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Multi-Store Fab Care Laundry System with Mobile Application

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ABSTRACT-With the current rapid development of technology, many services need redesigning in order to keep up with customer demands. Therefore, organizations nowadays are looking into redesigning services and business processes in order to maintain their competitiveness and success. With the recent advancement evolved in smartphone proficiency, and their growing insight rate among individuals, organizations intend to take advantage of these devices by designing mobile applications to help evolve their business. The start-up of the laundry business is one of the province which has great opportunity for further development. Turning the regular routine of laundry into a service accessible through a mobile application will contribute to reducing the burden of laundry tasks on individuals will reduce the manual effort and one can invest their laundry time to do their essential work.

KEYWORDS: laundry app, redesigning services, start-up, development, technology

I. INTRODUCTION

Multi-Store Fab Care with mobile Application consists of various options of washing sections like wash , dry wash , clean wash , stain removal and so on. Similar there are various options for iron section like steam, deep press, and light press. We provide our customers different things after washing followed by press and fold. Here, we provide a great opportunity for the customers as it is android application so all the work is computerized. The main motive of our project is to provide more comfort to our customers with contact less delivery. The special feature of our project is that firstly it requires no paperwork and all process in customized. We also provide drop up and pickup options in our Multi-Store Fab Care Laundry.

Multi-store fab care system with mobile application is basically a Laundromat. Currently, laundry stores use a manual system for the management and maintenance of records partially aided by the file-based approach. The existing system requires a lot of paper work at different levels within the business. Records are often misplaced, hard to retrieve, update and generally maintain. Information may be redundant as each department may have to have a copy of the same records filed separately. Why would anybody spare their time washing clothes as well as ironing the cloth over a weekend when they can utilise the time doing things they love? this very motivational thought gave rise multi store fab care laundry mobile app. so, if you are looking forward to building a dry cleaning mobile app or want to get a laundry app developed, using a website or an app, a customer places an order for laundry.

II. RELATED WORK

The Multi-Store fab Care with Mobile application is related to computer technology and has adversely made an immense change in this system. The main purpose of this project “**Multi-Store Fab Care Laundry System with Mobile Application**” is to provide door-step delivery to the customers and to make contactless payments available with today’s emerging technology. As the customer can easily place their order and select their laundry options according to their choice need, this project makes sure that we provide all the laundry facilities to the customer’s without actually visiting the laundry store. This Laundry Application of ours is just one a step ahead to all the laundries out there as we provide all the options digitally to our customers and make their work effortless.

III. METHODOLOGY

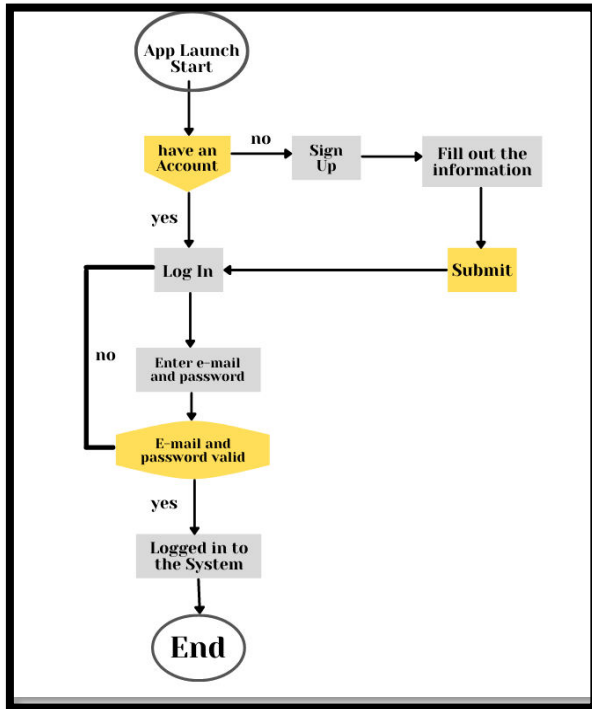


Fig.1: Login Flowchart

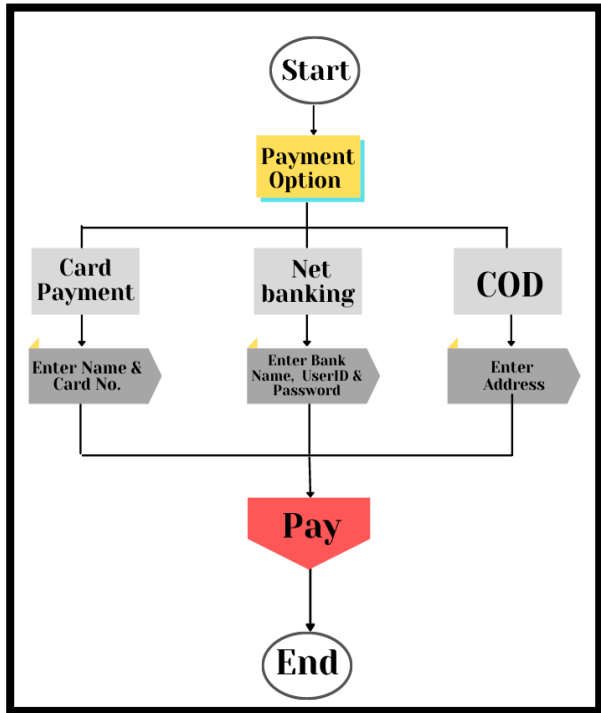


Fig.2: Payment Flowchart

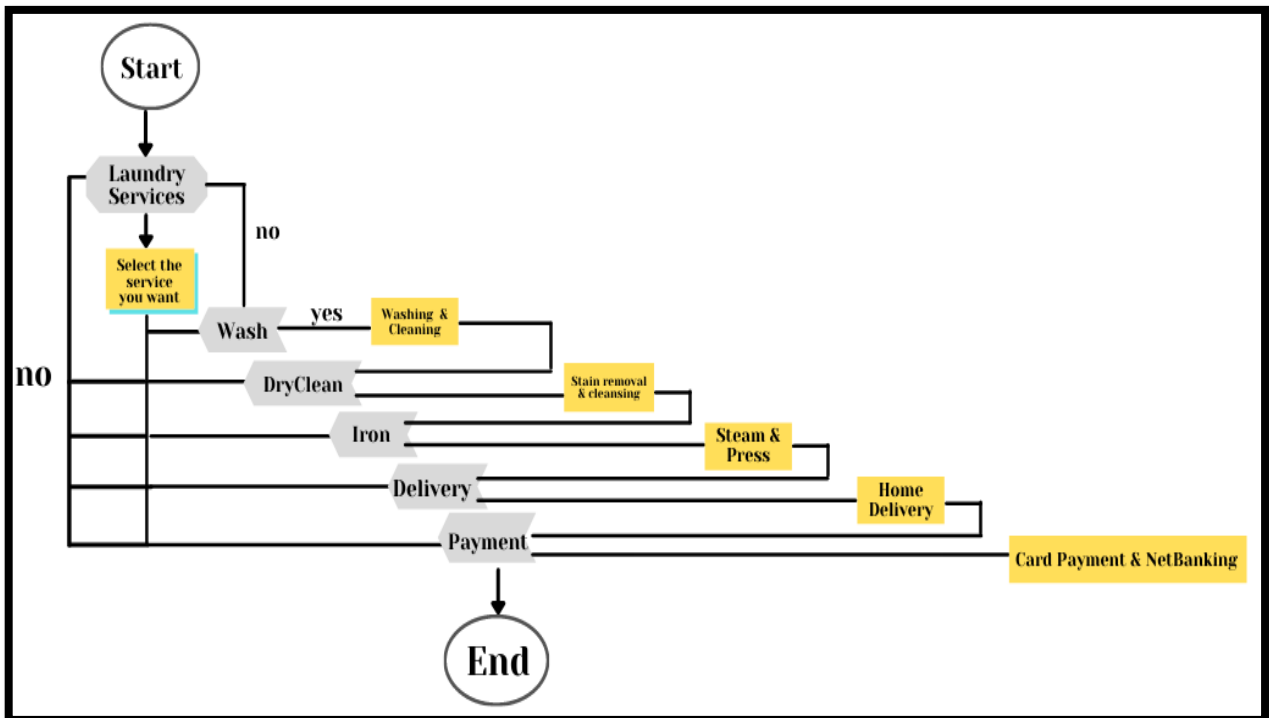


Fig.3: Services Flowchart

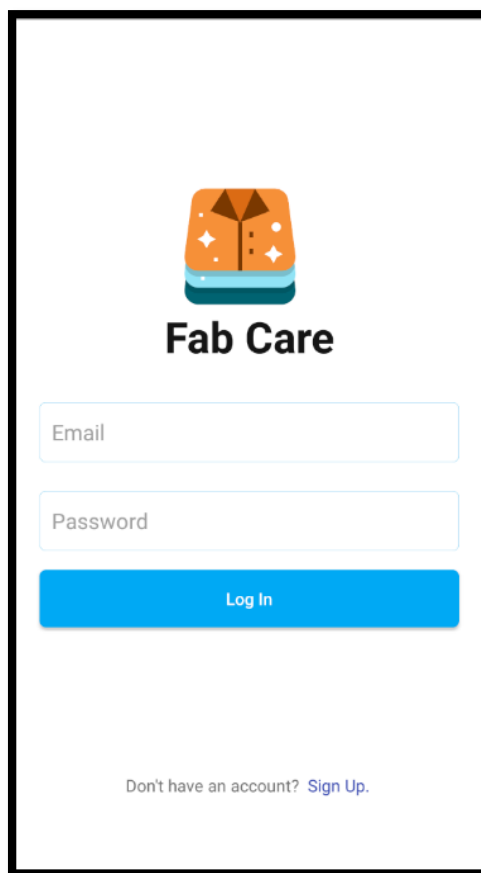
(a) System Architecture

A “Multi-Store Fab Care Laundry System with Mobile Application” offers you more exciting offers and online laundry option with various payment and delivery options. This laundry application provides you a complete package of laundry services for all types of fabrics. The application has all kinds of the services available at much affordable prices and one can easily handle it. This “Multi-Store Fab Care Laundry System with Mobile Application” makes sure that all your orders are placed on time without including any shipping charges. It also makes sure that all your fabrics are handled with gentle care and without any damage to the order. We have also provided the confirmation E-mails so that we have better communication with the customer which will gain trust between our customers.

IV. ANALYSIS OF THE EXISTING SYSTEM

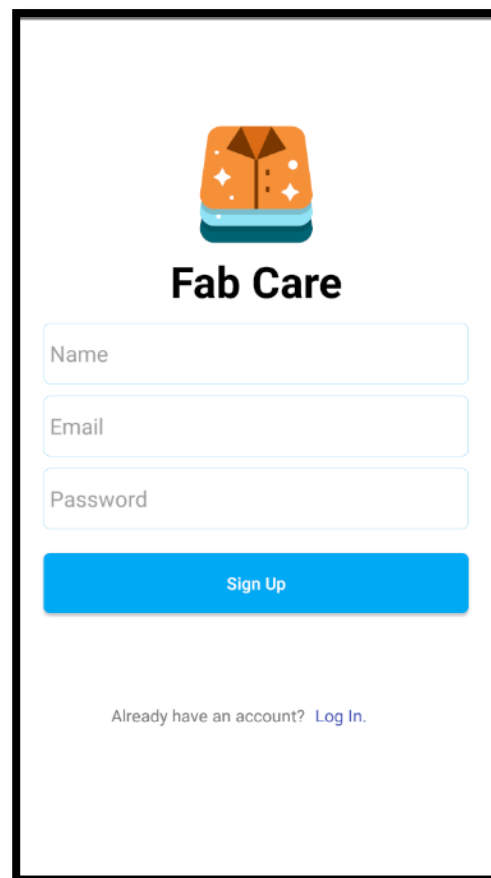
The current system operates manual laundry app, from services, and managing customer’s record etc. recorded in a book. This is faced with errors, incompleteness, and insufficient data for analysis. Information regarding services of the laundry are still in black and white which is not properly organized and managed. From the staffs to customer bills, receipts of services are recorded in a book but further operations are not being properly handled. As a result it is difficult in processing, updating and managing.

V. EXPERIMENTAL RESULTS



The login page features the Fab Care logo at the top, which consists of a stylized orange and blue icon. Below the logo, the text "Fab Care" is displayed. The page contains two input fields: "Email" and "Password". A blue "Log In" button is positioned below the password field. At the bottom, there is a link that says "Don't have an account? Sign Up."

Fig (1).Login Page



The signup page features the Fab Care logo at the top, which consists of a stylized orange and blue icon. Below the logo, the text "Fab Care" is displayed. The page contains three input fields: "Name", "Email", and "Password". A blue "Sign Up" button is positioned below the password field. At the bottom, there is a link that says "Already have an account? Log In."

Fig(2).Signup Page

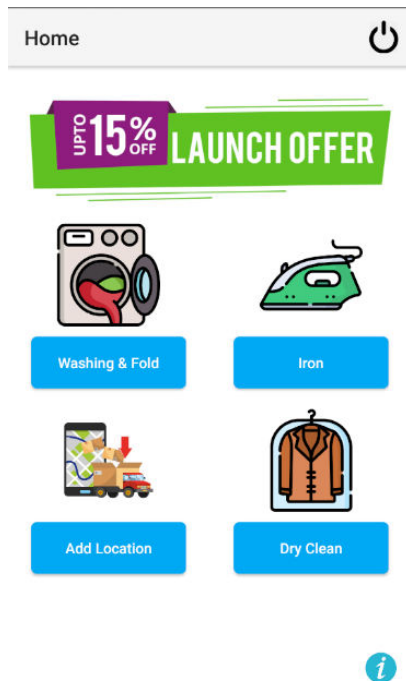


Fig (3). Home Page

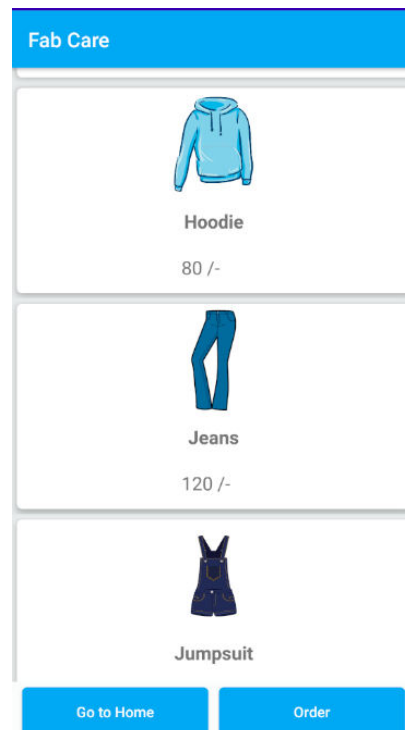


Fig (4). Washing Section Page

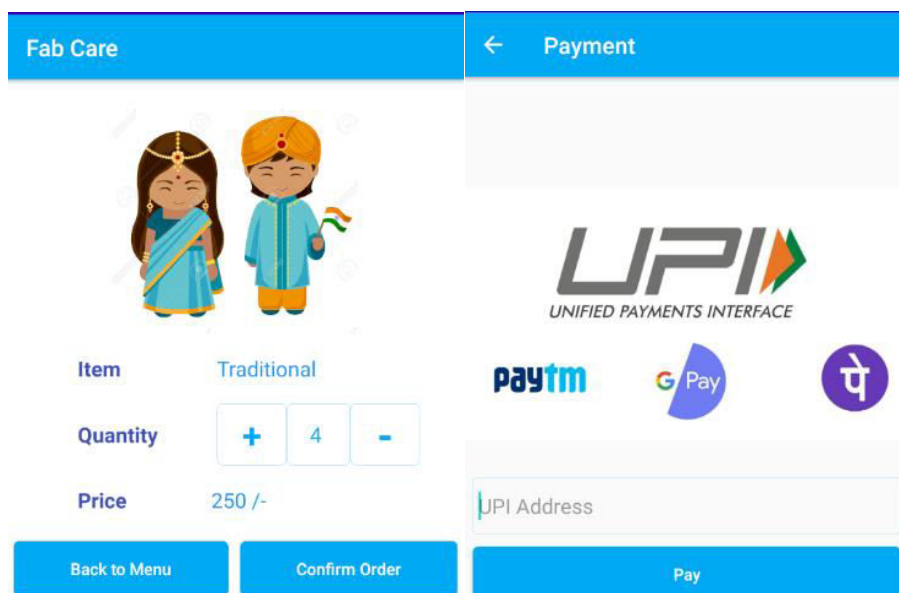


Fig (5). Oder Page

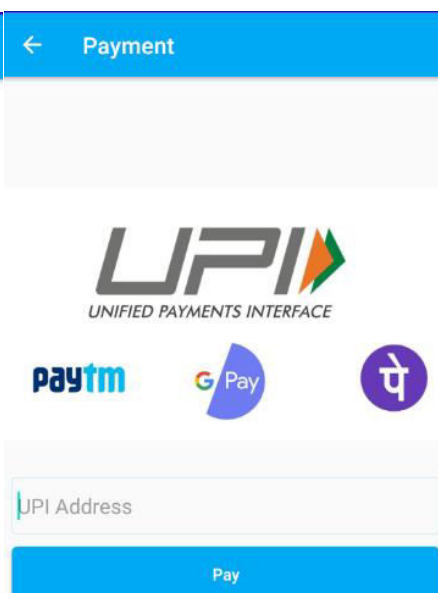


Fig (6). Payment Page

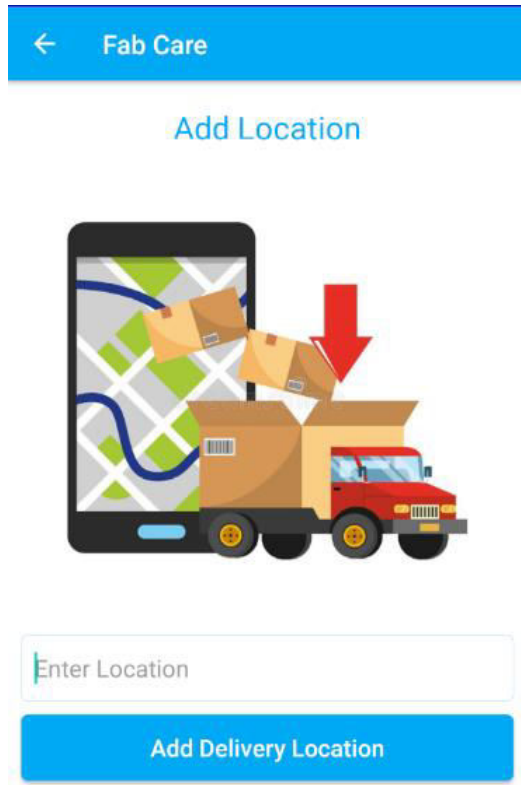


Fig (7). Location Page

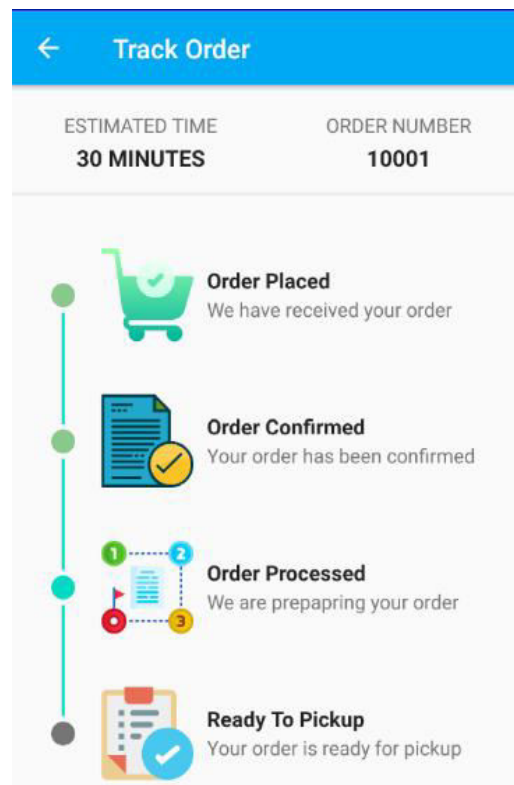


Fig (8). Track Order Page

VI. CONCLUSION

In conclusion, Laundry Management System has to do with making appropriate effort to stop the rising problem to all manual laundry operation in order to enhance the operation of such laundry. In this project, the software or system that can be used to aid all laundries that is still operating manually have been successfully developed. The software can be implementing in all types of laundry. The software has a large memory of storing all the services in the laundry. It has been a great pleasure for me to work on this exciting and challenging project. This project proved good for us as it provided practical knowledge of not only programming in Android Studio, Java, Firebase, based application and also about all handling procedure related with "LAUNDRY DATABASE MANAGEMENT SYSTEM". It also provides knowledge about the latest technology used in developing application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in developing projects independently.

The application is useful for maintaining organization in computerized way. It contains some limitation which we would like to enhance it in our next tasks and try to overcome them.

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