[INTRODUCTION]

This is a team project that manages the online laundry schedule system and has been built under the guidance of the professor. This project is useful for system management team as well as to the user.

1. Purpose

The purpose of this document is to create an online system to reserve a time slot for the laundry and customers to ease scheduling management the time easily without any interaction specifically during COVID-19. This system is based on a relational database with its customer and reservation management. A database server is supported each unit # in the building as well as time selection by the date. On top of that, we hope to provide user a convenience and make them feel comfortable and safe.

2. Document conventions

DB	Database
DFD	Data Flow Diagram
ERM	Entity Relationship Model

[OVERALL DESCRIPTION]

A distributed laundry database system stores the following information.

- **User description:**

  It includes customer unit #ID, password. This data used for keeping records of the laundry time slot services.
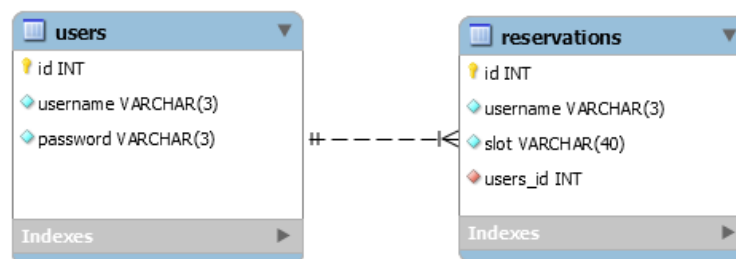
- **Laundry details:**

  The number of time slots and the status whether available or not.

- **Reservation description:**

  It includes customer records, date and time of reservation, and allow the booking once a week.

1. **Features**

   The major features of laundry database system as shown in below entity relationship mode(ERM).

2. **User Characteristics**

   User of the system should be able to retrieve available time slots information with the given date/time of it from the database. The amount of time is for 3hours. The system will allow user booking once a week. Users will have access to user functions. The user should be able to do the following functions:

   - Sing up for a new time slot.

     - Date / time

     - Confirmation

   - Cancel the existing reservation in a pop-up alert

   - Limitations

     *There is a limited number of available time slots.

     *There is a limit that user can create their ID, a new neighbor must contact the client.

3. **Operating Environment**

   Operating environment for the laundry management system is as listed below.
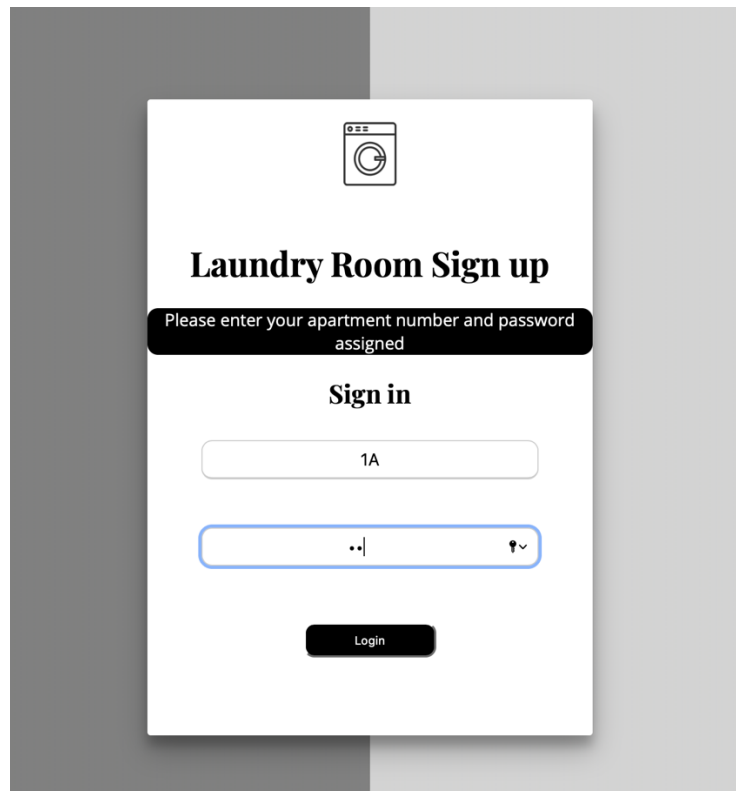
   - Distributed database

   - Client/server system

   - Operating system : Windows and Mac OS

   - Database : SQL+ database

   - Platform : Html, Java scripts, PHP, CSS

4. System Features

The laundry reservation system maintains information on weekly schedule contains time slots and updated time slots, and show whether available or not. And this project has a high priority because user can't use laundry without prior reservations during COVID-19.

5. Instruction Features

- Login page :

    - User ID   : enter unit# as ID, ex) 1A

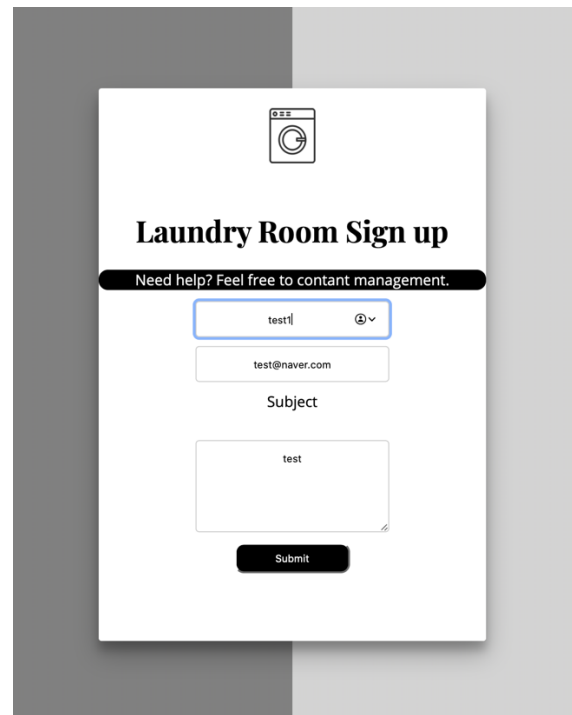   - Password : enter unit# in lowercase letter as password ex) 1A -> 1a

- Reservation page :

1. Click the time box

2. Choose the time and click the submit button

- Contact page :

   - Fill the form and click the submit button

➢ Reservation page

➢ Contact page

[TESTING EXPLAINING]

Tested System : Laundry Scheduling System

- **Summary**

#1 Check response when user clicks "Time" and "Submit"

- **Description**

Test steps:

1. Go to the login page

2. Click the time and submit

- **Conditions:**

Log in via created user ID

User ID   : 1A

Password : 1a

- **Expected result :**

Possible #1 - A user can make a reservation

Possible #2 - A pop-up alert asks if the user wants to cancel the reservation when

the user already has a reserved slot.

- Test data is shown below

Testing	Description	Database	Test results	End results	
		Group A	Louise, Goni, Shlomo	Sample Test Data	
Testing	**Description**	**Database**	**Test results**	**End results**	
1	Admin create users	fill out all users	manually fill information	manually fill information	
2	Admin create users	add to user a password	manually fill information	manually fill information	
3	Account information	No data	nothing shows	show user id ,name and apartment number	
4	User Login	Incorrect login username	Fail to login-resolved	popup alert saying "username or password incorrect. If urgente call (000)000-0000 or try again"	
5	User Login	Incorrect user password	Fail to login-resolved	popup alert saying "username or password incorrect. If urgente call (000)000-0000 or try again"	
6	User Login	Correct username and password	Successful login	Successful login pop up message	
7	User Logout	No data	retrun back to login page	retrun back to login page	
8	View time slot available	No reservation made	All stops show-resolved	all available spots show	
9	View time slot available	display reservation	No display -resolved	displays if you have a reservation	
10	Confermation	display confirmtion	No display -resolved	go back to calender page and display confirmed page	
11	Cancel reservation	reservation is not displayed	No display -resolved	display reservation canceled and asked for new reservation	