

Village Laundry System

TFB1033 – Object-Oriented Programming May. 2024

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PROJECT_TITLE: Village Laundry System

INTRODUCTION

In today's contemporary living, optimizing efficiency and sustainability is crucial. Laundry is a routine task that we all engage in regularly. Laundry services play a significant role in our daily lives, and our goal is to improve this experience.

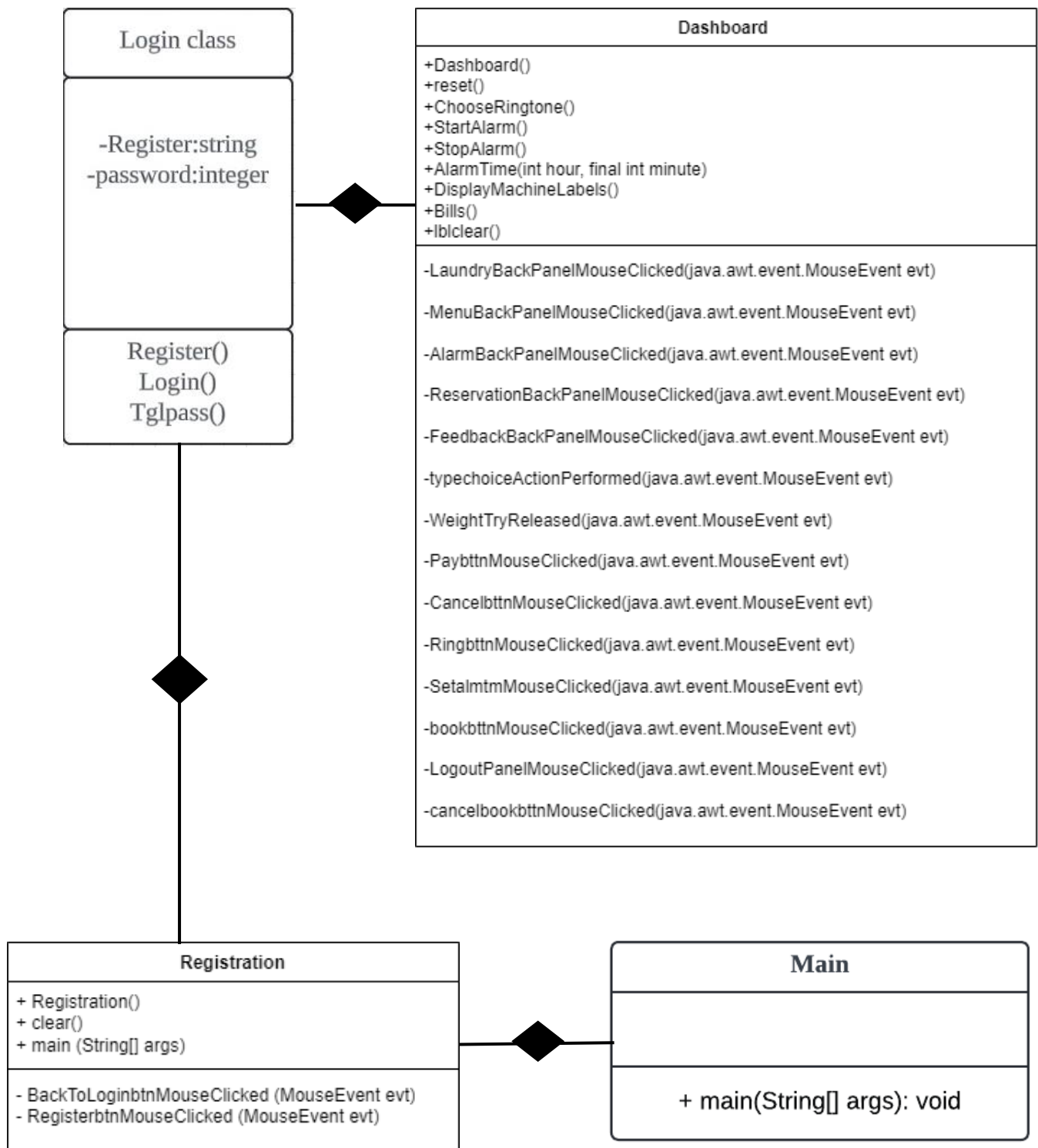
Our user-friendly and hassle-free laundry service system provides a convenient experience for users' laundry chores. This laundry system allows users to directly set the timer for the cycle through our application with variety of ringtones to choose from, removing the need to set the timer on a separate app. Our system allows users to easily choose the type of service they need, whether it is a washer, dryer, or both, with just one click. Additionally, it also includes the reservation feature where users can book our service in advance, saving them valuable time. This enables them to efficiently handle and plan their laundry around their busy schedule. Once the user reserves the machine for their laundry, the receipt is printed as proof of their reservation on the chosen date.

PROBLEM STATEMENT

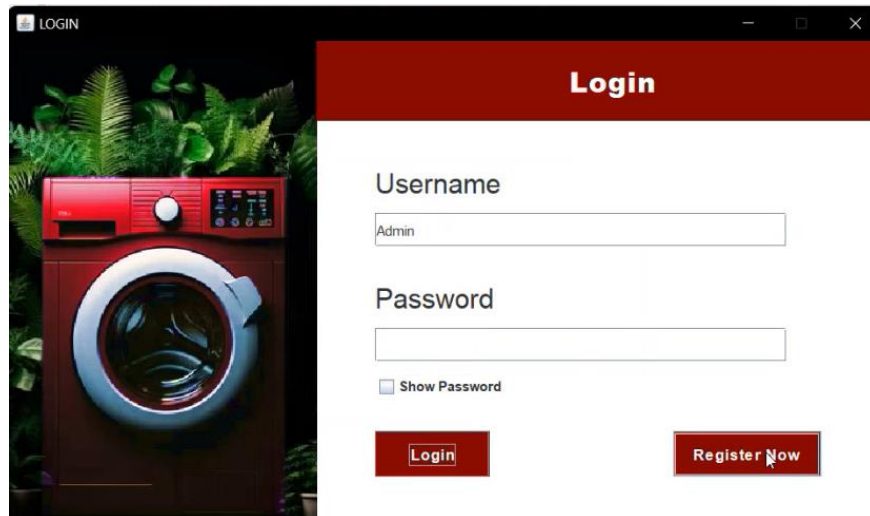
In traditional laundry facilities, users find it inefficient and cumbersome to find the time to do laundry as it disrupts their daily routines. Current systems require users to physically check for vacant machines which often time can be stressful after finding out all are occupied, leading to waste of time. Moreover, having to set time on a separate app often time cause users to forget to set, which consequently causes potential delays for other users, leading to further inconvenience.

OBJECTIVES

- Enable users to select washing or drying or both services
- Display total price users must pay
- Incorporate an alarm setter feature to display and monitor cycle durations
- Simplify user interaction by eliminating the need to set the timer on a separate application
- Enable users to place reservations to do their laundry at their availability and convenience
- Print receipt of users' reservation as proof that the machine is reserved on a certain date
- Have a QR code for future improvements and users' satisfaction

UML SKETCH

GUI



LOGIN

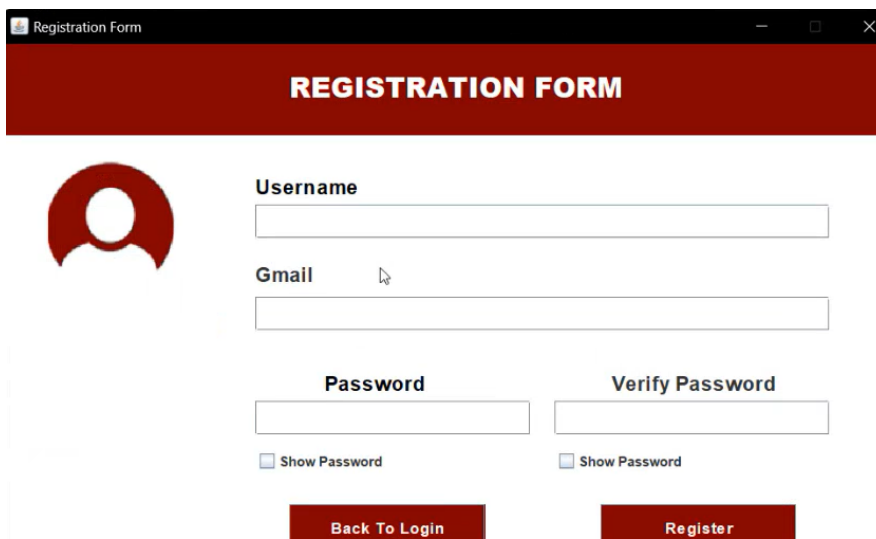
Username

Admin


Password

☐ Show Password

Login **Register Now**



REGISTRATION FORM



Username

Gmail

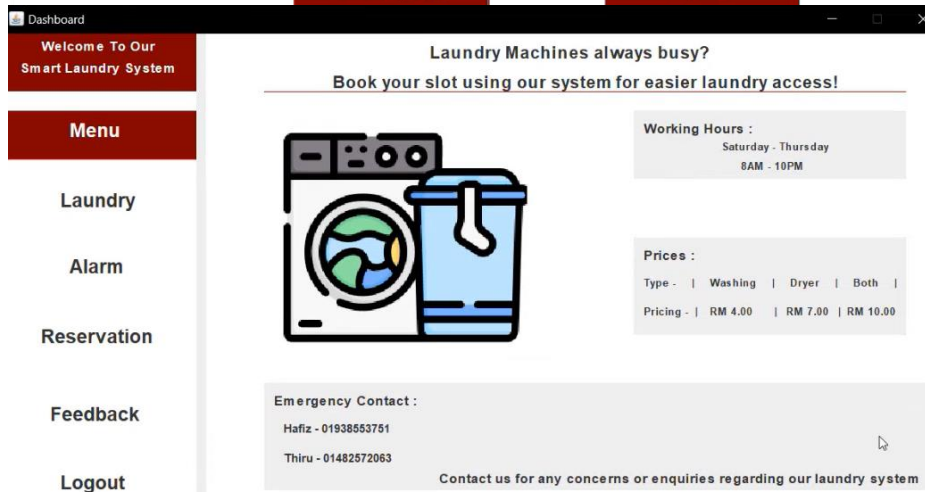
Password

☐ Show Password

Verify Password

☐ Show Password

Back To Login **Register**



Dashboard


Welcome To Our Smart Laundry System

Menu

- Laundry
- Alarm
- Reservation
- Feedback
- Logout

Laundry Machines always busy?

Book your slot using our system for easier laundry access!



Working Hours :
Saturday - Thursday
8AM - 10PM

Prices :

Type -	Washing	Dryer	Both
Pricing -	RM 4.00	RM 7.00	RM 10.00

Emergency Contact :
Hafiz - 01938553751
Thiru - 01482572063

Contact us for any concerns or enquiries regarding our laundry system

Dashboard
Welcome To Our
Smart Laundry System

Menu
Laundry
Alarm
Reservation
Feedback
Logout

Smart Laundry System

Type : Wash & Dry

Price(RM) : 10

Weight(KG) :


Total Price(RM) :

Payment :

Pay
Cancel

Prices :

Type -	Washing	Dryer	Both
Pricing -	RM 4.00	RM 7.00	RM 10.00



Dashboard
Welcome To Our
Smart Laundry System

Menu
Laundry
Alarm
Reservation
Feedback
Logout

Alarm Clock

09:47:52

Minute : Hour

Timer 09 : 46

Ringtone : None selected

Ringtone
Set Alarm

Dashboard
Welcome To Our Smart Laundry System
Menu
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Feedback
Logout

Laundry Reservation

Customer :
Admin

Washing Machine :
1 2 3 4 5 6
7 8 9 10 11 12

Price :
50

BOOK CANCEL

July 2024

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Dashboard
Welcome To Our Smart Laundry System
Menu
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Logout

Feedback


Welcome to our feedback section and in order for us to provide a better service to our customers, we require feedback as to how we may improve our current system.

Thank you for using our system!

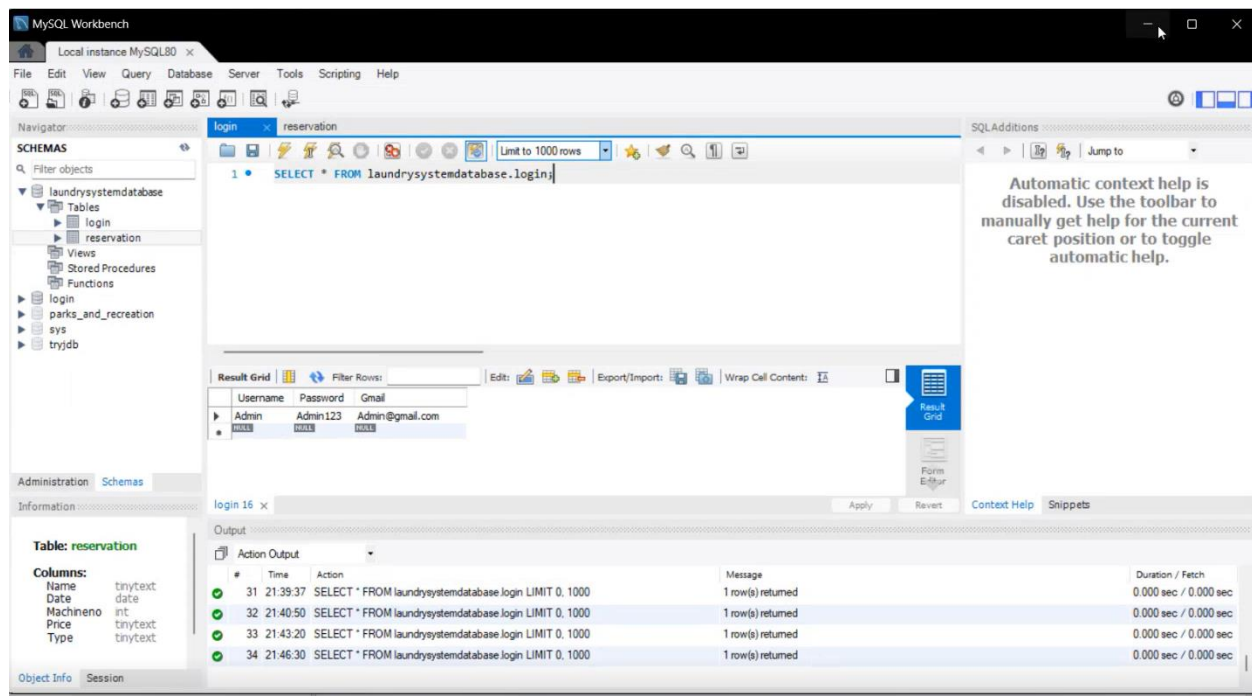
Logout

Are you sure you want to logout

Yes No



DATABASE



CONCLUSION

This real-time laundry system represents a significant advancement in modern convenience and efficiency. Our system aims to transform the laundry experience by enabling users to do their laundry as effortlessly as possible. With our user-friendly interface, the system simplifies users' interaction, making navigation on the app such as reserving a machine seamless. It enhances user satisfaction and ensures timely and convenient access to laundry facilities. This laundry system is specially designed to provide hassle-free and reliable laundry management as part of users' regular routine.