**Abstract:**

There are routine and important things we do in our lives, including washing clothes, as you often go to the laundry store at the end of each week and then pick them up at the end of the day. there are many problems that you will face. So this project will undoubtedly save customers time.

**1. Introduction:**

 We gathered that there is a need critical need for a technically supported laundry application. The idea of our application's concept is to provide dedicated lockers for each apartment building. Laundry Lockers is an application that offers laundry services and delivery options across Saudi Arabia. Our goal is to provide all amenities to the customer, so in order to achieve that we provide some good features in our project. First of all, Users can find the app on any operating system, such as Android or iOS by searching for (Laundry Lockers) and then download it from the App Store or Google Play Store after downloading the app Users may view the services by the filter feature like category, price, time. And add their desired. to do either of these functions, users must register to our system by their email or phone number for the first time, then they will be able to log in and out in future visits to our system with the same e-mail or phone number and password. If the user wants to proceed to checkout, they will have to enter their address and phone number and in order to make our users satisfied and happy with our service we established good optional services which are select the appropriate time to receive the order, Determine the size of the locker and the express delivery service.

**2. Background Information & Related Work:**

One Application that we looked out for during our disgning process were Qleanapp [1].

Qleanapp had a great idea but failed on the interface. Their interface was difficult to use and occasionally lagged. This greatly helped us in developing our app so that we do not actually meet the same issue in our app.

**3. User Interface, Implementation and Testing:**

**a. User Interface:** According to the results of a user survey, bright colors are preferred for user interfaces. Our app's interface features a light blue background, a white button, and purple text, all designed using Protoio [2]. Furthermore, the hue gradient was quite user-friendly. We also made the process of locating buttons and executing tasks more simpler [3].

**b. Give a snapshot of main input & output screens showing the main system functionality**

**describe the implementation process. Define the modules, interfaces, and** [**data**](http://en.wikipedia.org/wiki/Data) **of the** [**project**](http://en.wikipedia.org/wiki/System)**:**

Graphical user interface, application

Description automatically generated

This window, actions are sign in or sign up and we are using a clear instruction style such as buttons, labeled.

Our sign in flow requires only:

1-the email address/phone

2-password to be submitted

In the same interface have a button "Forget password “because it is a popular issue is lost password, so we sites email an encrypted token (called a password reset code) which allows the recipients to enter a new password, after user write his/her email in text box instruction style.

Graphical user interface

Description automatically generated

Signup flow requires

1-username.

2-the email address/phone.

3-password and confirm password.

when the user click in sign up it will means automatically agreement to our privacy policy and terms & condition.

Graphical user interface, application, Teams

Description automatically generated

We arranged the left slide icons according to frequency of use and we used icons, because It's fun and innovative widgets that make our app more attractive to look at and help communicate content better. User can go to the specific page through click into icon page.

**For example, if user click into dashboard icon will display:**

Graphical user interface, application

Description automatically generated

Dashboard page it is like your personal information that contains your Address and profile picture, etc..

A picture containing text, screenshot, iPod

Description automatically generated

Checkout interface is a key step. Displays data of order such as price and address, if correct, click to confirm order.

A screenshot of a cell phone

Description automatically generated with medium confidence

In payment interface the payment methods given many options to pay such as cash on delivery (COD) or through a credit card or apple pay and tamara. Just user need to click one of them will show a message that the request has been successful.

A picture containing text, iPod, screenshot, cellphone

Description automatically generated

Status of order divided into four statuses, the order status page contains pictures to clarify the situation and a simplified explanation of it.

to move next slide just touch the picture.

Graphical user interface, application, Teams

Description automatically generated

The orders tracking page to show review current or previous orders and to request a new order. There is a button to contact the worker to help.

**c. Results have to be tested for correctness**: We performed system usability testing with 5 different participants, and the most of of them found the app to be simple to use because it took little time to register an account or access their accounts, the subscription process took little time, the size of lockers, subscription duration, and payment process were all clear, they had trouble tracking their orders, and their suggestions were taken into account to continue to improve the app. As a result, our system's effectiveness is demonstrated by the results.​

**4. Conclusions:**

1. We hope with this application we can make our user’s lives more convenient and easier to manage. Looking to the future, we aim to make more locations available and to make delivery teams. Over the years, we will diligently keep improving our application with given user feedback.

**5. References:**

1. [QleanApp](https://www.qleanapp.com/)
2. [Protoio](https://proto.io/)
3. [Protoio Toutorials](https://www.youtube.com/channel/UCOA-euTCshrjdgFQRW7htJg)

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