

Laundry Management System

Presented by:

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problem statement

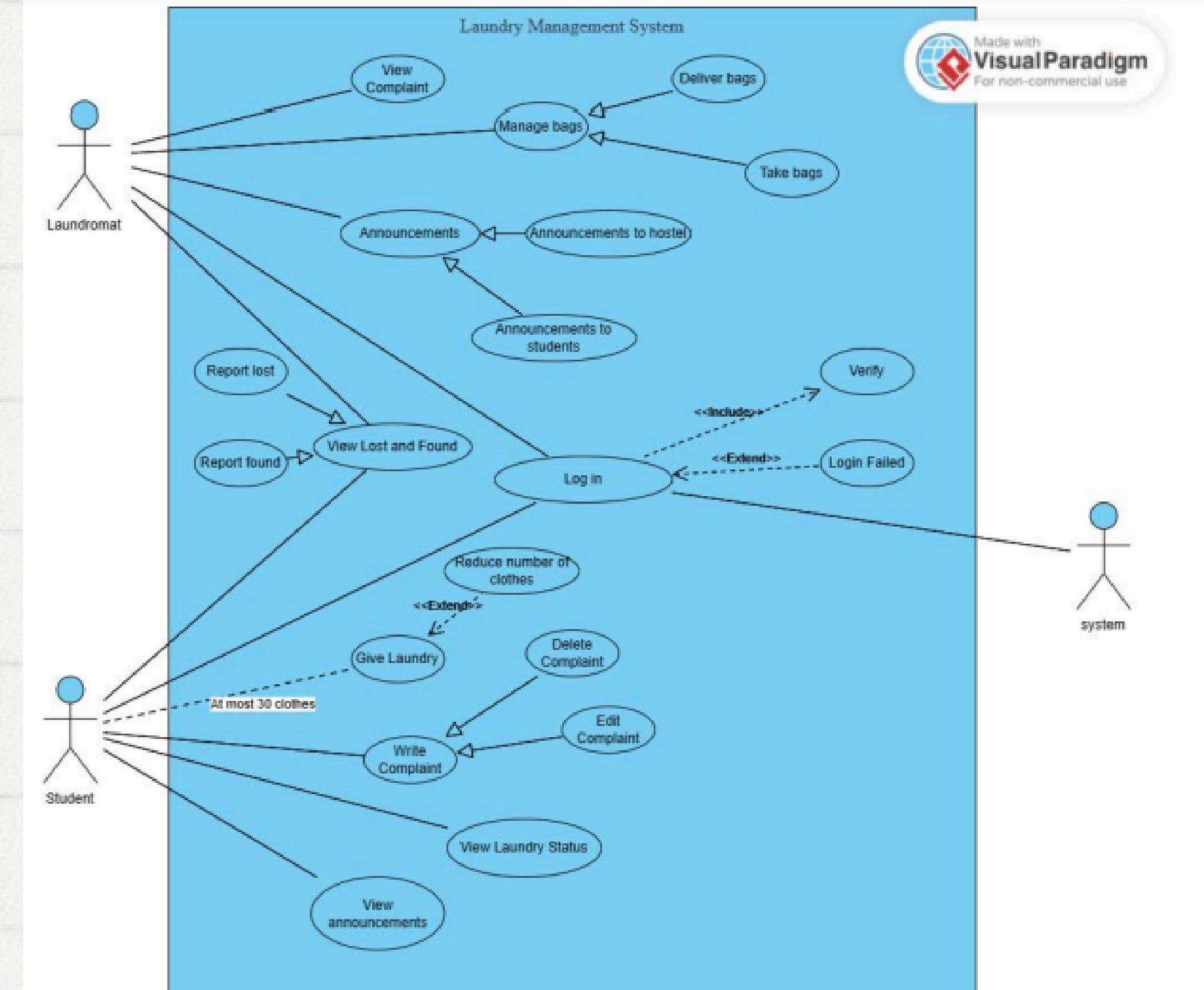
The current college laundry service suffers from a lack of structure, leading to a multitude of inconveniences for students. This manifests in various forms as:

- Information gap leaves students uncertain about laundry status.
- Inefficient communication via overloaded WhatsApp groups leads to confusion.
- Absence of direct feedback channels prolongs issue resolution.
- Lack of dedicated lost and found portal causes frustration and wasted time.

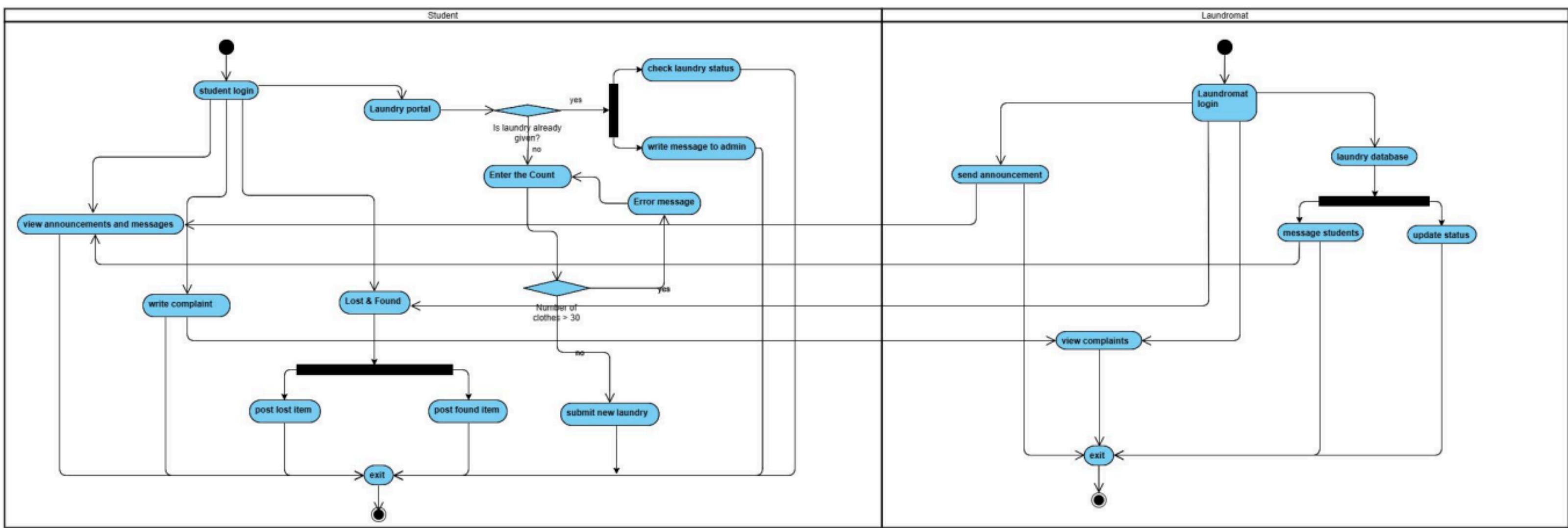
Introduction

- College laundry services lack structure and efficient communication.
- Challenges include information gap, inefficient methods, limited feedback, lost item management.
- Pressing need for comprehensive solution to enhance management.
- Proposed system: Secure login, student portal, lost and found page, complaint box, admin views, efficient communication.
- Goals: Address challenges, improve efficiency, transparency, user experience.
- Aim: Mitigate issues, provide seamless laundry management solution.

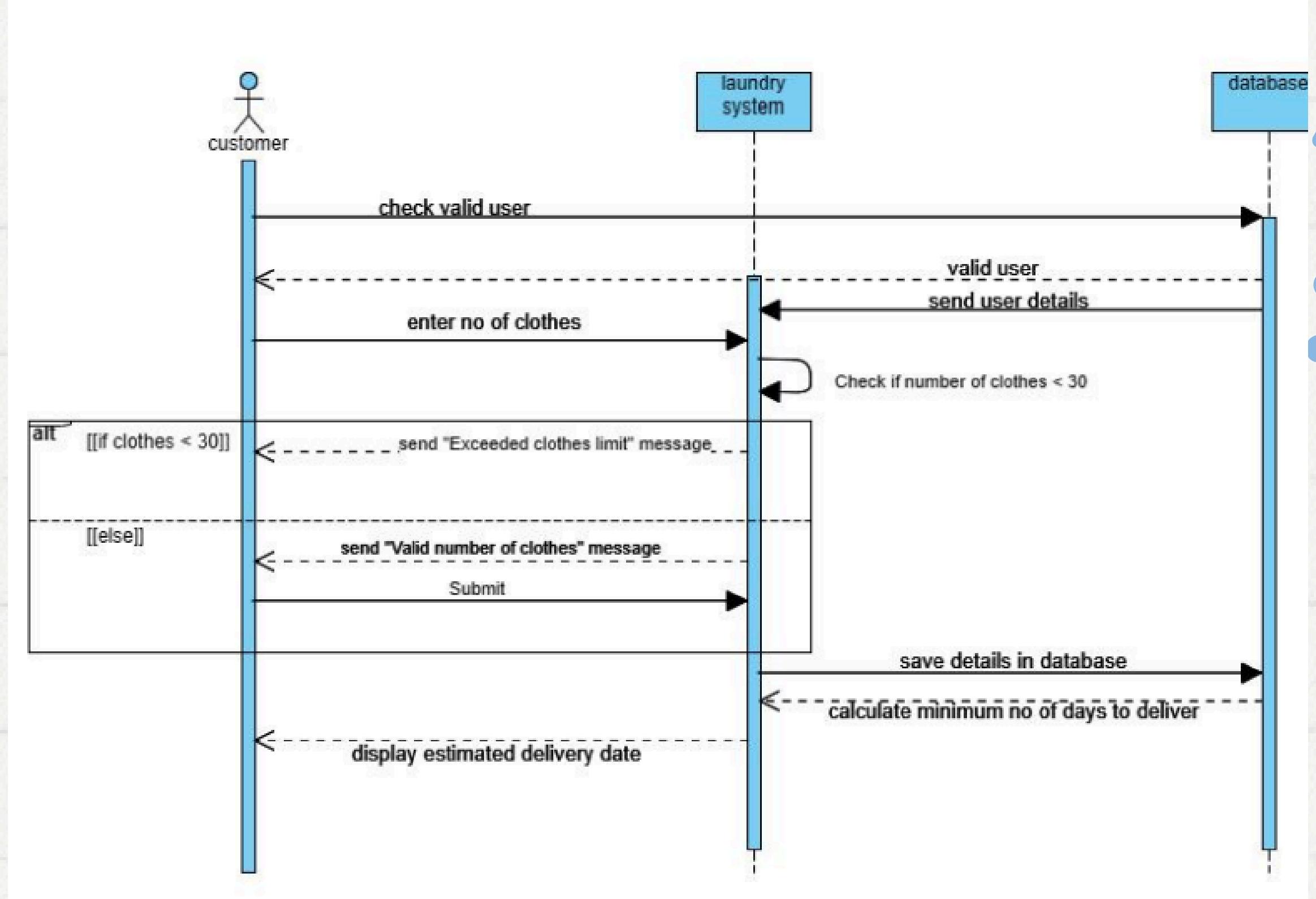
User case Diagram



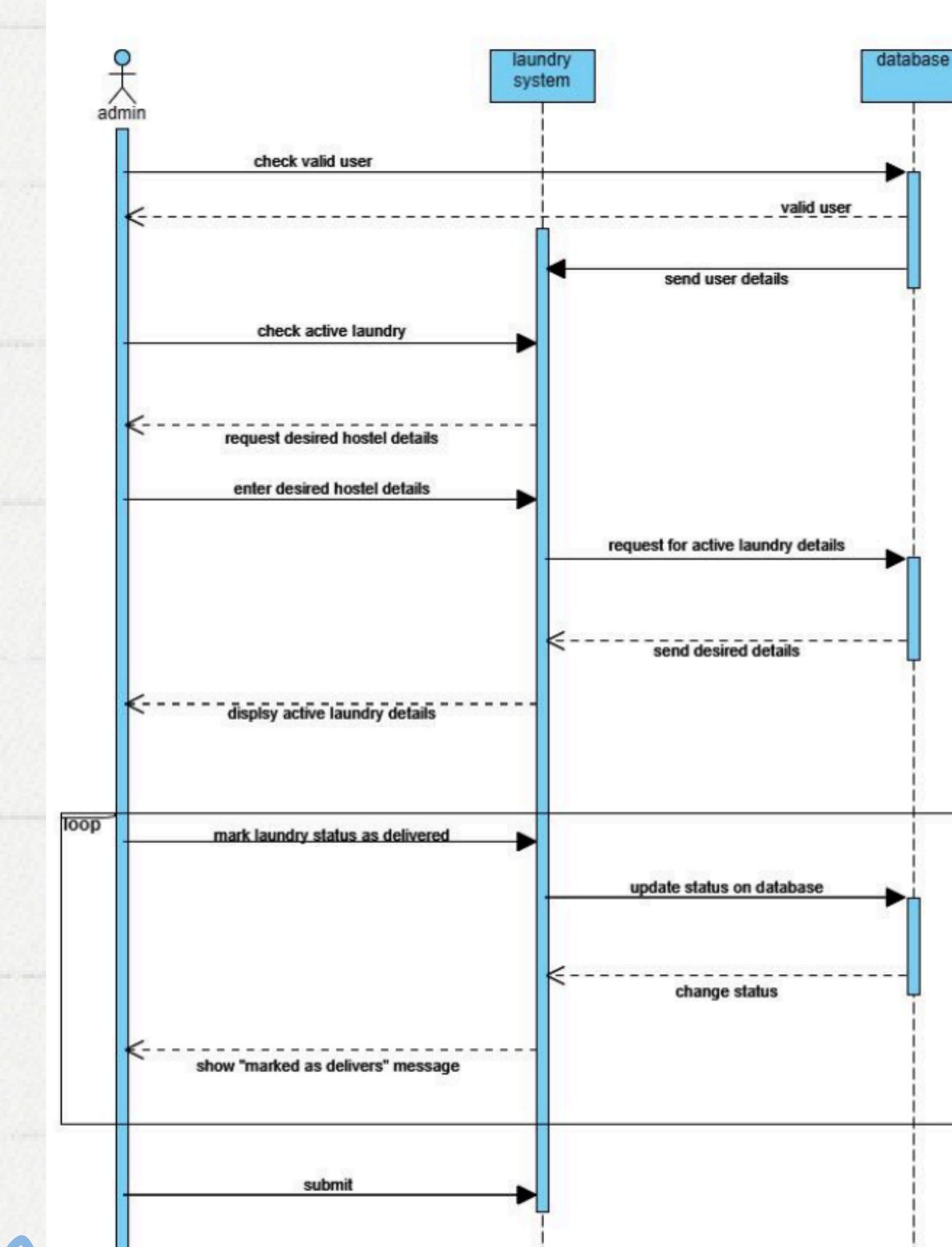
Activity Diagram



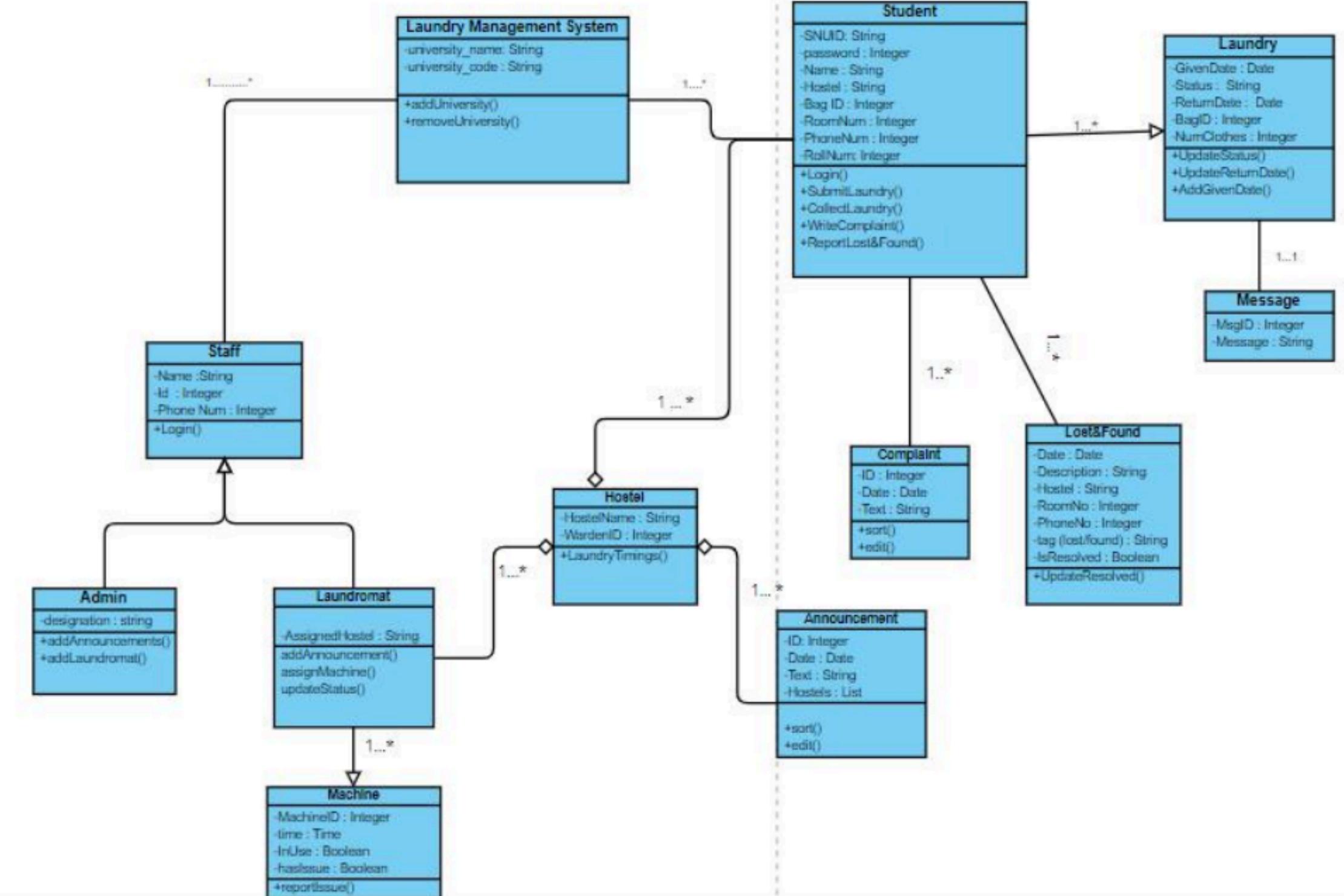
Sequence Diagram



Sequence Diagram



Class Diagram



LOGIN PAGE

Laundry Management

Home Login

Login

Role

Staff

Email

admin1@example.com

Password

.....

Login

STUDENT HOME PAGE

The screenshot shows a web application interface for a laundry management system. At the top, there's a dark blue header bar with a back arrow, forward arrow, and refresh icon. The URL 'Ims-one-rho.vercel.app/portal' is displayed. On the right side of the header are several small icons: a gear, a download, a star, a green circle with a white 'T', and a three-dot menu.

The main content area has a dark blue sidebar on the left containing the text 'Laundry Management'. The main body is white and contains the following sections:

- Give your Laundry!**: This section includes a text input field with the value '18' and a note below it: 'Do not iron the red polyester shirt'. A blue 'Submit' button is located at the bottom of this section.
- Laundry Submission History**: A table showing four rows of submission history:

Date of Submission	Number of Clothes	Status	Return Date
25/4/2024	24	Ready to Collect	25/4/2024
23/4/2024	20	Ready to Collect	24/4/2024
22/4/2024	25	Ready to Collect	25/4/2024
- Raise Complaint**: A section with a text input field labeled 'Enter Your Complaint:' and a blue 'Submit' button.

In the top right corner of the main body, there's a 'Welcome, bob' message with a dropdown arrow.

ADMIN HOME PAGE

The screenshot shows the Admin Home Page of the Laundry Management System. The page has a dark blue header with the title "Laundry Management". On the right side of the header, there are links for "Admin", "Lost & Found", and "Messages for Admin". A welcome message "Welcome, admin1" is displayed with a dropdown arrow.

The main content area is titled "Laundry Information". It features a table with columns: Hostel Name, Date Received, Student, Status, Edit Status, and Return Date. The "Status" column currently displays "Ready to Collect". The "Edit Status" column contains dropdown menus. The "Return Date" column shows specific dates like 25/4/2024.

A modal window titled "Send Message to Hostel" is open on the right. It includes fields for "Hostel:" (with a "Select Hostel" placeholder) and "Message:", and a "Send Message" button.

On the far right, there is a vertical sidebar with various icons for social media and communication platforms, including LinkedIn, WhatsApp, and Telegram.

Hostel Name	Date Received	Student	Status	Edit Status	Return Date
2	1/4/2024	alice@example.com	Ready to Collect	Ready to C	25/4/2024
1	2/4/2024	bob@example.com	Ready to Collect	Ready to C	25/4/2024
1	22/4/2024	bob@example.com	Ready to Collect	Ready to C	25/4/2024
1	23/4/2024	alice@example.com	Ready to Collect	Ready to C	24/4/2024
1	23/4/2024	bob@example.com	Ready to Collect	Ready to C	24/4/2024
1	24/4/2024	alice@example.com	Ready to Collect	Ready to C	25/4/2024
1	22/4/2024	bob@example.com	Ready to Collect	Ready to C	25/4/2024

ADMIN SENDING MESSAGES

The screenshot shows a web-based Laundry Management System (LMS-SNLoE) interface. The top navigation bar includes links for Personal, LMS-SNLoE, Admin, Lost & Found, and Messages for Admin, with a welcome message for 'admin1'. On the left, there are icons for creating new entries and filtering data. The main section is titled 'Laundry Information' and displays a table of laundry requests. The table columns are Hostel Name, Date Received, Student, Clothes Received, Status, Edit Status, and Return Date. Most rows show a 'Ready to Collect' status, except for the last row which shows 'Pending'. A modal window titled 'Send Message to Hostel' is open, prompting the admin to enter a 'Hostel' name ('Dibang') and a 'Message' ('The laundry will be delayed by a day than the regular return dates'). A 'Send Message' button is at the bottom of the modal. The right side of the screen features a vertical sidebar with various communication and management icons.

Hostel Name	Date Received	Student	Clothes Received	Status	Edit Status	Return Date
2	1/4/2024	alice@example.com	5	Ready to Collect	Ready to C	25/4/2024
1	2/4/2024	bob@example.com	10	Ready to Collect	Ready to C	25/4/2024
1	22/4/2024	bob@example.com	25	Ready to Collect	Ready to C	25/4/2024
1	23/4/2024	alice@example.com	15	Ready to Collect	Ready to C	24/4/2024
1	23/4/2024	bob@example.com	20	Ready to Collect	Ready to C	24/4/2024
1	24/4/2024	alice@example.com	15	Ready to Collect	Ready to C	25/4/2024
1	22/4/2024	bob@example.com	24	Pending		25/4/2024

ADMIN STATUS UPDATE

The screenshot shows a web-based Laundry Management System (LMS) interface for an administrator. The top navigation bar includes links for Personal, LMS-SNIE, Admin, Lost & Found, and Messages for Admin, along with a welcome message for 'admin1'. The main content area is titled 'Laundry Management' and displays 'Laundry Information'.

Filtering options include 'All Hostels', 'All Dates', 'Washing', 'Sort By: None', and 'Order: Ascending'. A table lists a single laundry item:

Hostel Name	Date Received	Student	Clothes Received	Status	Edit Status	Return Date
1	25/4/2024	bob@example.com	18	Washing	Washing	None

The 'Edit Status' dropdown menu is open, showing options: Received, Washing, Drying, and Ready to Collect. To the right, a 'Send Message to Hostel' panel allows the admin to select a hostel and enter a message, with a 'Send Message' button.

STUDENTS RAISING COMPLAINTS

The screenshot shows a web-based laundry management system interface. At the top, a navigation bar includes icons for back, forward, refresh, and search, followed by the URL 'lms-one-rho.vercel.app/portal'. On the right of the bar are various browser controls. Below the bar, a blue header bar contains the text 'Laundry Management' on the left, 'Laundry Lost & Found Announcements' in the center, and 'Welcome, bob' with a dropdown arrow on the right.

The main content area features a section titled 'Give your Laundry!' with the sub-instruction 'Your laundry is already in process.' Below this is a table titled 'Laundry Submission History' with columns for 'Date of Submission', 'Number of Clothes', 'Status', and 'Return Date'. The table lists five entries:

Date of Submission	Number of Clothes	Status	Return Date
25/4/2024	18	Washing	None
23/4/2024	20	Ready to Collect	24/4/2024
22/4/2024	24	Ready to Collect	25/4/2024
22/4/2024	25	Ready to Collect	25/4/2024
2/4/2024	10	Ready to Collect	25/4/2024

To the right of the history table is a 'Raise Complaint' form. It has a text input field containing the placeholder text 'Enter Your Complaint:' and a message box containing the text 'the laundry is being delivered very late'. A blue 'Submit' button is located at the bottom of the form.

ADMIN COMPLAINTS PAGE

The screenshot shows a web browser window titled "LMS-SNloE" with the URL "Ims-one-rho.vercel.app/studentComplaints". The page is part of a "Laundry Management" system, indicated by the logo in the top left and the "Admin" link in the top right. The top navigation bar also includes "Lost & Found" and "Messages for Admin". A "Welcome, admin1" dropdown menu is visible on the far right.

The main content area is titled "Student Complaints" and features a "Filter by Date" button. Three complaints are listed:

- 1002 (Complaint ID: 3)**
the laundry is being delivered very late
Posted on Apr 25, 2024, 5:30 AM
- 1001 (Complaint ID: 1)**
The laundry room was closed in the laundry hours
Posted on Apr 24, 2024, 5:30 AM
- 1001 (Complaint ID: 2)**
complaint at pr4esentation
Posted on Apr 24, 2024, 5:30 AM

The bottom of the screen shows a Windows taskbar with various icons and a weather widget indicating "30°C Haze". The date and time are shown as "4/25/2024 10:11 PM".

LOST AND FOUND

LMS-SN1oE

Ims-one-rho.vercel.app/lostFound

Laundry Management Admin Lost & Found Messages for Admin Welcome, admin1

Lost and Found

Lost Items



My blue-T shirt has been missing
24/4/2024
Posted By : alice@example.com
Contact: 555-123-4567

Found Items



Someone's red jockey towel has been misplaced in our laundry
24/4/2024
Posted By : alice@example.com
Contact: 555-123-4567

Post a Lost or Found Item

Item Type:

Item Description:

Upload Image:

Post Item

30°C Haze

Search

99+ DELL 99+ 10:11 PM 4/25/2024

**Thank you
very much!**

<https://lms-one-rho.vercel.app/>