
**USER MANUAL
(AUTOMATIC LAUNDRY SYSTEM)**

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Revision History

Revision	Date	Author(s)	Description
1.0	01.10.2019		Chapter 1,Chapter 2

Chapter 1

Introduction

To make ironing, folding and packaging easier and for saving time an automatic laundry system has been designed. In automatic laundry system ironing, folding and packaging have been integrated for cloths as well as a vending mechanism and mobile application for the user. Vending machine will scan a QR code which will be created by application. The QR code will contain the necessary user information as well as the balance information. Then it will check in the database for authentication and verification. A payment system will be included so that it can be used in the industry. The whole system will be considered as a single automated system where the user will only place the cloth in the tray and the user will get the cloth in a packet with a proper ironing.

1.1 Aim

- Make the laundry system automatic integrated with ironing, folding and packaging.
- Reduce the time it takes to do the task manually by human being.
- Design a cost effective way to do this automatic system.

1.2 Target User

- Home User.
- Garments Industry.
- Laundry Shop.

1.3 Features

- Automatic Ironing system.
- Automatic Folding system.
- Automatic Packaging system.
- Vending mechanism.

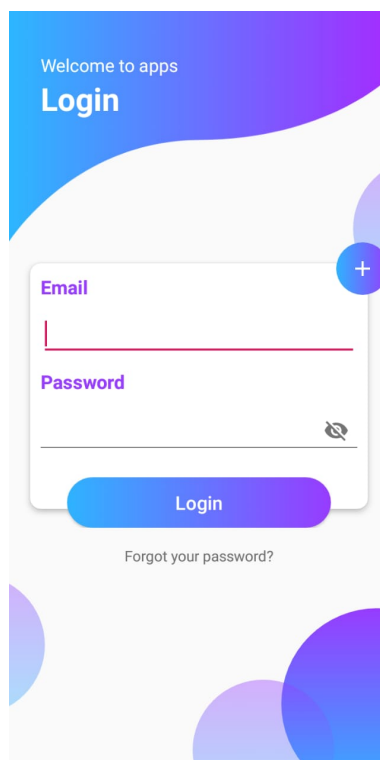
- Payment system.
- User mobile application.
- Maintaining database.

Chapter 2

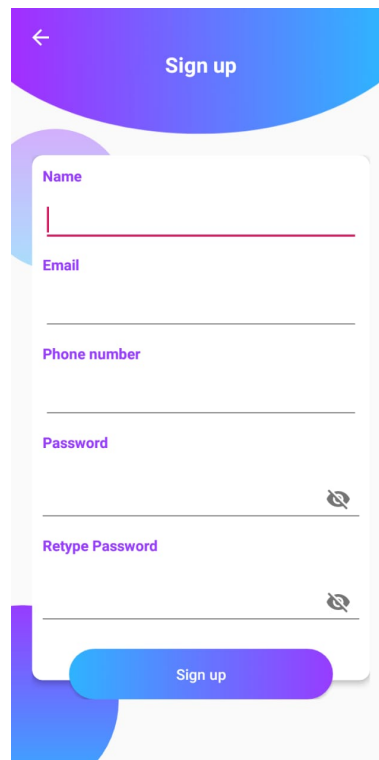
System Use

2.1 Registration

STEP 1: Click on the "+" button

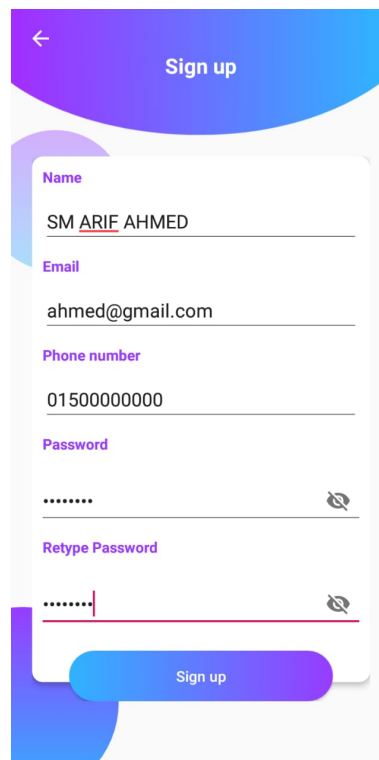


STEP 2: Fill up the necessary information

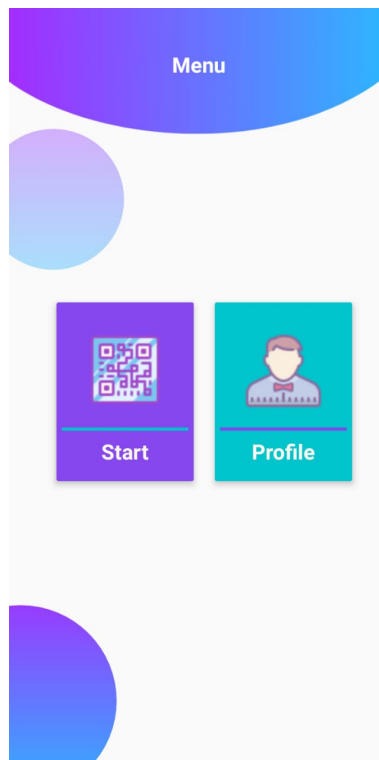
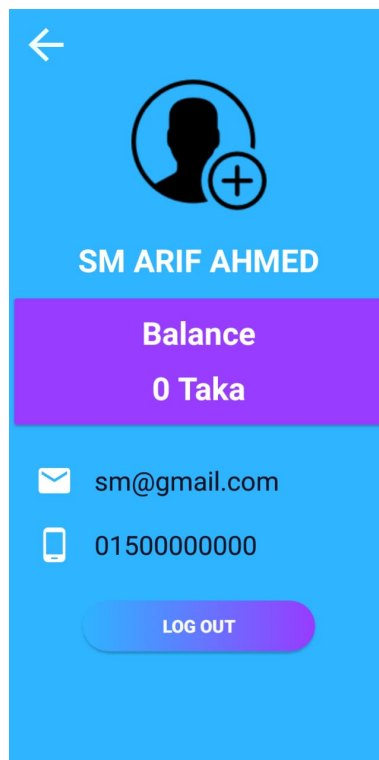


A mobile app interface for a sign-up screen. At the top is a blue header with a white back arrow and the text "Sign up". Below the header is a white form with rounded corners. The form contains five input fields, each with a label above it: "Name", "Email", "Phone number", "Password", and "Retype Password". The "Password" and "Retype Password" fields have a small eye icon to the right of the input area. At the bottom of the form is a blue button with the text "Sign up".

STEP 3: Click on the "Sign Up" button

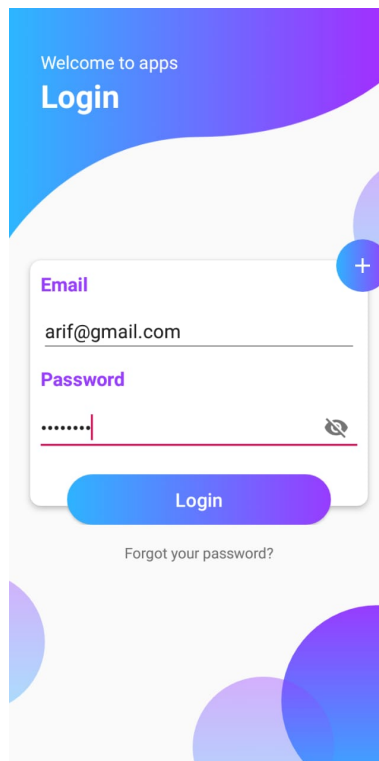


The same mobile app interface as in the previous image, but now the form fields are filled with text. The "Name" field contains "SM ARIF AHMED", the "Email" field contains "ahmed@gmail.com", the "Phone number" field contains "01500000000", the "Password" field contains "*****", and the "Retype Password" field contains "*****". The blue "Sign up" button remains at the bottom.

STEP 4: Registration Complete*STEP 5: Click on the "Profile" button to see user information*

2.2 System Use

STEP 1: Type user name and password and click on "Login" button



The image shows a mobile application login screen. At the top, there is a blue and purple gradient header with the text "Welcome to apps" and "Login". Below the header, there is a white login form with a blue "+" icon in the top right corner. The form contains two input fields: "Email" with the text "arif@gmail.com" and "Password" with masked characters ".....". A blue "Login" button is positioned below the password field. At the bottom of the form, there is a link that says "Forgot your password?". The background of the screen is light gray with abstract blue and purple circular shapes.

Welcome to apps
Login

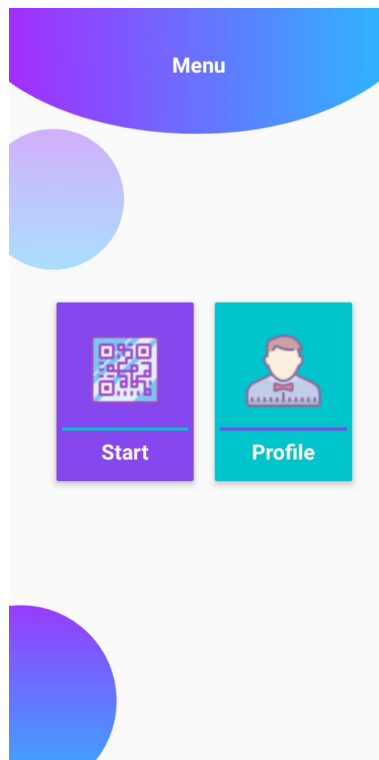
Email
arif@gmail.com

Password
.....

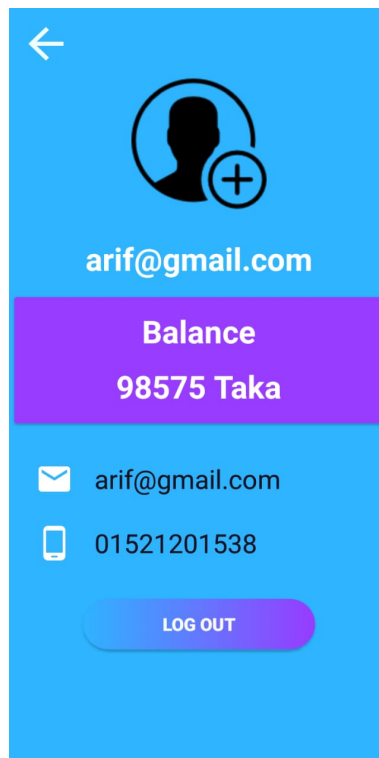
Login

[Forgot your password?](#)

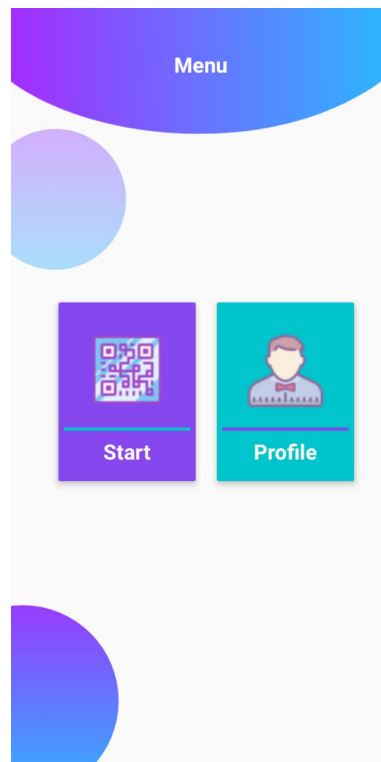
STEP 2: Click on the "Profile" button



STEP 3: Check Balance and click on the "back" button

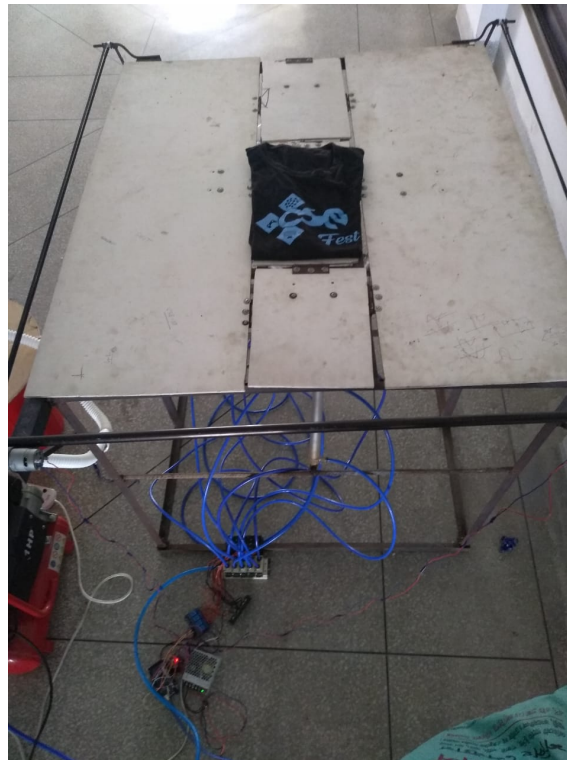


STEP 4: Click on the "start" button



STEP 5: Place the shirt on the tray



STEP 6: Scan the QR code*STEP 7: Process Complete*

Chapter 3

Safety and Security

3.1 Safety

- Online database is used to avoid physical database failure.
- Complex circuitry are not visible to the normal user to avoid any harm to the normal user.
- All ac current supply is handled properly to avoid accidents.

3.2 Security

- System will use secure database.
- Normal users can just read information but they cannot edit or modify anything except their personal and some other information.
- System will have different types of user and every user has access constraints.
- Payment method will be done only by the authorized person.
- All network transactions that involve financial information or personally identifiable information shall be encrypted.
- Users shall be required to log in to the system for all operations.