of coordinating with laundry service providers, eliminating the need for physical drop-offs. LaunderEase enhances convenience for hostel residents by offering a streamlined solution for managing laundry tasks.

Features

- 1 User Authentication
- 2 User Registration
- 3 Admin Dashboard
- 4 Student Dashboard
- 5 Order Placement
- 6 Support And Assistance
- 7 Instructions

- Frontend - Python GUI (Tkinter)
- Database - MySQL
- Backend - Python

Future Scope

- Online Payment Integration
- Extending Services Accessibility Beyond Colleges
- Feedback Mechanism And Ratings

The image displays two side-by-side browser windows from a web application titled "Laundry Management System".

The left window, titled "Laundry Management System - Login", contains two login sections:

- Admin Login:** Features an illustration of a person in a blue shirt and yellow apron holding a yellow cloth, with a washing machine and laundry basket below. It includes input fields for "Email:" and "Password:", and "Login" and "Register" buttons.
- Student Login:** Features an illustration of a person with orange hair wearing a yellow shirt. It includes input fields for "Email:" and "Password:", and "Login" and "Register" buttons.

The right window, titled "Laundry Management System - Student Registration", contains a "Student Registration" section with the following fields and buttons:

- Email:** Input field containing "harini@gmail.com".
- Username:** Input field containing "Harini".
- Password:** Input field containing "*****".
- Mobile Number:** Input field containing "9491419104".
- Hostel Name:** Input field containing "Saradha".
- Room Number:** Input field containing "131".
- Register:** A button at the bottom right of the form.

Figure: Home Page and Student Registration Page

Demo - Continued



Figure: Successful Registration and Invalid Login

Demo - Continued

The image displays two side-by-side browser window screenshots from a web application.

The left window, titled "Student Dashboard", has a light blue background. It displays a welcome message "Hi! Welcome, **Harini**". Below the message are three buttons: "Place Order", "Support", and "Instructions".

The right window, titled "Place Order - Laundry Management System", also has a light blue background. It contains a form with the following fields and options:

- Number of Clothes:** A text input field containing the value "80".
- Services Required:** A list of checkboxes:
 - ☒ Dry Clean
 - ☒ Wash and Fold
 - ☐ Iron Required
- Preferred Time:** A text input field containing the value "8pm".
- Mode of Payment:** A radio button selection with "COD" selected.
- Any Other Requirements:** A text input field containing the value "Iron only red T shirt".

At the bottom right of the form is a "Place Order" button.

Figure: Successful Login leading to Student Dashboard and Place Order Page

Demo - Continued

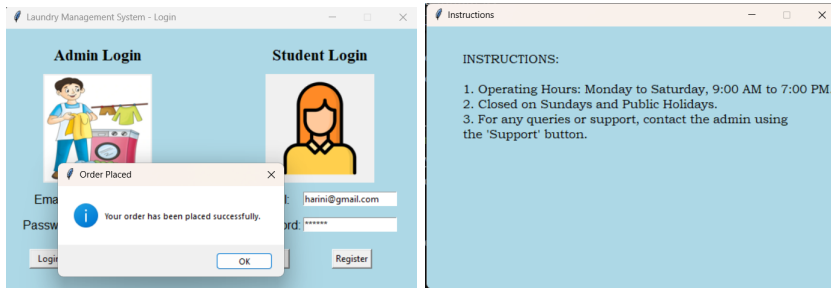


Figure: Successfully placing order and Instructions page

Demo - Continued

The figure displays two screenshots of a web application interface.

Left Screenshot: Admin Contact Details

This window shows a list of admin contact details. It contains three entries, each with the following fields:

- Admin Name: admin
- Mobile Number: 123456789
- Hostel: medha

Admin Name: user1

Mobile Number: 1234567890

Hostel: medha

Admin Name: user2

Mobile Number: 119

Hostel: sarada

Right Screenshot: Laundry Management System - Admin Registration

This window shows the admin registration form. It includes the following fields and a button:

- Email: krishna@gmail.com
- Username: krishna
- Password: *****
- Host: Saradha
- Mobile Number: 9948545243
- Register button

Figure: Support page with information of all admins and Admin Registration page

Demo - Continued

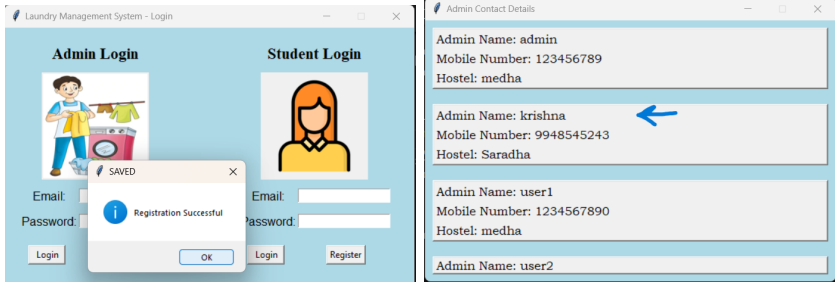


Figure: Successful Registration and details of admin added to support page

Demo - Continued

The image displays two side-by-side browser windows from a web application titled "Laundry Management System".

The left window, titled "Laundry Management System - Login", is split into two sections:

- Admin Login:** Features an illustration of a person in a blue shirt and yellow apron holding a yellow cloth, standing next to a pink washing machine. Below the illustration are input fields for "Email:" (containing "krishna@gmail.com") and "Password:" (containing "*****"), and "Login" and "Register" buttons.
- Student Login:** Features a simple line-art icon of a person with orange hair wearing a yellow shirt. Below the icon are input fields for "Email:" and "Password:", and "Login" and "Register" buttons.

The right window, titled "Student Dashboard", displays a welcome message "Hi! Welcome, **krishna**". Below this, a box contains the following student information:

- Student: Harini
- Mobile number: 9491419104
- Hostel: Saradha
- Number of Clothes: 80
- Services Required: Dry Clean, Wash and Fold
- Preferred Time: 8pm
- Mode of Payment: COD
- Other Requirements: Iron only red T shirt

At the bottom of this box is a button labeled "Completed".

Figure: Admin Login leading to view all the requests received

Demo - Continued

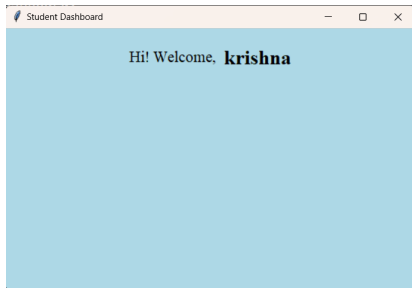


Figure: Request will be disabled after clicking completed

THANK YOU