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GROUP PROJECT

TechCare



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## 1.0 GROUP NAME & LOGO

Company Name: TechCare



### Company Logo:

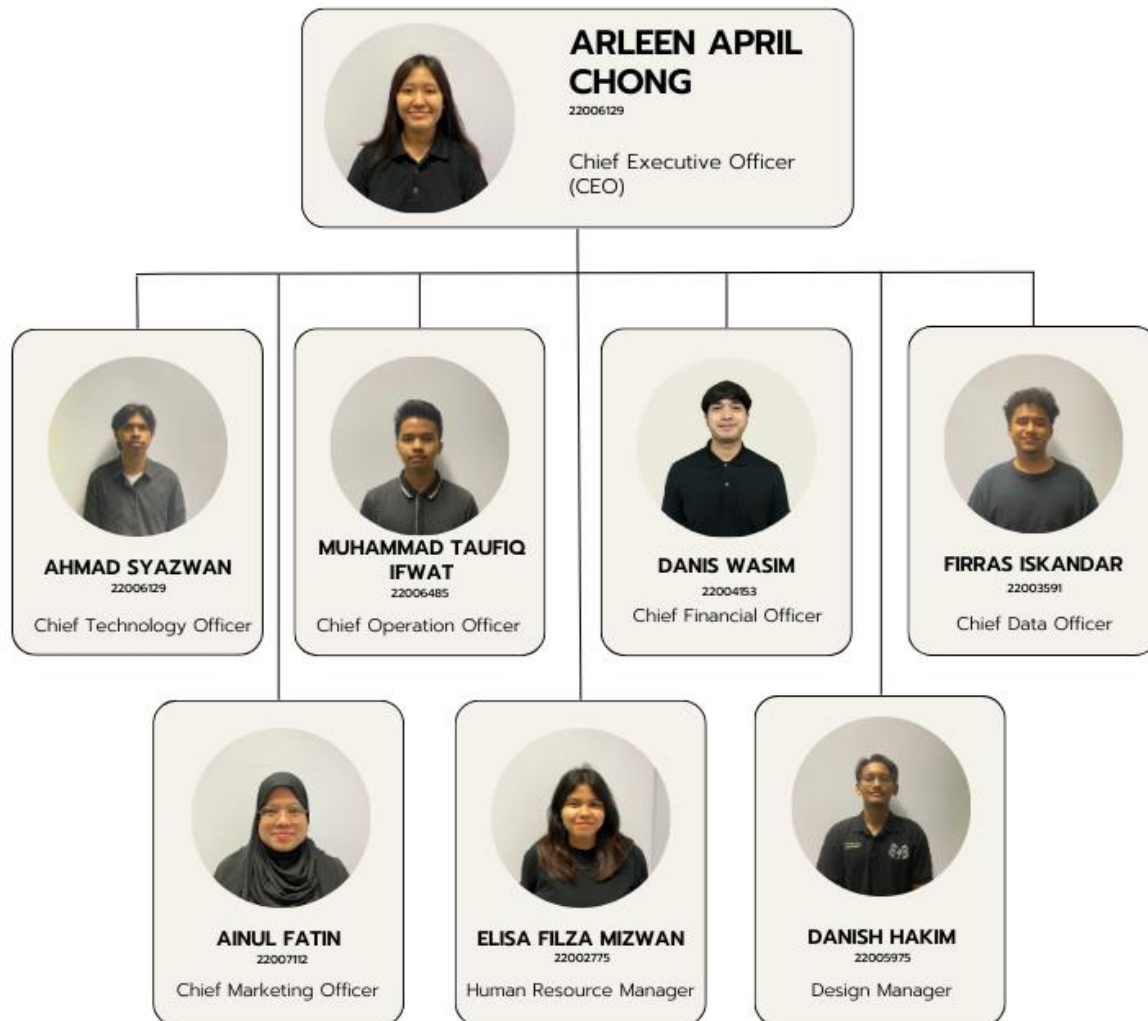
TechCare is your go-to healthcare website and your one-stop-shop for all things pharmaceutical information. The company name is a combination of the term technology and healthcare. The term "technology" comes from our company, which harnesses technological breakthroughs to increase productivity, deliver creative solutions and improve patient care. Thanks to technology, you can buy nutritional supplements online and have them delivered directly to your home. Meanwhile, at TechCare, "care" is an important part of the organization's identity and mission. This reflects TechCare's commitment to fostering a culture of empathy, support and one-on-one care, and our primary focus on providing quality, convenient care to our customers. In general, the name describes how his TechCare caters to public needs.

The use of the heartbeat in our logo is widely recognized as a symbol of life and vitality. It symbolizes the pulsation and life of the human body. It serves as a powerful visual reminder of the company's connection to healthcare.

Finally, the colour scheme of the logo reinforces the association between pharmacy and health. Warmth, safety, and healing are often associated with the colours peach and red. It conveys a sense of accessibility and friendliness consistent with the company's commitment to customer service.

## 2.0 ORGANIZATION CHART

# TECHCARE



### 3.0 PROJECT DESCRIPTION

#### 3.1 BACKGROUND OF STUDY

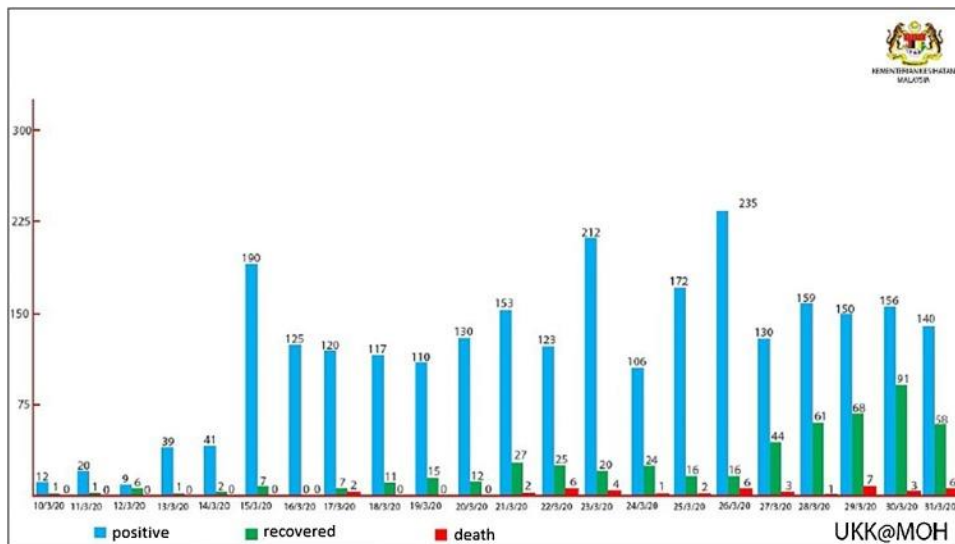
Healthcare is an essential component of every country's infrastructure, playing a critical part in the well-being and prosperity of its population. It includes a broad variety of services designed to advance, preserve, and restore public health. Accessible and effective healthcare is essential for several reasons.

##### 3.1.1. Large Pharmaceutical Manufacturing

Based on the Malaysia Health System Review that was published in 2012 from the World Health Organization (WHO), Malaysia has a large pharmaceutical manufacturing sector that exports to other countries and supplies 30% of domestic demand. As of that, Pharmacists' roles have been expanding around the globe in recent years, and in Malaysia, they play a crucial role in providing pharmaceutical care to patients. A qualitative study with Malaysian hospital pharmacists and patients identified potential factors of patient-centred care (PCC) that may influence its implementation in pharmacist consultations. These factors include patient-related factors, pharmacist-related factors, and healthcare institutional and system-related factors.

##### 3.1.2. Efforts of government in implementing health system

Besides that, the healthcare system in Malaysia faces challenges such as inadequate funding, shortage of healthcare professionals, and uneven distribution of healthcare resources. Efforts of government in implementing health system reform to improve the quality and accessibility of healthcare services was crucial for the benefit of the country. In a more recent study in 2019, "Malaysia Health System Review: Overviews and Opinions" from the International Journal of Health Administration and Education Congress, discussed the strengths and weaknesses of the healthcare system, including the need for more investment in healthcare infrastructure, addressing health inequities, and improving the quality of healthcare services. There is a need for continued efforts to improve the healthcare system in Malaysia, including increasing access to healthcare services, improving the quality of care, and addressing health inequities.



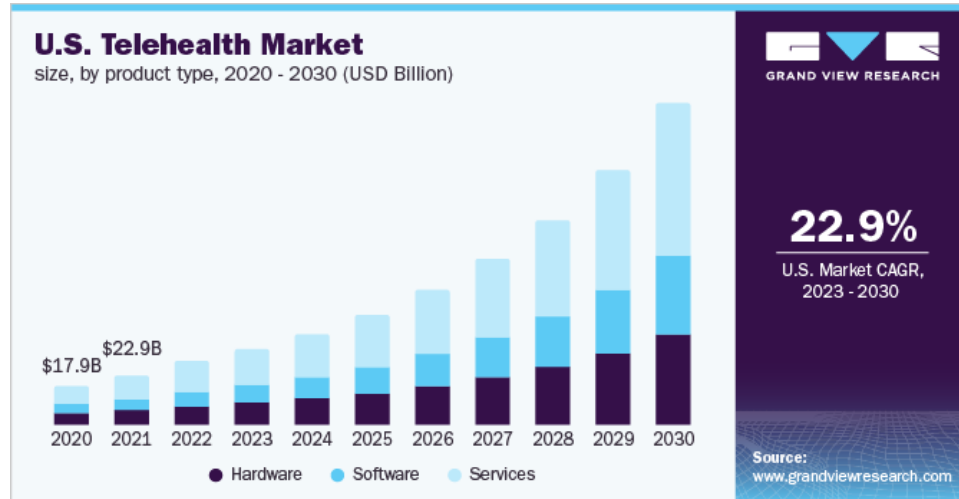
(Majid, M. I. A., Ahmad, R., Johan, M. R., & Ismail, I. S. (2020). COVID-19 outbreak in Malaysia: Actions taken by the Malaysian government. *The Malaysian Journal of Medical Sciences: MJMS*, 27(2), 63–69.)

### 3.1.3. Importance of accessible and convenient healthcare solutions

As of 2019, The COVID-19 global pandemic has highlighted the critical importance of accessible and convenient healthcare solutions. The World Health Organization (WHO) reported that healthcare systems in several countries experienced significant strain during the pandemic, leading to delays in non-emergency care with restrictions on movement and social distancing measures leading to longer wait times and reduced access to transportation. Individuals often face prolonged wait times when obtaining supplements or over-the-counter medications from a physical pharmacy, which can hinder timely access to necessary healthcare products. According to a survey conducted by the National Community Pharmacists Association (NCPA) in 2020, 58% of respondents reported experiencing wait times of 15 minutes or longer at their local pharmacy. The same survey revealed that 28% of respondents reported waiting for more than 30 minutes to receive their medications.

Furthermore, limitations of access to healthcare services and the inconvenience of traditional in-person consultations in Malaysia can prevent individuals from seeking timely medical assistance. A study published in the *Journal of the American Medical Association (JAMA)* reported that individuals in rural areas travel an average of 25.1 minutes to reach a primary care provider, compared to 5.6 minutes for individuals in urban areas.

#### 3.1.4. Telemedicine Potentials



(Telehealth Market Size, Share, Growth & Trends Report, 2030. (n.d.). Telehealth Market Size, Share, Growth & Trends Report, 2030)

According to the American Telemedicine Association, patients may save an average of 3.7 hours each visit by using telemedicine. A medical problem-solving web software can offer 24/7 accessibility to healthcare services, removing regional constraints and minimizing the need for in-person visits. Users may quickly get medical advice, make appointments, view their medical information, and get prescriptions or referrals, which increases access to healthcare and enhances user experiences in general.

#### 3.1.5. Healthcare system challenges in Malaysia

According to an evaluation of the Malaysian healthcare system, there are continuous initiatives to enhance healthcare finance and increase access to healthcare services, and healthcare spending in Malaysia is considered cheap when compared to other nations in the area. Malaysia's national healthcare spending was around 4.6 percent of GDP in 2015 but fell to 3.6 percent in 2018, according to the International Journal of Health Administration and Education Congress. There is a need for additional measures to enhance healthcare finance systems and increase access to healthcare services, even if the Malaysian government has taken moves to phase out subsidised healthcare for non-citizens and encourage preventative care and healthy lifestyles.



## Conclusion

To curb the problems regarding healthcare, our company has developed a software called TechCare which aims to take care of the nation's well-being. Our company, TechCare, is a public company where we provide a platform for many medical purposes. This includes, being able to deliver supplements to those with prescriptions and to assist online consultation with certified doctors with the tip of their fingers. Other than that, our system features convenience for customers to find what they are looking for without wasting time physically surveying their local pharmacies. For instance, our software enables customers to filter what they are finding for. Furthermore, our website supports the country's medical related finances through donations and at the same time able to educate the people on their curiosities regarding diseases with its symptoms.

The main objective of TechCare is to improve the country's patient care, enhance efficiency, and offer innovative solutions to traditional problems. Our company, TechCare, is led by Arleen April Chong as Chief Executive Officer (CEO). Our Chief Financial Officer (CFO) is Danis Wasim while the Chief Technology Officer (CTO) is Ahmad Syazwan. The Chief Operating Officer (COO) of our company is Muhammad Taufiq Ifwat, whereas the Chief Marketing Officer (CMO) is Ainul Fatin. Human Resource Manager (HRM) is managed by Elisa Filza Mizwan, Firras Iskandar as our Chief Data Officer (CDO), and lastly, Danish Hakim as our Design Manager.

### 3.2 PROBLEM STATEMENT

A good healthcare system is essential to a nation's daily life. Malaysia's health sector has faced many limitations that were truly highlighted before, during, and after effect of the COVID-19 era. The problem addressed in the following is the need for an online platform to overcome the barriers in the healthcare sector.

#### 3.2.1. Long Wait Time to Obtain Supplements from a Pharmacy

Individuals often face prolonged wait times when obtaining supplements or over-the-counter medications from physical pharmacies. In this case, Individuals also spend time around the pharmacy to find what they need and if the said pharmacy does not have their required item, they must survey other pharmacies too. At busy times, they need to queue for some time to get their prescribed medications. From another point of view, those with transport troubles would need to struggle and spend time to find ways to arrive at the pharmacy or for a consultation.

#### 3.2.2. Limited Accessibility and Convenience to healthcare-related matter

Limited access to healthcare services and the inconvenience of traditional in-person consultations prevent individuals from seeking timely medical assistance. Rural areas face greater challenges in accessing primary care providers compared to urban areas. It is also known that some areas in Malaysia lacks professionals that citizens could refer to physically for their medical issues.

#### 3.2.3. Lack of financial support

Everyone deserves the healthcare they need to survive though few are fortunate enough to receive the same treatment as others due to financial circumstances without the means to pay for medical expenses, people may delay or forego necessary treatments, preventive care, or regular check-ups. This can result in undiagnosed or untreated conditions, leading to more severe health problems and increased healthcare costs in the long run. The country would also not be able to advance in the medical field because of the expenses for research and development.

#### 3.2.4. Risks of spreading of viruses

During Malaysia's Movement Control Order (MCO), wearing masks and social distancing was a priority. The fear of the pandemic does not go away overnight. In the post COVID-19 era, the risk of the virus spreading was still a possibility, and some would not want to risk their life of being infected by the contagious virus. To go to somewhere like a hospitals and pharmacies that offer higher risks of infection to retrieve supplements may not be ideal to individuals.

By addressing these problems through the development of an online website like TechCare, individuals can benefit from virtual consultations, telemedicine services, improved accessibility, health monitoring capabilities, and streamlined access to healthcare products.

### 3.3 OBJECTIVE

TechCare main goal is to offer a comprehensive and user-friendly platform that smoothly integrates numerous healthcare services to satisfy the demands of people looking for trustworthy and easily accessible medical information and help. Our main objective is to establish ourselves as a dependable online source for those looking for medical information, direction, and support while providing a wide range of services to improve their general health and well-being.

#### 3.3.1. Make healthcare more accessible.

TechCare aims to meet several serious societal problems. First, we want to make healthcare more accessible by removing limitations related to location, time, and cost. Through our online platform, people can receive a variety of healthcare services from the convenience of their own homes, providing access to rural and remote populations. Everyone can get the treatment they need thanks to this inclusion, regardless of where they live or how wealthy they are. TechCare provides an online pharmacy service where individuals could purchase things that they get in their normal physical pharmacy store and have them delivered to their doorstep. Citizens living in rural areas that do not have access to doctors could also book online consultations with certified professionals.

#### 3.3.2. Enhance efficiency within the healthcare system.

TechCare also aims to enhance efficiency within the healthcare system. We can improve resource allocation, shorten waiting times, and streamline procedures by utilising technology. Our platform makes it simple for people to book appointments, and consult with a healthcare specialist online, which will improve the quality of healthcare overall and saves time in terms of transport and travel.

#### 3.3.3. Equal access to healthcare.

Besides that, TechCare aims to eliminate inequality in medical matters. TechCare is open to the public and has a programme that allows the fortunate to donate to the less fortunate. Other than that, the funds are also used for the country's research in the medical field on diseases to provide a cure, and to supply advancements in hospitals and pharmacist. TechCare Highlights the significance of fair distribution of healthcare resources, including healthcare facilities, healthcare professionals, medical technologies, and medications, to ensure equal access for all individuals across the country.

#### 3.3.4. Social impact

Furthermore, TechCare aims to set a lot of emphasis on patient empowerment and education. We offer a variety of knowledge and tools on many different health topics, making people able to make wise decisions for themselves and actively participate in their care. We aim to enhance quality of life and lessen the strain on healthcare system by developing health literacy and a sense of empowerment.

#### 3.3.5. Establishing trust and credibility

TechCare prioritizes people's trust and well-being, and we aim to be a dependable online source for healthcare matters. We protect customers' confidential data and only accept certified doctors and licensed pharmacies. In other words, we believe in being transparent about our operations, policies, and the sources of our information. We are committed to providing reliable, evidence-based information that is sourced from reputable and trusted references. Customers could also voice out any concerns in the feedback section.

In conclusion, the objective of TechCare is to transform healthcare by utilising technology to improve accessibility, effective and innovation. Through our platform, we aspire to build a society where everyone has access to high-quality healthcare, resulting in healthier people and stronger communities.

### 3.4 BUSINESS IDEA

#### 3.4.1. Details Of Proposed Product

Our company, TechCare is to offer a comprehensive and user-friendly platform that smoothly integrates numerous healthcare services to satisfy the demands of people looking for trustworthy and easily accessible medical information and help. Our platform uses telemedicine, artificial intelligence, and digital innovation to bridge the gap between patients and medical professionals and provide quick, effective, and individualised healthcare solutions.

TechCare offers much more accessible healthcare which it has an online consultation with certified doctors all around the world to remove limitations related to location, time, and cost. We also provide online pharmacy services where patients can purchase things that they get in normal physical pharmacy store and have them delivered to their doorstep especially for those who live in rural area that do not have access to doctors.

Our webpage is very user-friendly, and users do not need to worry on how to use them. The users need to create a new account and will need to enter their details. After that, they will be brought to the main page where they can choose between pharmacy, appointment, medicine tracker, and programme.

At the pharmacy section, users can choose the medicine or equipment that they want to buy and will click on the “Add” button to put in their cart before checking out. Once they finish adding items, they will be directed to the cart checkout details page where they need to fill in the delivery details before payment. During payment, the user can choose payment methods between cards, online banking, and e-wallet.

At the appointment section, users can conveniently book appointments through our platform. They have the flexibility to select their desired doctor from a list of available healthcare professionals. Additionally, users can choose the specific date and time for their consultation.

Our platform also has a section where users can track their medicine intake. By reminding people to take their pills at the appropriate times, it helps them stay on schedule with their recommended medicine regimen. For those who take numerous medications throughout the day or have complicated medication schedules, this can be extremely helpful.

TechCare also provides a programme section where it has a charity programme and a disease awareness information page. For the charity, users can donate a certain amount of

money to help people in need. Meanwhile, for the disease awareness, users need to enter the type of disease that they want to know about, and our page will display all information about the disease.

In conclusion, TechCare is a company that meets the needs of patients all around the world that want to have a healthy lifestyle without any difficulties. Through our platform, we aspire to build a society where everyone has access to high-quality healthcare, resulting in healthier people and stronger communities.

### 3.4.2. Result of Environmental Scanning and

#### 3.4.2.1. SWOT Analysis

##### Strength

Our biggest strength is customer convenience. By offering online appointments and online pharmacies, TechCare minimises the need for patients to physically visit pharmacies or healthcare facilities. This convenience aspect offers a seamless user experience, saves time, and lowers travel expenses.

Our next biggest strength is technological expertise. As our name suggests, TechCare uses technology to provide its services. A user's whole experience is improved by the company's excellent technological capabilities, which allow it to create user-friendly platforms, safe online transactions, and reliable tracking systems.

Next, our strength is being an integrated platform. TechCare's platform combines different capabilities to provide a seamless user experience. Customers' overall pleasure and engagement are increased by the simplicity with which they can switch between services and acquire relevant knowledge.

##### Weakness

Our weakness would be limited physical presence. TechCare may be at a disadvantage in circumstances requiring in-person encounters or physical examinations because it mostly conducts operations online. This restriction can make it difficult for a company to effectively serve clients who prefer in-person healthcare.

##### Opportunities

The need for remote healthcare access as well as rising acceptance of digital healthcare solutions are driving the considerable rise of the telehealth industry. By broadening its offerings, focusing on new consumer demographics, and considering partnering with healthcare organisations, TechCare can profit from this trend.

Other than that, to reach new customers, TechCare may think about extending its service offerings beyond its existing geographic region. The corporation may reach a wider consumer base and enhance its market share by regionally tailoring its platforms and services.



## Threats

One of the threats would be data breaches and privacy violations. Data breaches and privacy violations are possible when handling private medical information. TechCare must put data security first and have adequate measures in place to protect customer data. Customer distrust and reputational harm could result from any data security incident or compromise.

Furthermore, regulatory compliance is also a threat to us. There are strict regulations and compliance standards that apply to the healthcare sector. To prevent legal problems or penalties, TechCare must make sure that all its platforms and business operations comply with all applicable laws. The operations of the company may be impacted by new compliance requirements or regulatory changes.



#### 3.4.2.2. Porter's Five Forces Model

##### Threat of New Entrants

In the online healthcare sector, there is a moderate danger from new competitors. Creating a comprehensive platform like TechCare needs significant investments in technology, collaborations with healthcare providers, and regulatory compliance, however the entry barriers are low in comparison to traditional healthcare. TechCare faces a threat from new companies entering the industry due to the strong potential for profitability and growing demand for online healthcare services.

##### Bargaining Power of Suppliers

The bargaining power of TechCare's suppliers is comparatively strong. Doctors, pharmaceutical corporations, and producers of educational content are examples of suppliers in this setting. These vendors provide TechCare with excellent healthcare providers, a broad selection of medications, and current educational materials. To stand out from rivals, the business needs to establish close ties with suppliers to guarantee availability, fair pricing, and exclusive collaborations.

##### Bargaining Power of Buyers

The bargaining power of buyers for TechCare is moderate. Customers' capacity to compare and change between online healthcare platforms creates competition in the market. TechCare can set itself apart, nevertheless, because to its user-friendly interface, broad doctor network, easy medication delivery, and charitable and educational initiatives. To keep users interested and draw in new ones while reducing the purchasing power of customers, TechCare needs constantly improve its value proposition and customer experience.

##### Threats of Substitute

The threat of substitutes for TechCare's services is moderate. While traditional healthcare services like in-person medical visits, physical pharmacies, and charity and education programmes are still available, internet healthcare platforms offer ease and accessibility. To set itself apart from competitors and keep a competitive edge, TechCare should always innovate and offer its users more benefits.

### Rivalry among existing competitors

The competitive rivalry within the online healthcare industry is high. Both newcomers and established competitors in the market compete against TechCare. Similar services, medical networks, online pharmaceutical alternatives, and educational resources could be provided by rivals. TechCare must concentrate on establishing a solid brand reputation, providing excellent customer service, encouraging innovation, growing its network of physicians, and consistently improving the features and user experience of its platform to obtain a competitive edge.

### 3.4.3. Expected Contribution to Society

TechCare aims to contribute to society by many ways.

#### Accessible and convenient services.

TechCare platform will provide users with instant access to a wide range of medical services without the need to visit a physical medical centre but from the comfort of one's home or office. This includes getting their pharmacy needs and consultations online. The user can remote consultations with professionals by their own. Through telemedicine features, individuals can have virtual appointments with doctors, psychologists, and other specialists. This is particularly beneficial for individuals with limited mobility, those in remote areas, or individuals requiring follow-up consultations.

Customers also can make payments through various payment methods, implementing E-wallet when purchasing pharmacy items. In the other case, this will be helpful for them to ensure their future planning in case something that unexpected accident happened. Also, this platform also will provide delivery services to ensure every individual that use this platform will be care and avoid any delay for medical care in such a critical time.

#### Increase Awareness and prevent deaths among community.

TechCare provides a public information page. People can learn about the diseases that will include the details, symptoms, and treatment options right from their screens. This empowers individuals to make informed decisions about their health and well-being also the user can be aware in any case.

#### Improve user experience.

Subsequently, this platform will improve user experience. We say this because this platform will help individuals organize their medication schedules, set reminders, and track their adherence to prescribed medications. In the case of busyness, people always ignore and take for granted about their health and medicine that need to follow up to reach healthy lifestyle. These reminders can significantly improve medication adherence, ensuring that people stick to their prescribed treatment plans. Enhanced medication adherence leads to better health outcomes and can prevent complications associated with missed doses.

### Charitable contribution

TechCare contributes to society by establishing a charity program where the public can chip in some amount of money. Collected fund are dedicated to supporting underprivileged individuals or medical research initiatives. This contributes to efforts for a more harmonious society and advancing country. A strong society who is passionate about helping one another could be built.

### Reduce carbon footprint.

By offering online consultations and pharmacy, it reduces carbon emissions from motor vehicles when travelling to physical healthcare facilities and finding parking's. This helps minimize carbon emissions associated with transportation and contributes to lowering the overall carbon footprint. By making this possible, we can slow down the rate of climate change which helps preserve the Earth's delicate climate balance.

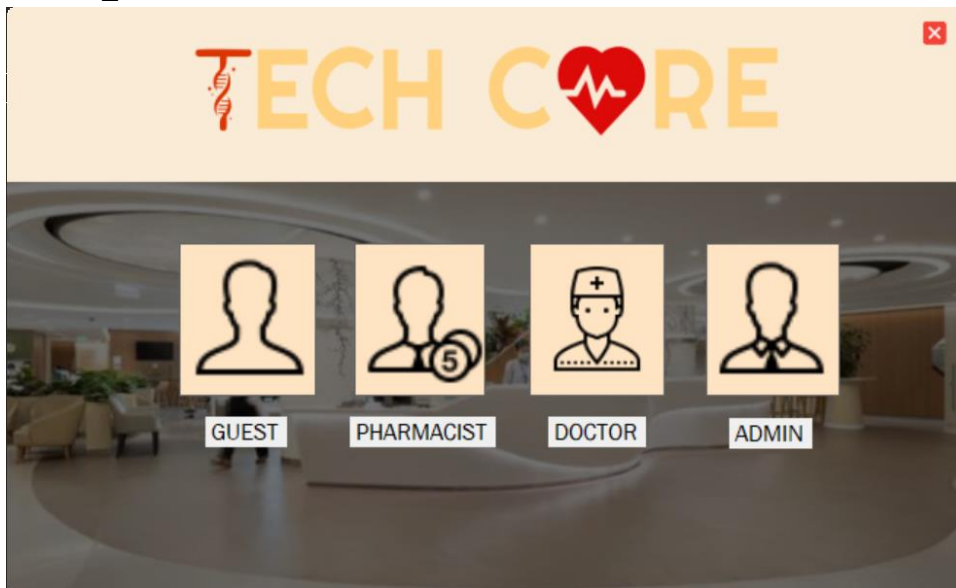
### Reduce unemployment.

TechCare's delivery service offers more job opportunities to trusted people.

## 4.0 THE SOLUTION

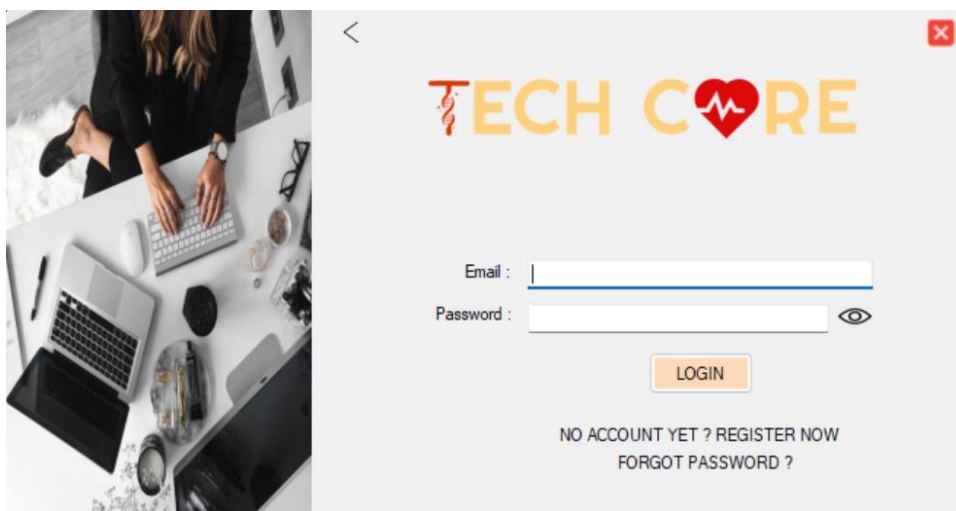
### 4.1 System Interface

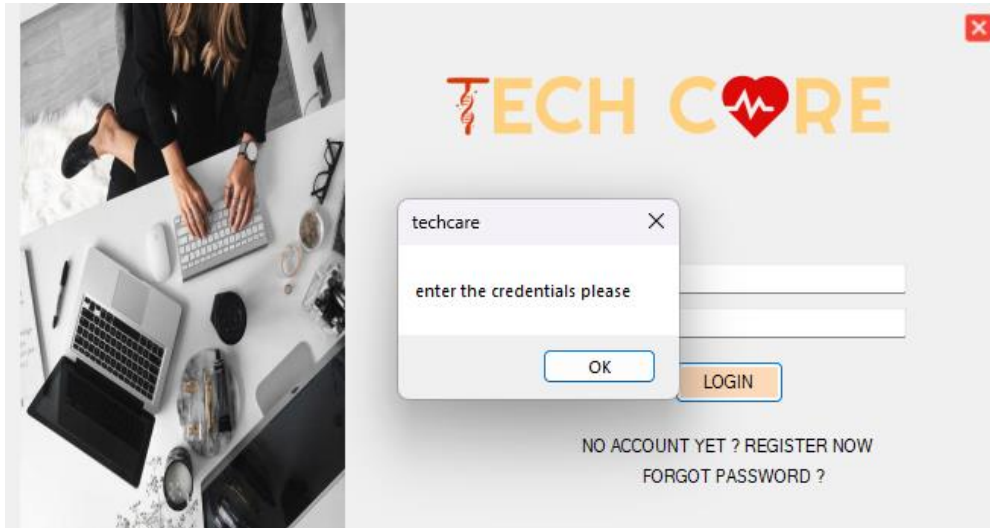
#### 1. Choose\_User



#### Customer

#### 1. Login Page





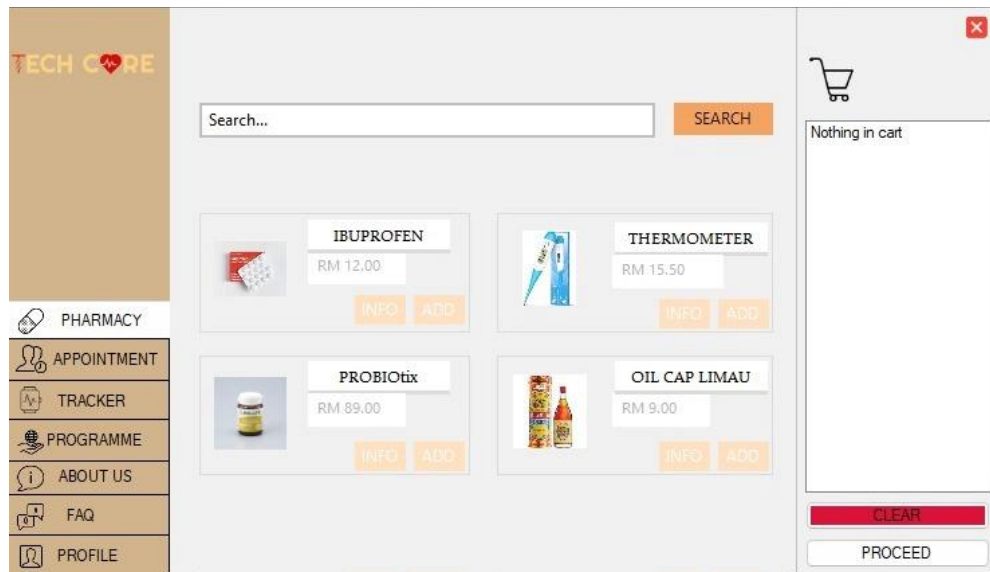
## 2. Register Account

The image shows a pharmacy interior on the left. On the right is the 'TECH CORE' registration form. It includes fields for NAME, EMAIL (pre-filled with 'example@example.com'), PASSWORD, NO. IC (pre-filled with '- -'), PHONE NO., and ADDRESS. To the right of these fields are options for GENDER (FEMALE, MALE) and AGE (pre-filled with '0'). A 'REGISTER' button is at the bottom right.

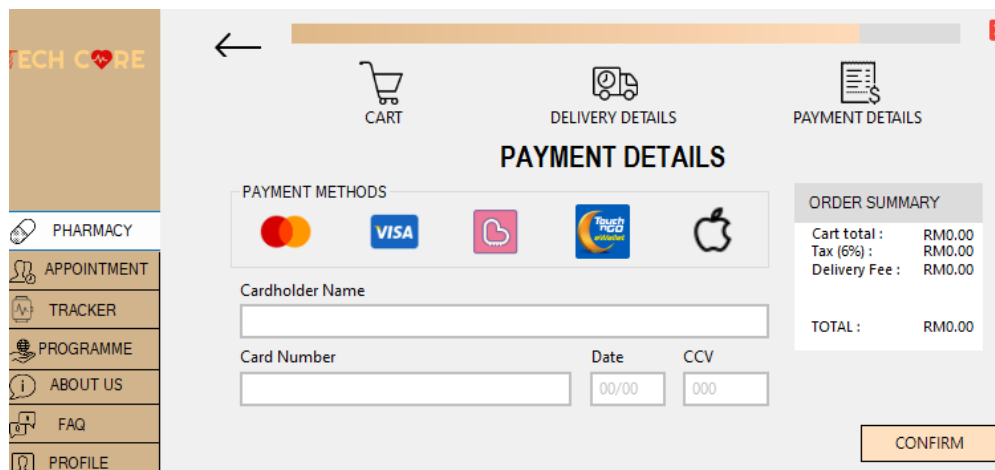
## 3. Forgot Password

The image shows a form for 'FORGOT PASSWORD'. It features a lock icon and the text 'FORGOT PASSWORD'. The form includes an 'Email' input field, a 'Send me code' link, four input boxes for a code (each containing a '0'), a 'New Password' input field, and a 'SUBMIT' button.

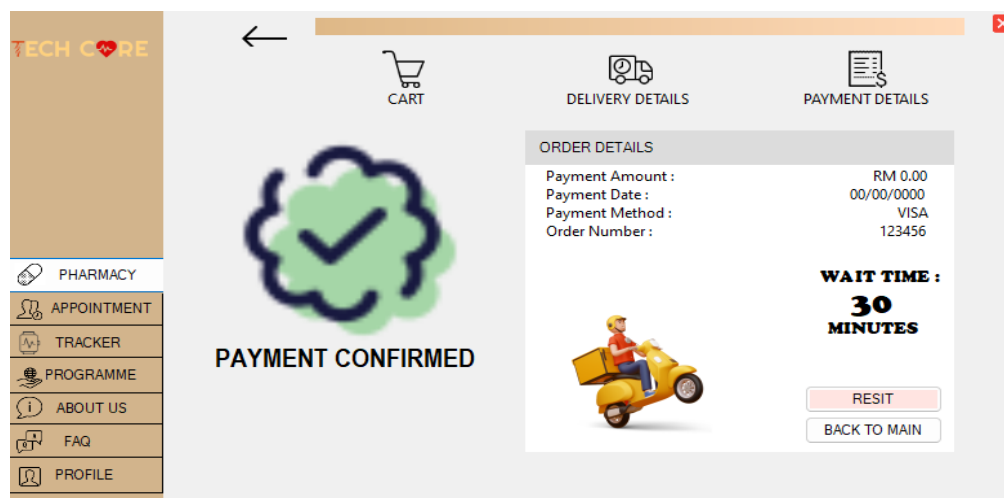
#### 4. Main Page / Online Pharmacy



#### 5. Payment



#### 6. Receipt







## 7.Appointment

TECH CORE

DR ABRAHAM LIM

 NEUROLOGIST

 HOSPITAL QUEEN ELIZABETH , KUALA LUMPUR

Experienced in the field for 15 years.

14 June

BOOK

PHARMACY

APPOINTMENT

TRACKER

PROGRAMME

ABOUT US

FAQ


PROFILE


## 8.Tracker


TECH CORE

Daily Medicine

7.00	
8.00	
9.00	
10.00	
11.00	
12.00	
13.00	
14.00	
15.00	
16.00	
17.00	
18.00	
19.00	
20.00	
21.00	
22.00	
23.00	
00.00	

 Name :

 Time :



CLEAR

ENTER

PHARMACY

APPOINTMENT

TRACKER

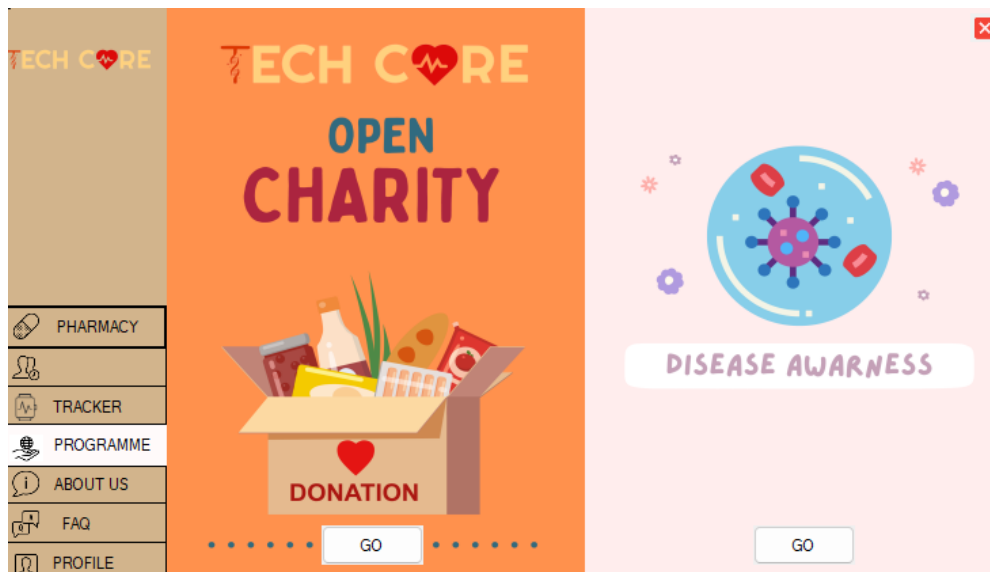
PROGRAMME

ABOUT US

FAQ

PROFILE

## 9. Programme



## 10. Donation



## 11.Disease Awareness

TECH CARE

PHARMACY

APPOINTMENT

TRACKER

PROGRAMME

ABOUT US

FAQ

PROFILE

Disease :

About :

Symptoms :

Suggested Care :



DISEASE AWARENESS

BACK

## 12.About Us

TECH CARE

PHARMACY

APPOINTMENT

TRACKER

PROGRAMME


ABOUT US

FAQ

PROFILE

ABOUT US


FAQ



Welcome to TECH CARE Medicine website, your one-stop-shop for health-related matters. Whether you need to obtain medication with ease or seek an online consultation, we have got your back.

Our medicine tracker keeps you in touch with all your medicine requirements, and we have all the information you need to stay educated on health-related concerns. With our donation page, you can contribute towards a better healthcare system and to those in need.

At our pharmacy online, you can avail of delivery services to make it even more convenient to obtain medication. Book your appointment for an online consultation with one of our experienced and friendly doctors, and you're good to go!



### 13.Frequently Ask Question (FAQ)

TECH CORE

PHARMACY

TRACKER

PROGRAMME

ABOUT US

FAQ

PROFILE

## Frequently Asked Questions (FAQ)

### ? Is your online pharmacy legitimate?

Yes, our online pharmacy is legitimate.  
We are a licensed and reputable pharmacy operating in accordance with all applicable laws and regulations.We prioritize the health and safety of our customers and ensure that all medications dispensed are sourced from approved manufacturers.

Feedback :

### 14.Profile

TECH CORE

PHARMACY

TRACKER


PROGRAMME

ABOUT US

FAQ

PROFILE

## MY PROFILE



Name :

Gender :

Birthday :

Address :



PURCHASES

APPOINTMENTS

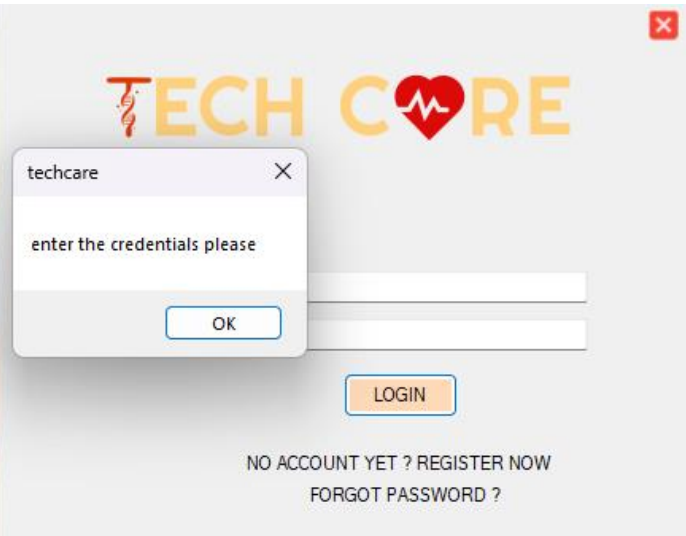

Feedback :

## Pharmacist

### 1) Login Page

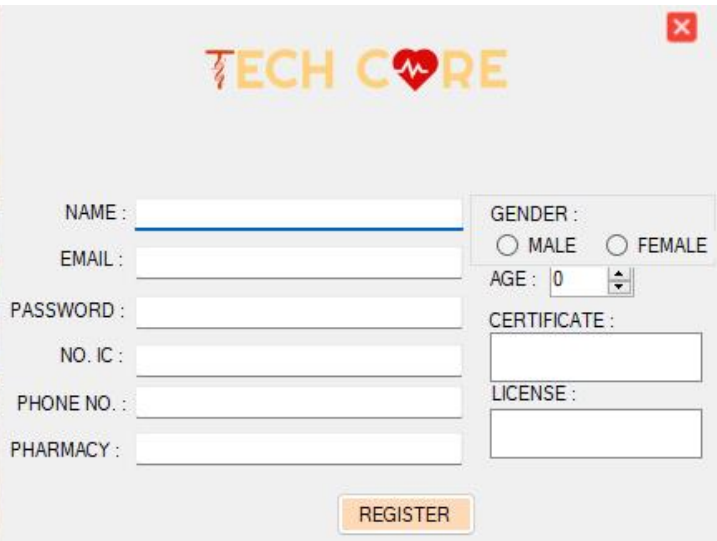



The login page features the 'TECH CORE' logo at the top, with a red heart icon containing a white ECG line. Below the logo are two input fields: 'Email : ' and 'Password : '. A 'LOGIN' button is positioned below the password field. At the bottom, there are two links: 'NO ACCOUNT YET ? REGISTER NOW' and 'FORGOT PASSWORD ?'.



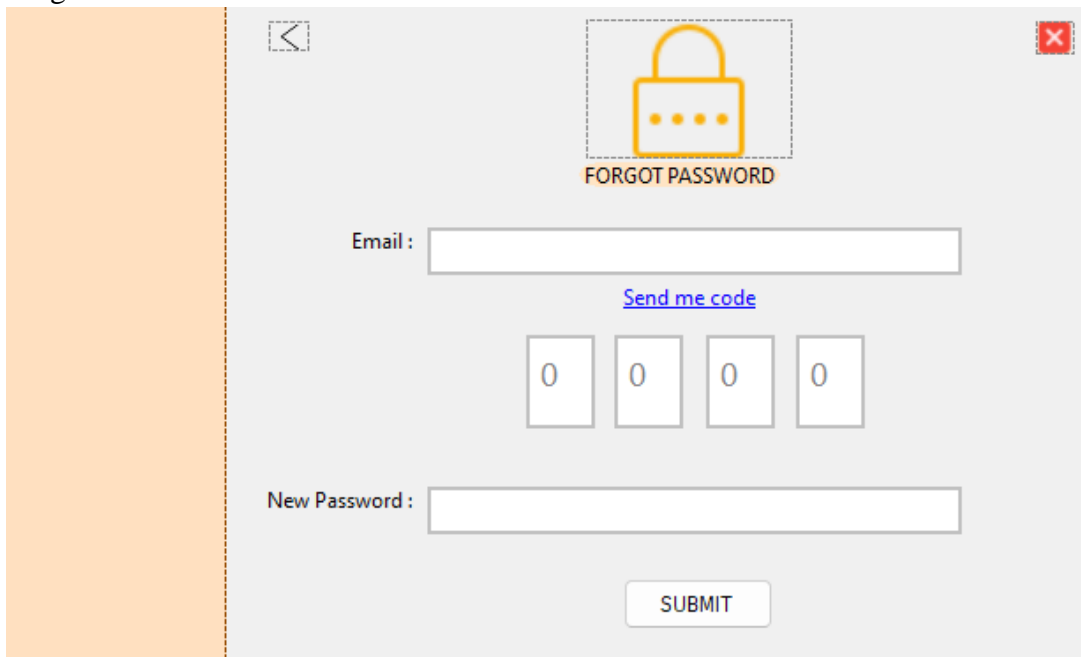
This screenshot shows the same login page as above, but with a modal dialog box open. The dialog box has a title bar that says 'techcare' and a close button (X). The main text inside the dialog says 'enter the credentials please'. There is an 'OK' button at the bottom of the dialog. The background login form is partially obscured by the dialog.

### 2) Register




The register page features the 'TECH CORE' logo at the top. Below the logo are several input fields: 'NAME : ', 'EMAIL : ', 'PASSWORD : ', 'NO. IC : ', 'PHONE NO. : ', and 'PHARMACY : '. To the right of these fields are two sections: 'GENDER : ' with radio buttons for 'MALE' and 'FEMALE', and 'AGE : ' with a numeric input field set to '0'. Below these are two more input fields: 'CERTIFICATE : ' and 'LICENSE : '. A 'REGISTER' button is located at the bottom right of the form.

### 3) Forgot Password



The 'Forgot Password' form is displayed within a light gray modal window. At the top left is a back arrow icon, and at the top right is a red close button. A yellow padlock icon is centered above the title 'FORGOT PASSWORD'. Below the title is an 'Email :' label followed by a text input field. A blue link 'Send me code' is positioned below the email field. Underneath the link are four individual input boxes, each containing the digit '0'. Below these is a 'New Password :' label followed by a text input field. At the bottom center is a 'SUBMIT' button.

<



FORGOT PASSWORD

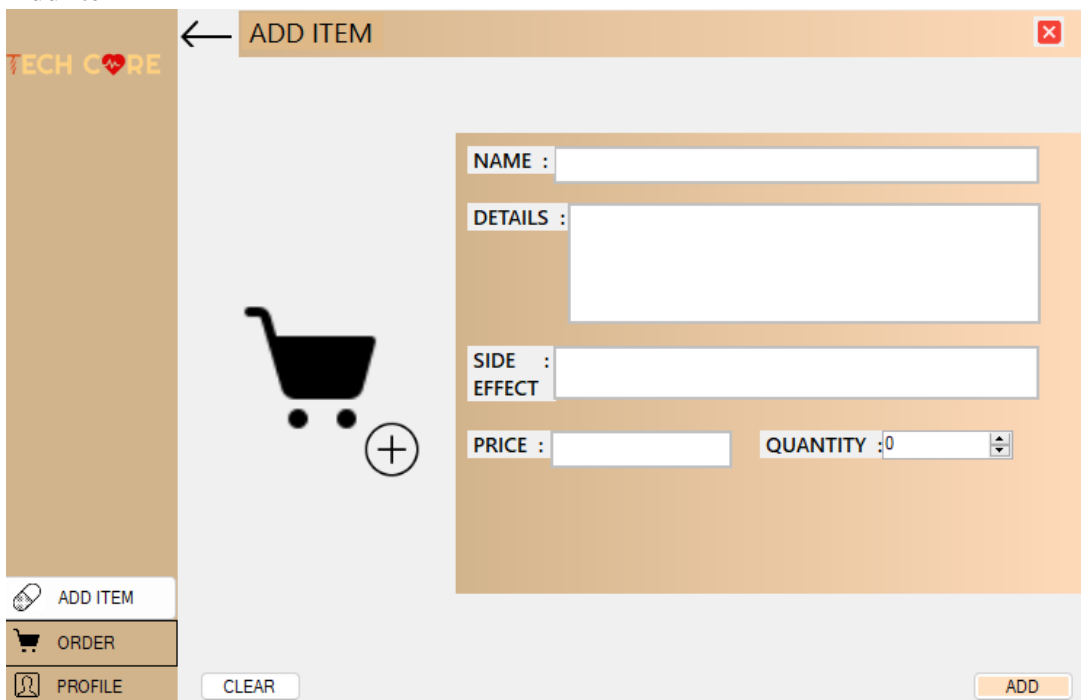
Email :

[Send me code](#)

New Password :

SUBMIT


### 4) Add Item



The 'Add Item' form is shown in a light gray modal window. The top bar is orange and contains a back arrow, the title 'ADD ITEM', and a red close button. On the left is a brown sidebar with the 'TECH CORE' logo at the top. Below the logo is a shopping cart icon with a plus sign. At the bottom of the sidebar are three buttons: 'ADD ITEM' (with a plus icon), 'ORDER' (with a shopping cart icon), and 'PROFILE' (with a person icon). The main form area has a light orange background and contains four input fields: 'NAME :', 'DETAILS :', 'SIDE :', and 'EFFECT :'. Below these are 'PRICE :' and 'QUANTITY :0' fields. A 'CLEAR' button is at the bottom left, and an 'ADD' button is at the bottom right.

TECH CORE

← ADD ITEM



NAME :

DETAILS :

SIDE :

EFFECT :

PRICE :  QUANTITY :0

ADD ITEM

ORDER

PROFILE

CLEAR

ADD

5) Order Received

TECH CORE

ORDER RECEIVED

IBUPROFEN

ITEM LEFT : 30

NEW ORDEI

Check

ADD ITEM

ORDER

PROFILE

6) Pharmacist Profile

TECH CORE

PROFILE

NAME : Your Name

AGE :

CERTIFICATION :

STATUS :

EMAIL ADDRESS :

LICENSED : Add your files

NO. PHONE : 123456789

PHARMACY :

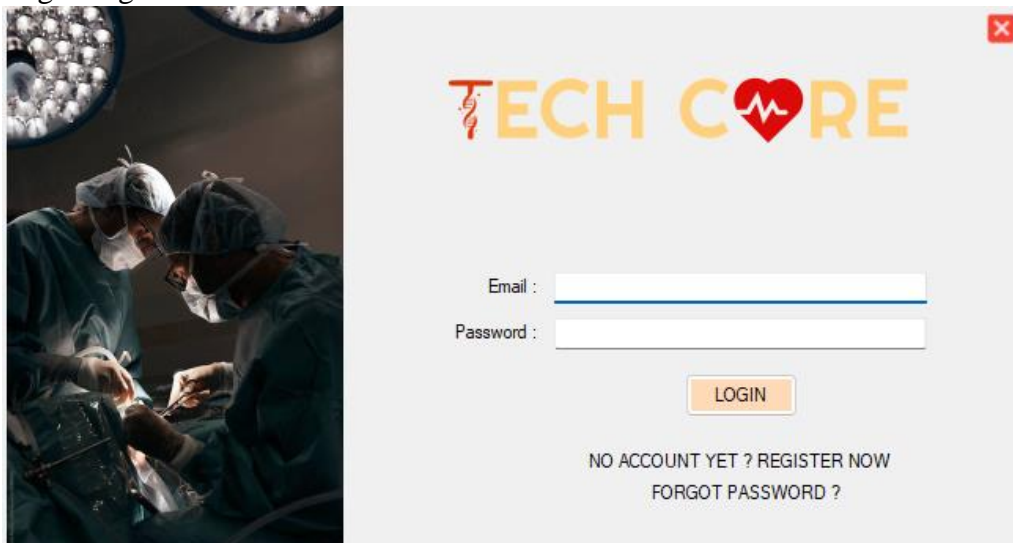
CLEAR

CHANGE

DONE

## Doctor

### 1. Login Page



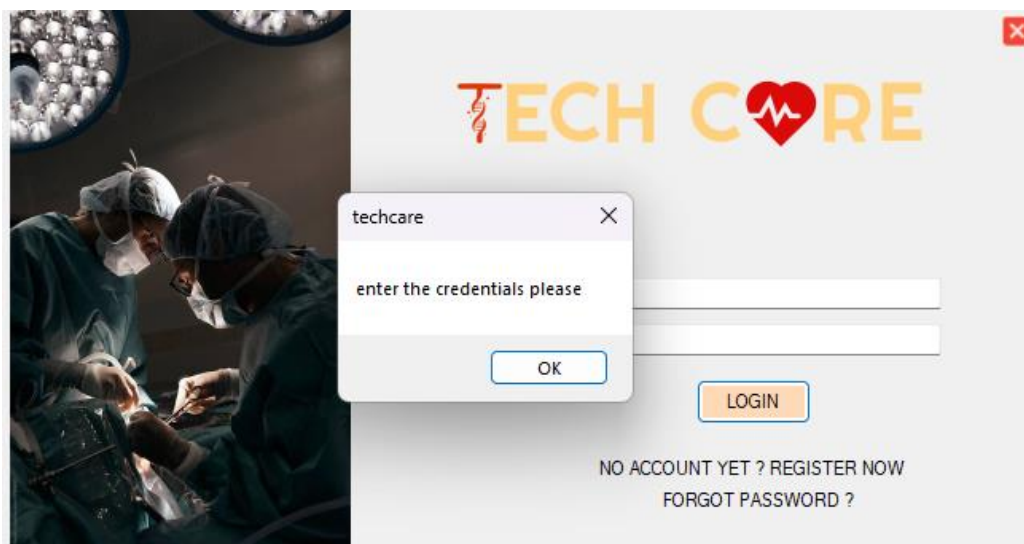
TECH CORE

Email :

Password :

LOGIN

NO ACCOUNT YET ? REGISTER NOW  
FORGOT PASSWORD ?



techcare

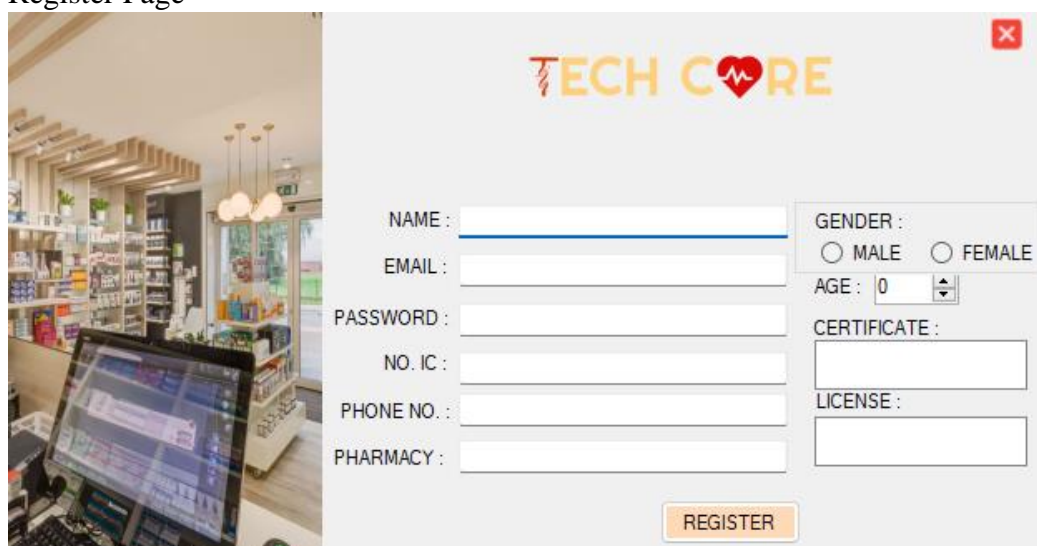
enter the credentials please

OK

LOGIN

NO ACCOUNT YET ? REGISTER NOW  
FORGOT PASSWORD ?

### 2. Register Page



TECH CORE

NAME :

EMAIL :

PASSWORD :

NO. IC :

PHONE NO. :

PHARMACY :

GENDER :  
☐ MALE ☐ FEMALE

AGE : 0

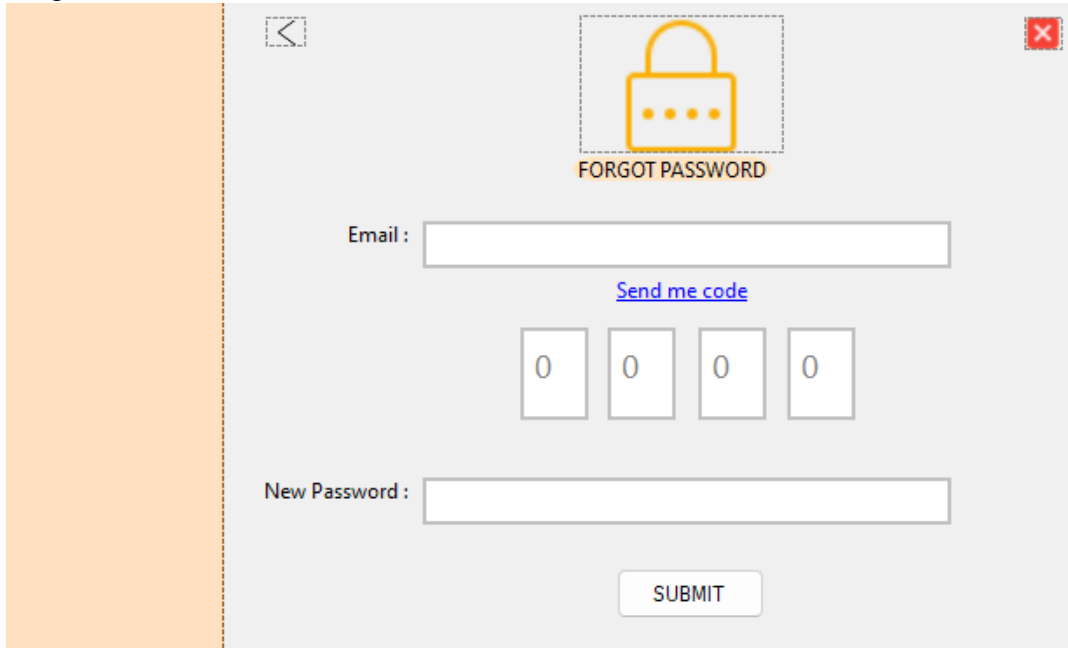
CERTIFICATE :

LICENSE :

REGISTER

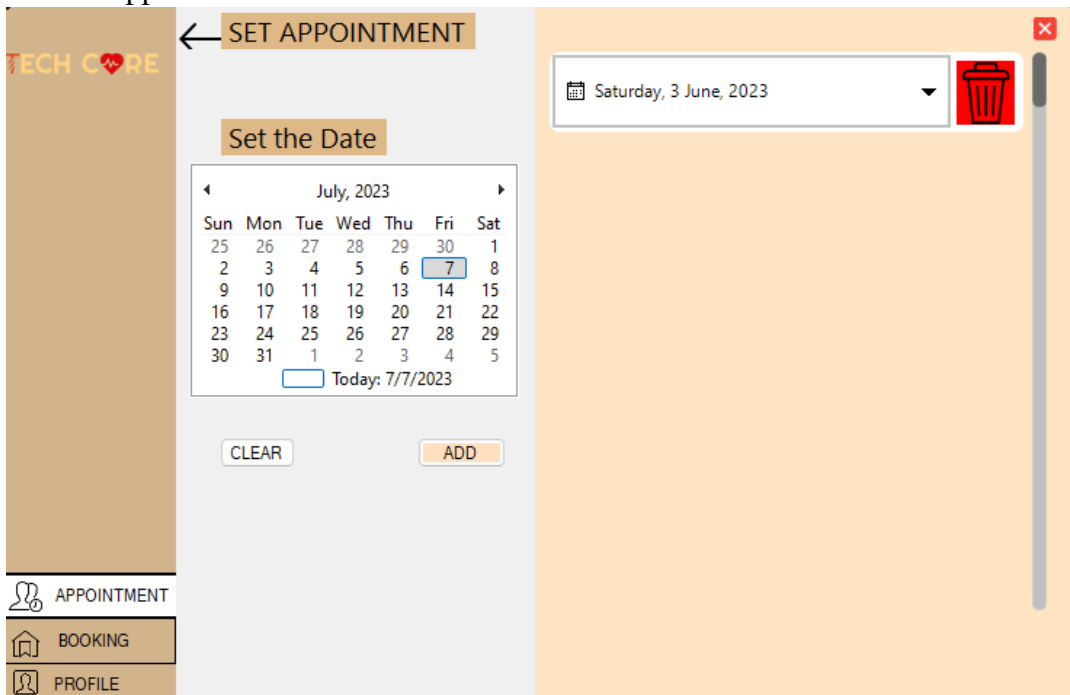


### 3. Forgot Password



The 'Forgot Password' form is displayed on a light gray background. At the top, there is a back arrow icon on the left and a close 'X' icon on the right. Below these is a yellow padlock icon with the text 'FORGOT PASSWORD' underneath it. The form includes an 'Email:' label followed by a text input field. Below the email field is a blue link that says 'Send me code'. Underneath the link are four square input boxes, each containing the digit '0'. Below these boxes is a 'New Password:' label followed by a text input field. At the bottom of the form is a 'SUBMIT' button.

### 4. Doctor Appointment



The 'Doctor Appointment' form is shown on a light gray background. On the left, there is a brown sidebar with the 'TECH CORE' logo at the top. Below the logo are three menu items: 'APPOINTMENT' (selected), 'BOOKING', and 'PROFILE'. The main content area has a title 'SET APPOINTMENT' with a back arrow icon. Below the title is a 'Set the Date' section containing a calendar for July 2023. The calendar shows dates from 25 to 31, with the 7th highlighted. Below the calendar are 'CLEAR' and 'ADD' buttons. To the right of the calendar is a date selector showing 'Saturday, 3 June, 2023' with a dropdown arrow and a trash icon. The right side of the form is a large orange area with a vertical scrollbar.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	29	30	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	1	2	3	4	5

## 5. Booking

TECH CORE

← BOOKING

NAME :

NO. PHONE :

EMAIL :

AGE :

PROBLEMS :

< >

APPOINTMENT

BOOKING

PROFILE



DECLINE ACCEPT

## 6. Profile

TECH CORE

← PROFILE

×

NAME : Your Name AGE :

CERTIFICATION :  STATUS :

EMAIL ADDRESS :

LICENSED : Add your files

YOUR CLINIC/ HOSPITAL : KLINIK REDZA

NO. PHONE : 123456789

APPOINTMENT

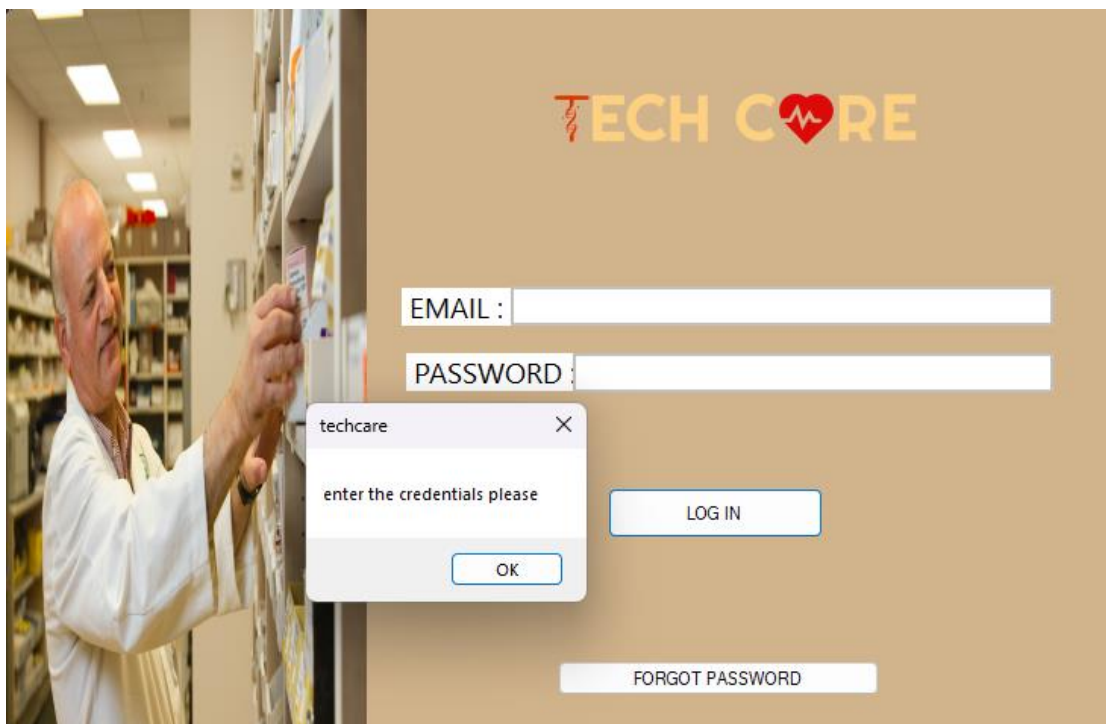
BOOKING

PROFILE

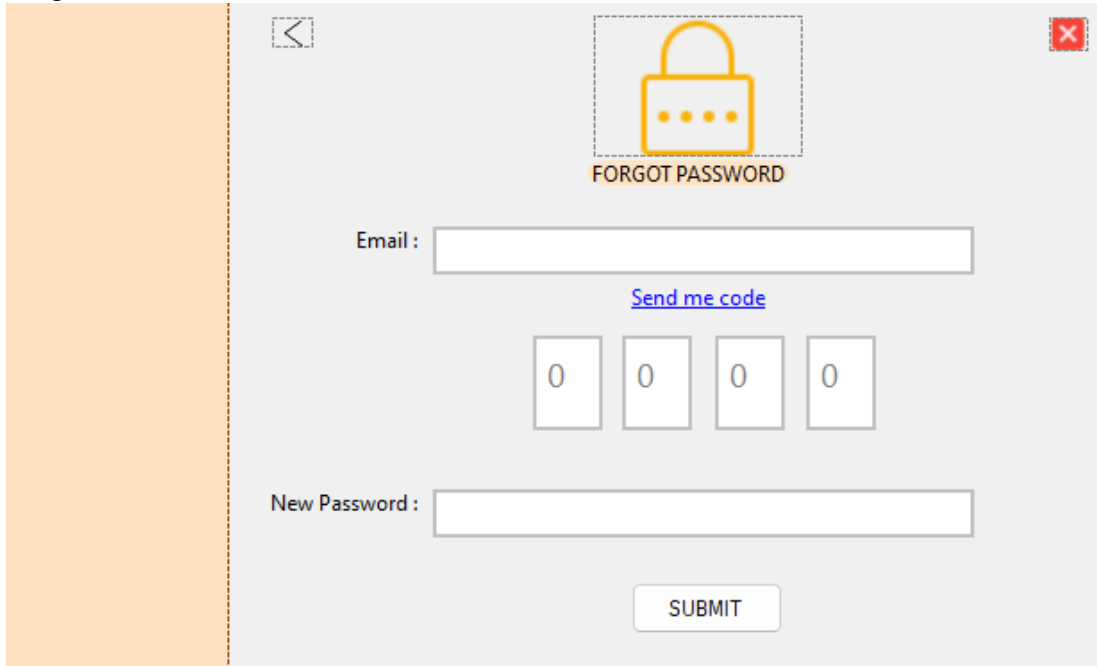
CLEAR CHANGE DONE

## Admin

### 1. Login Page

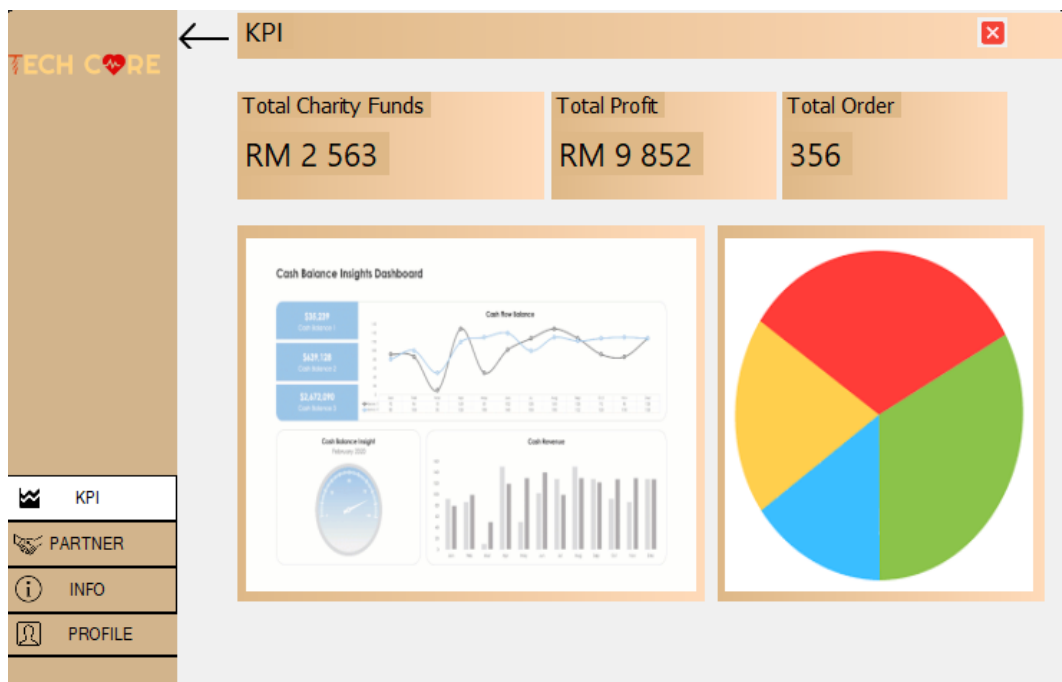


## 2. Forgot Password

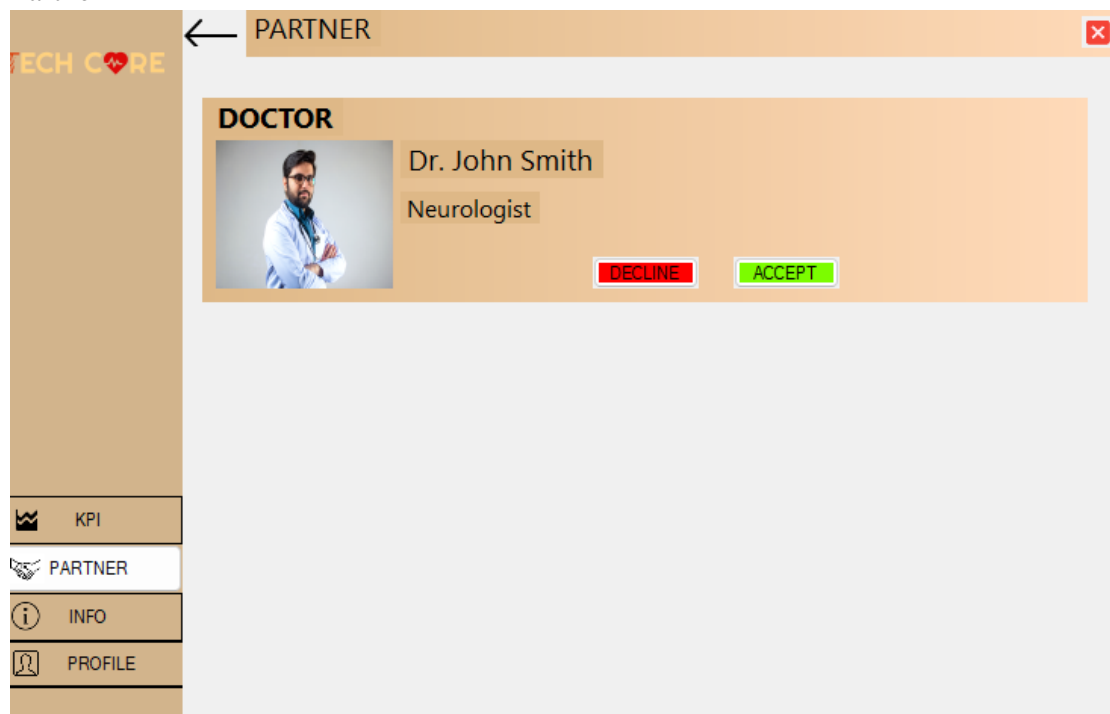


The 'Forgot Password' form is displayed within a light gray modal window. At the top left is a back arrow icon, and at the top right is a red close button. The title 'FORGOT PASSWORD' is centered below a yellow padlock icon. The form includes an 'Email' input field, a blue 'Send me code' link, a four-digit OTP input field (currently showing '0000'), a 'New Password' input field, and a 'SUBMIT' button at the bottom.

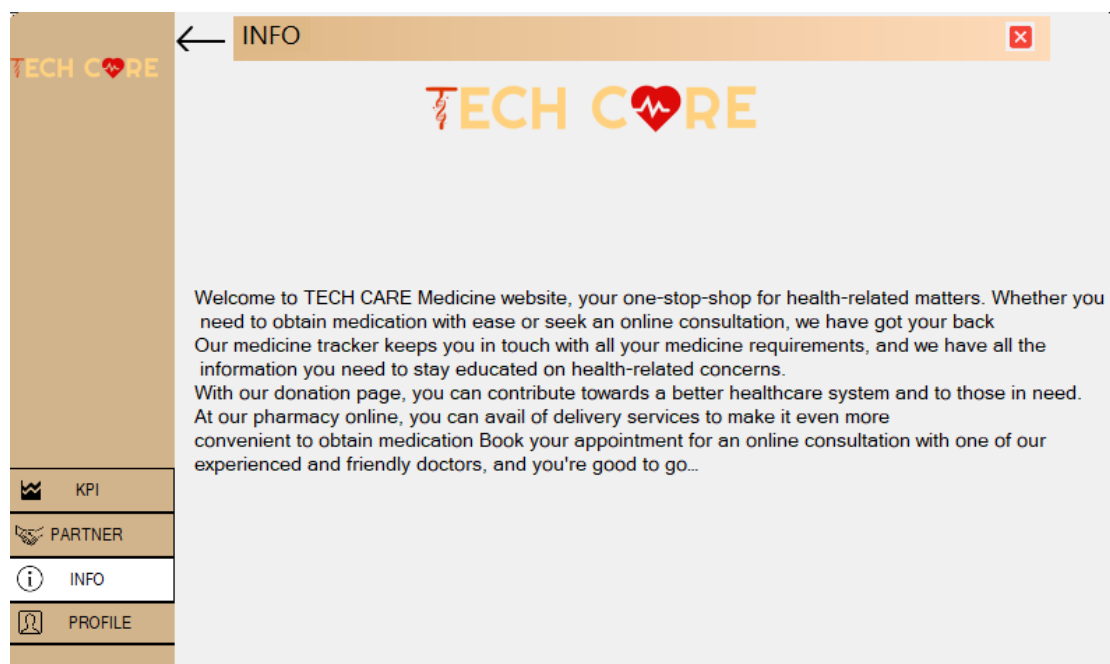
## 3. KPI



#### 4. Partner



#### 5. Info



## 6. Profile

TECH CORE

← PROFILE

NAME : Your Name

AGE :

STATUS :

EMAIL ADDRESS :

HOME :

ADDRESS

NO. PHONE : 123456789

COUNTRY :

KPI

PARTNER

INFO

PROFILE

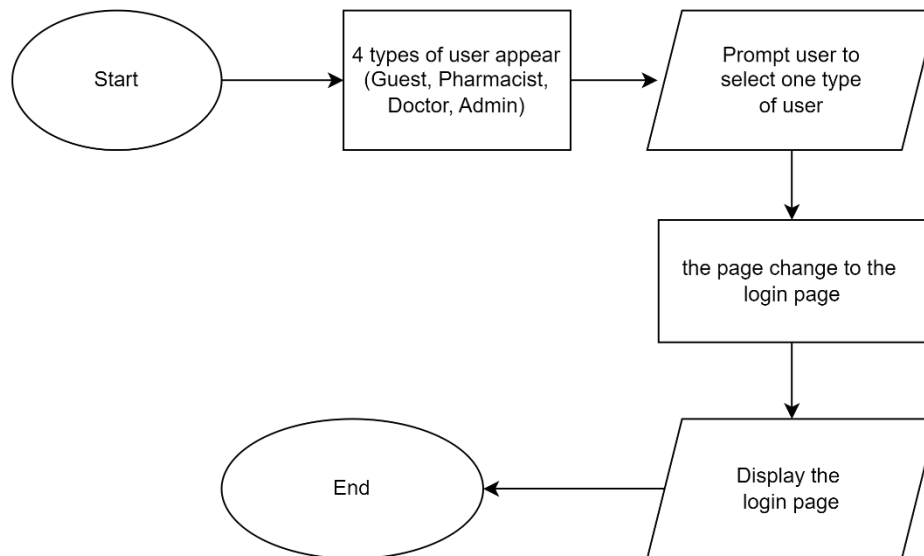
CLEAR

CHANGE

DONE

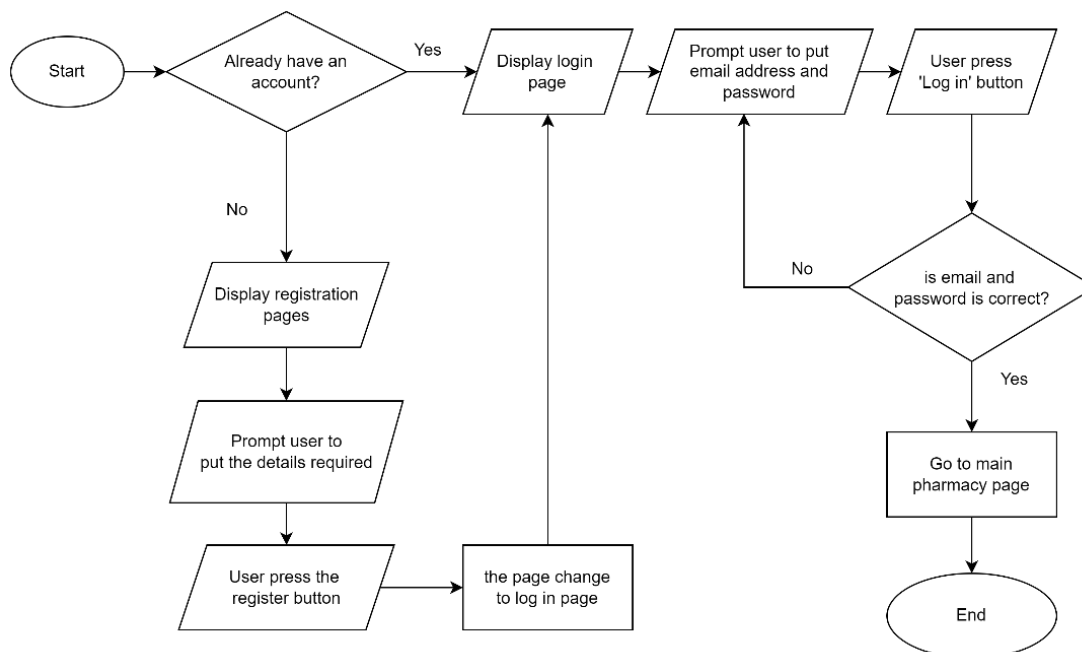
## 4.2 System Flowchart

Deciding User Page

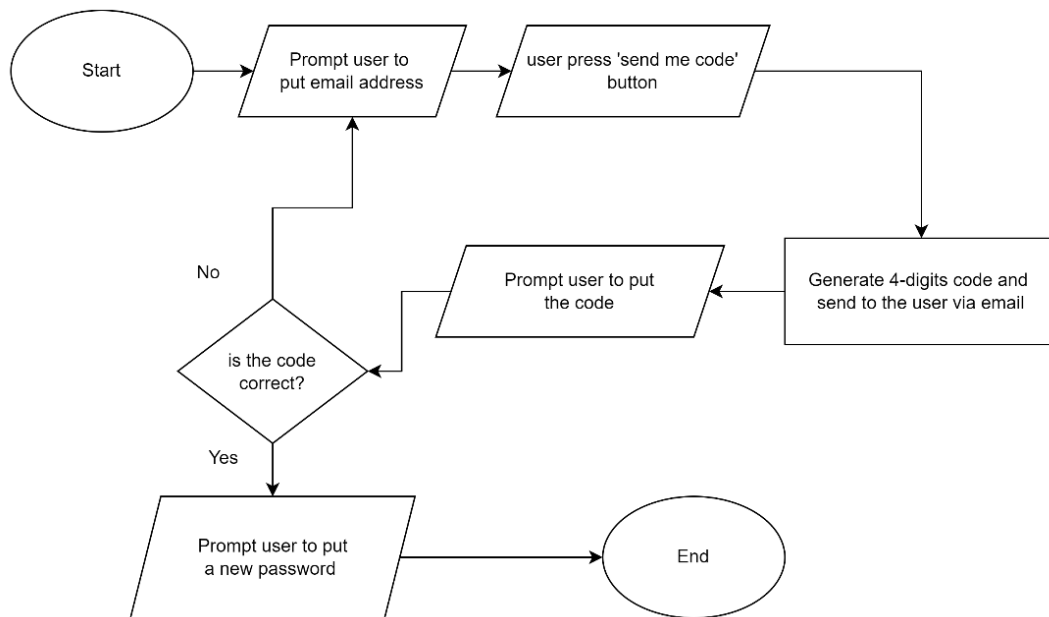


### Customer

Customer Login and Registration Page

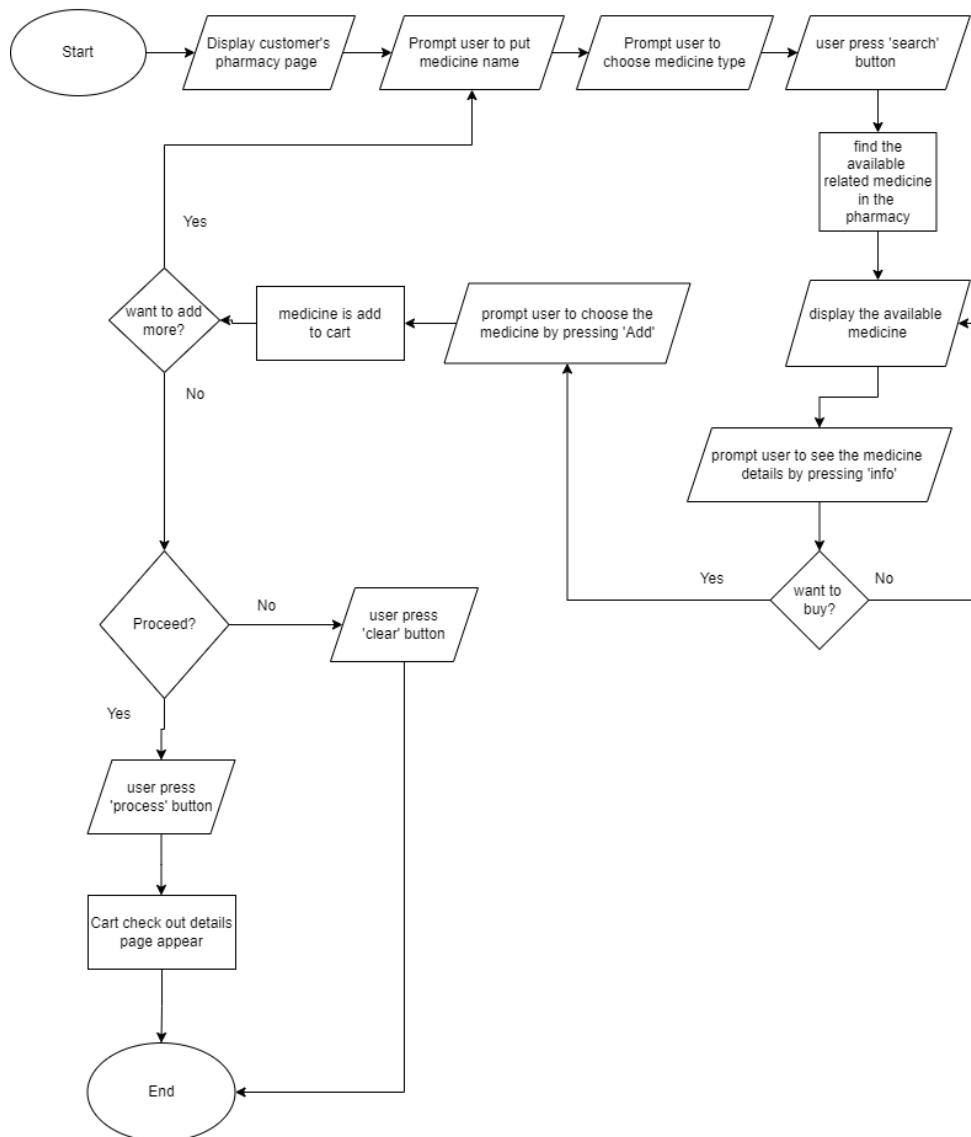


## Forgot Password

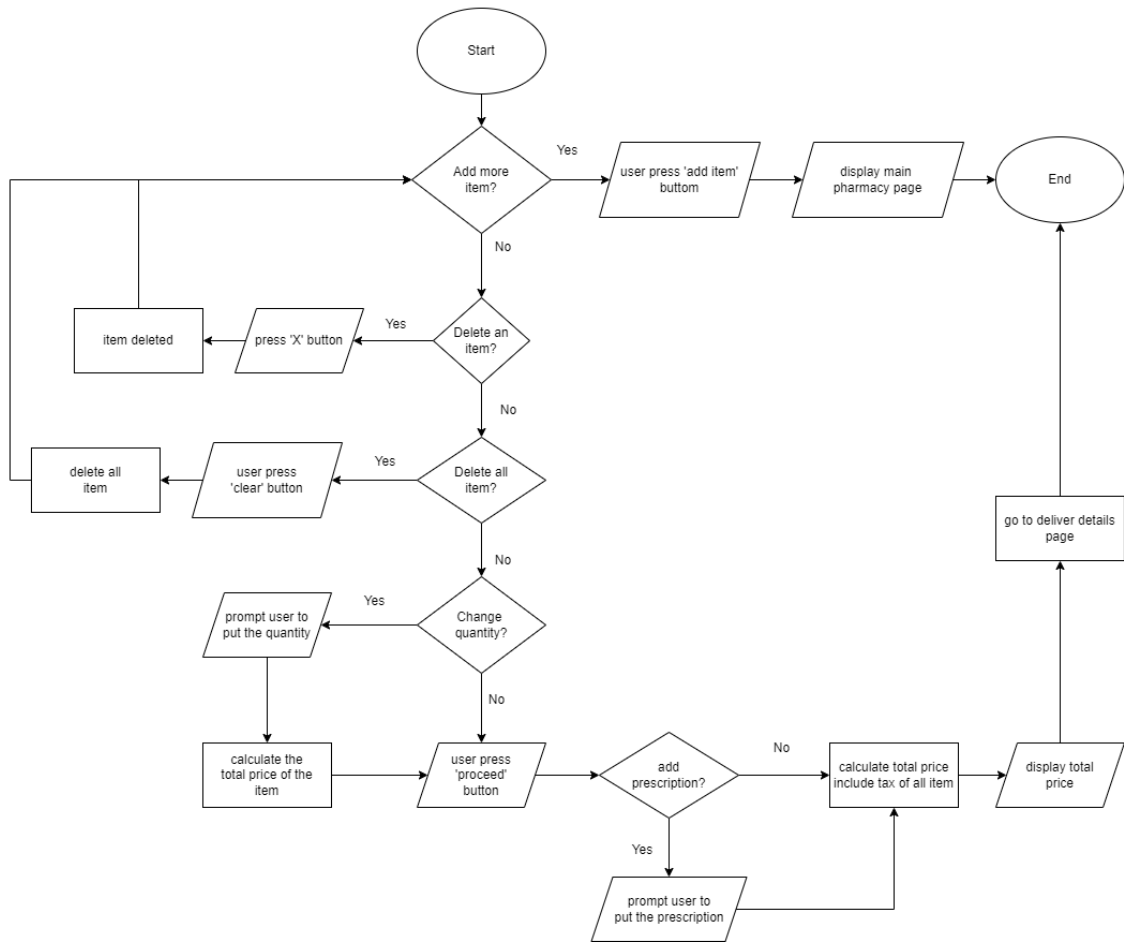




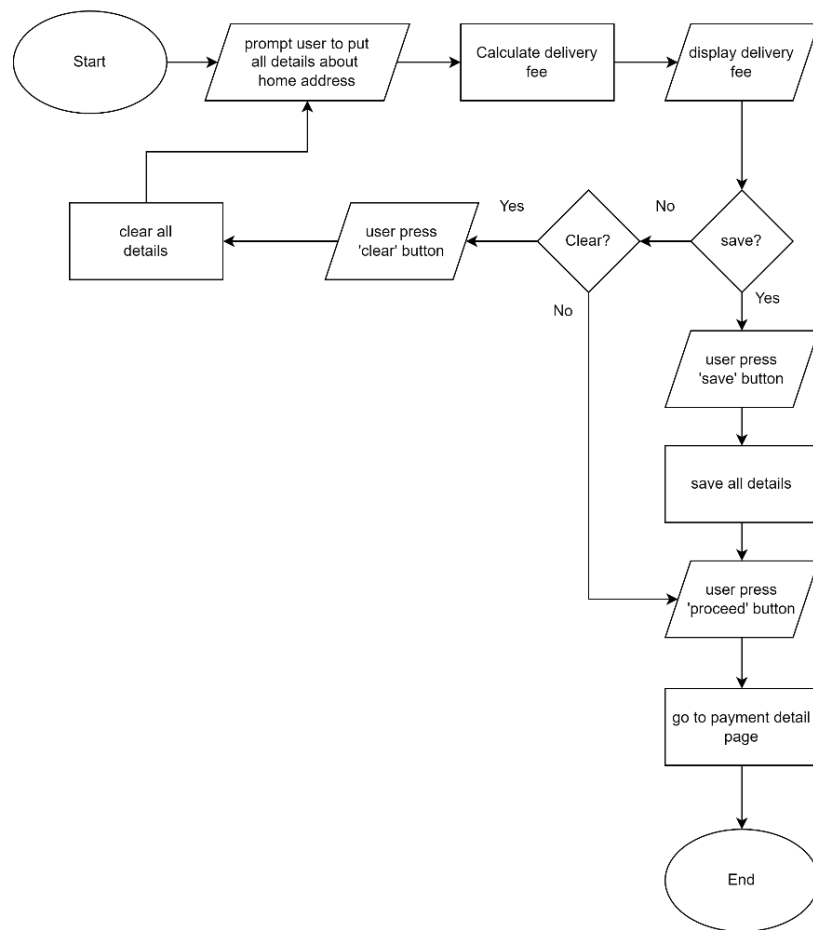
# Customer Pharmacy Page



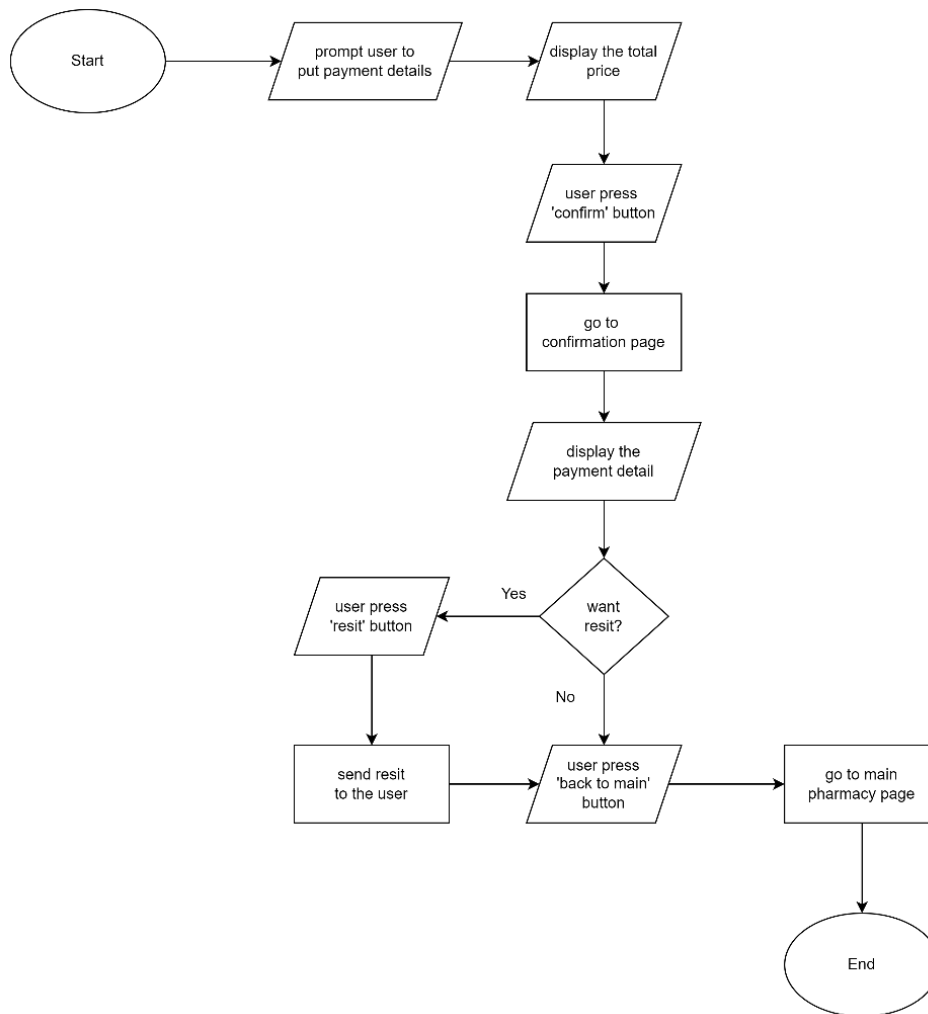
# Customer Cart Check Out



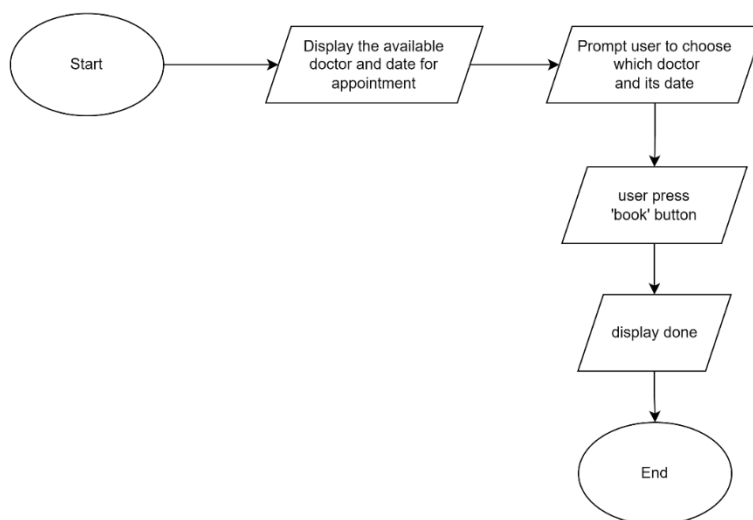
Customer Delivery Details Page

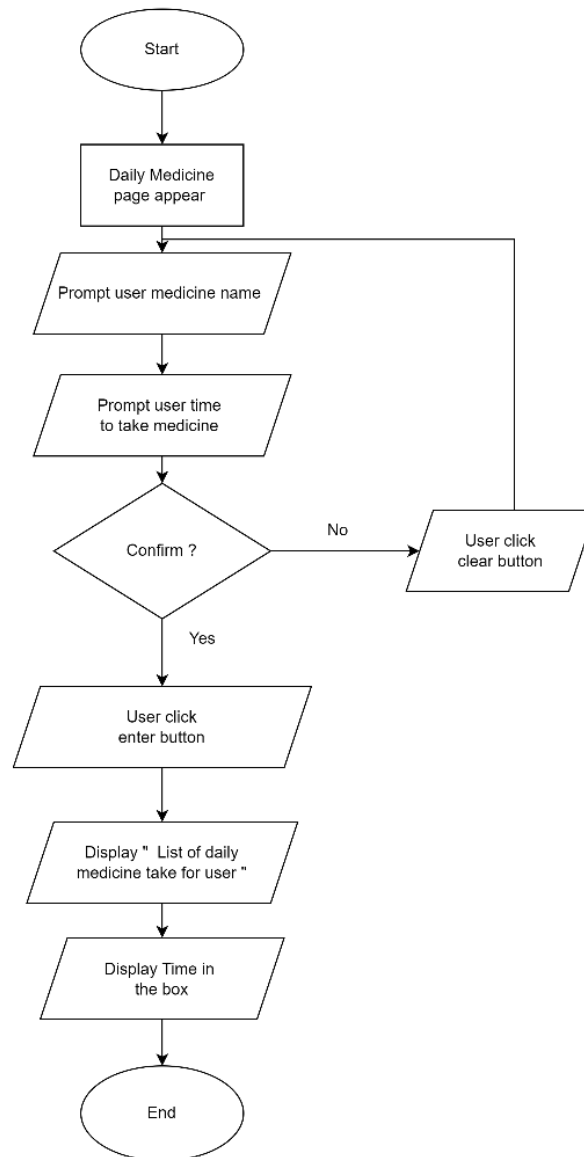


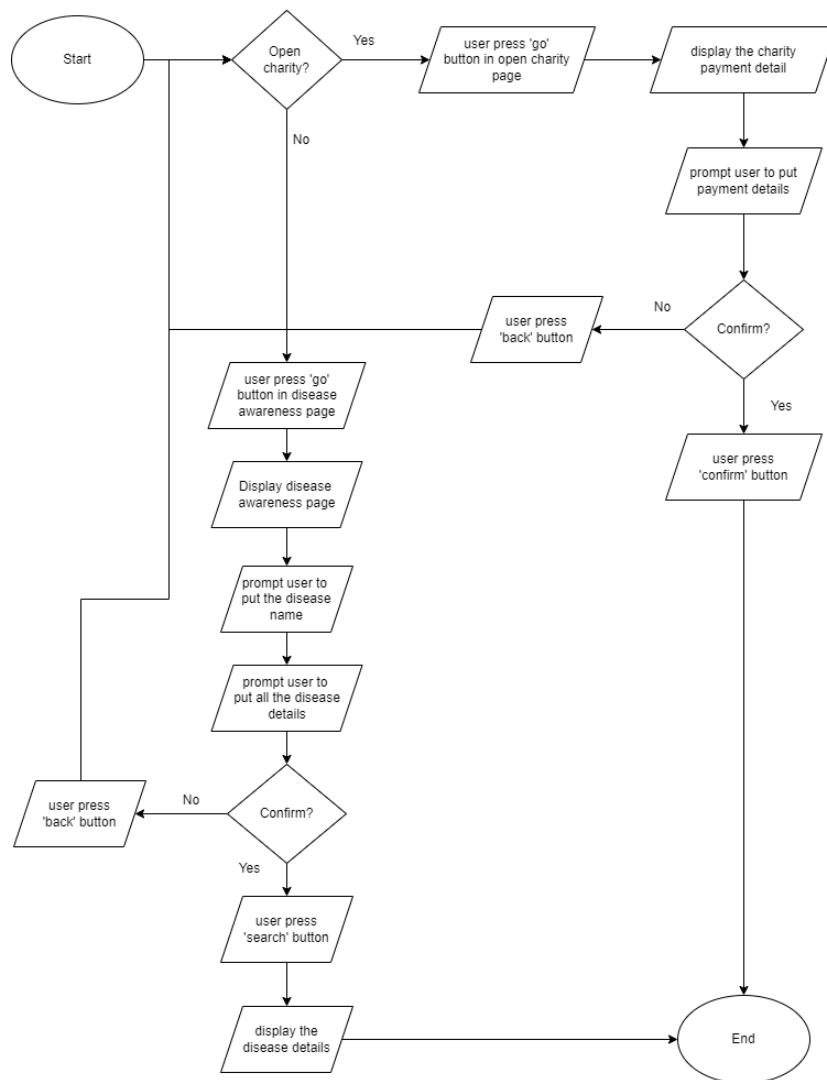
#### Customer Payment Detail



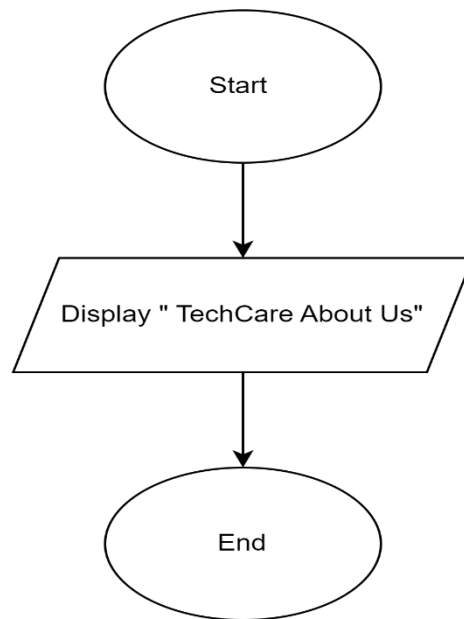
#### Customer Appointment Booking Page



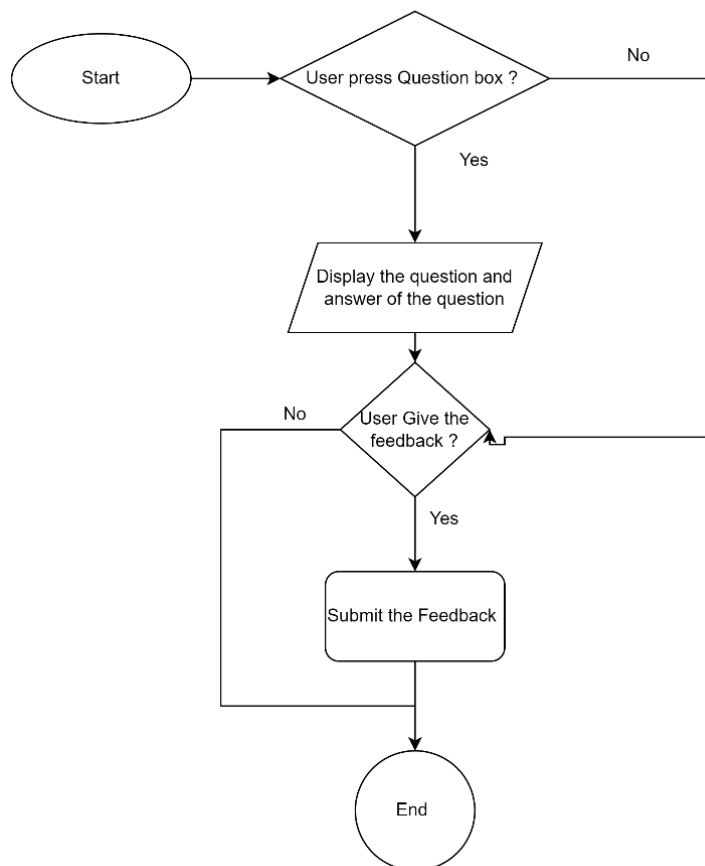




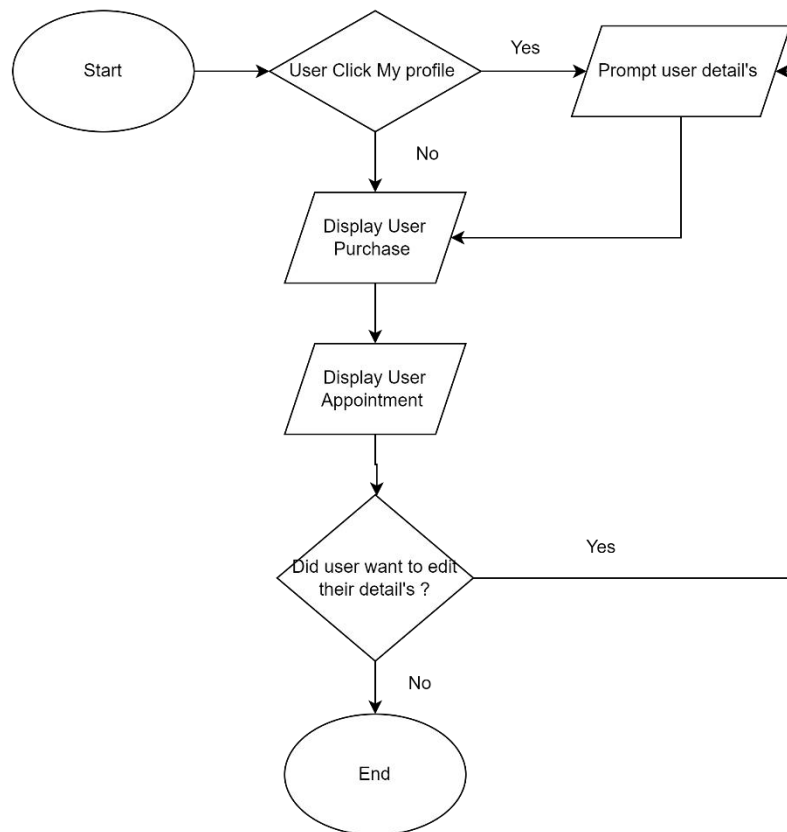
### Customer About Us



### Customer FAQ



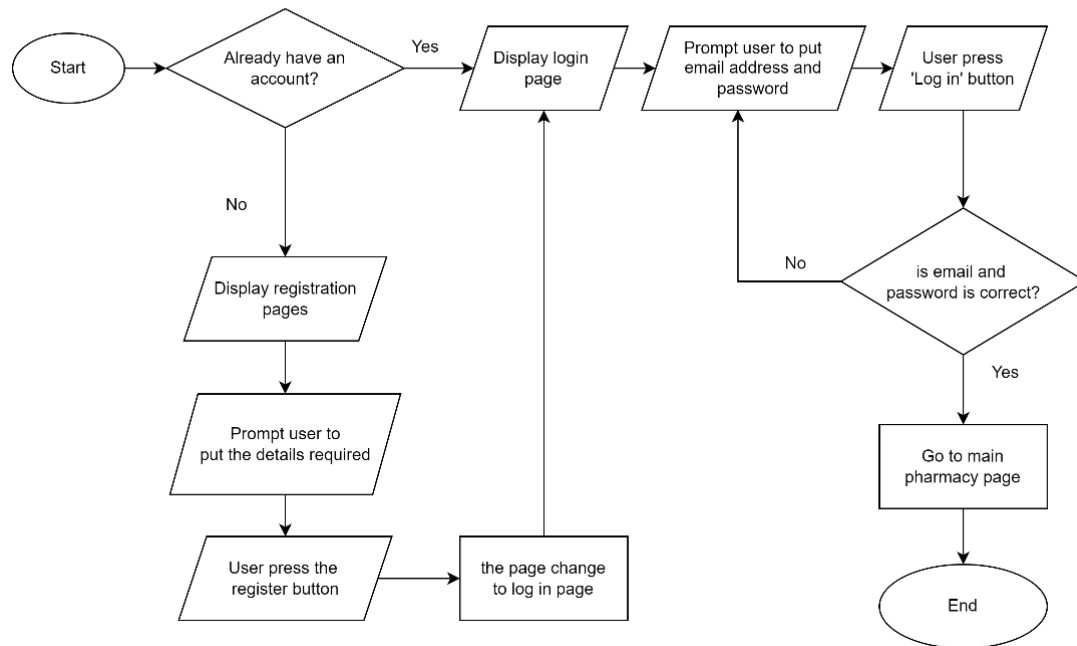
# Customer Profile Page



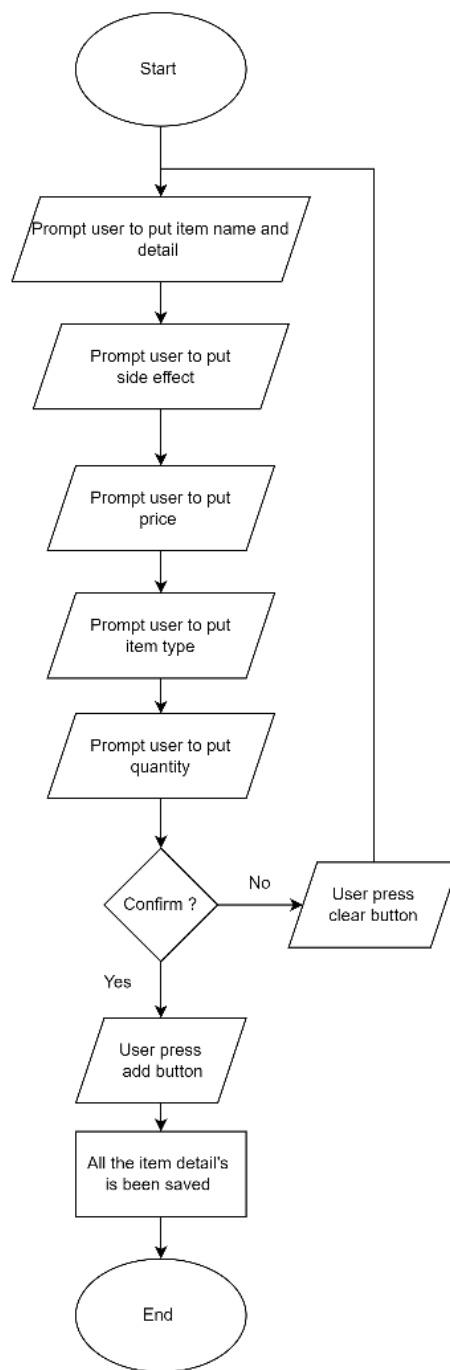


## Pharmacist

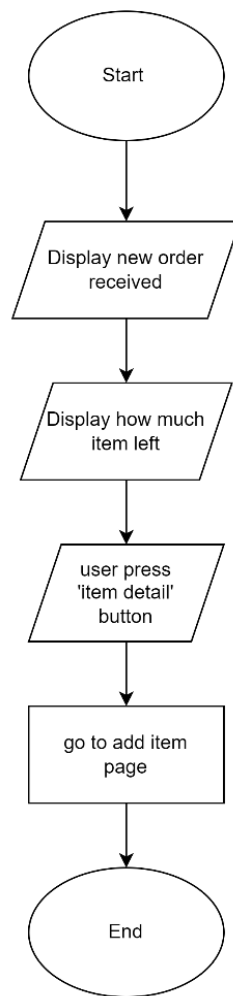
Pharmacist Login and Registration Page



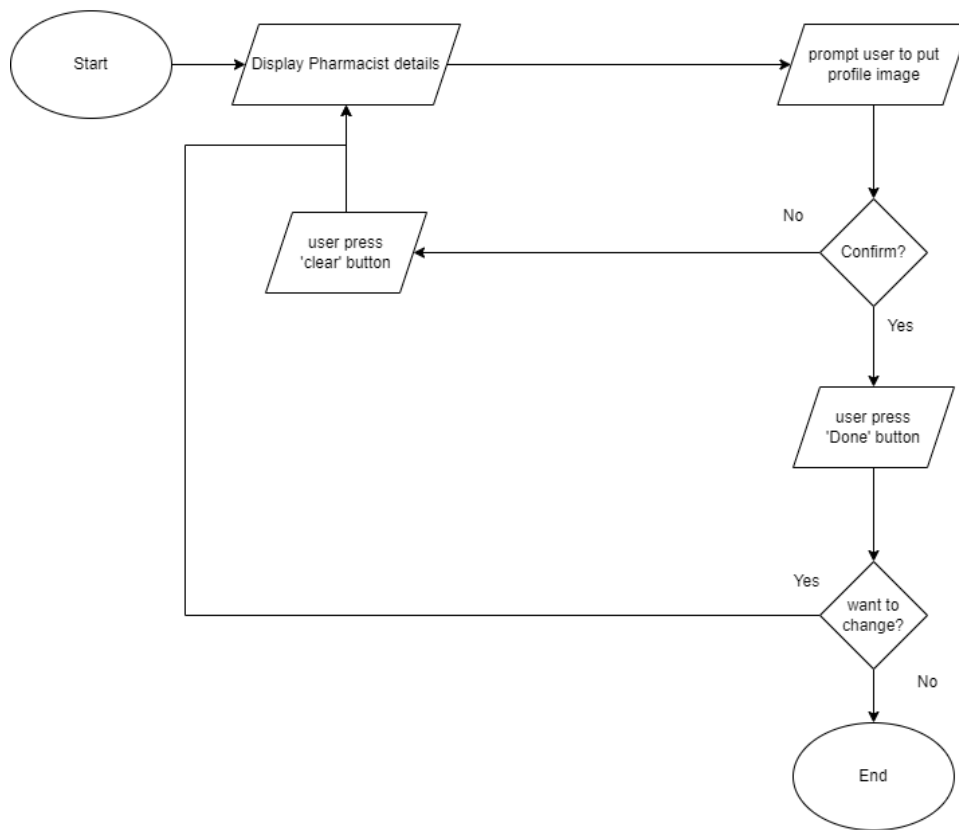
# Pharmacist Add item



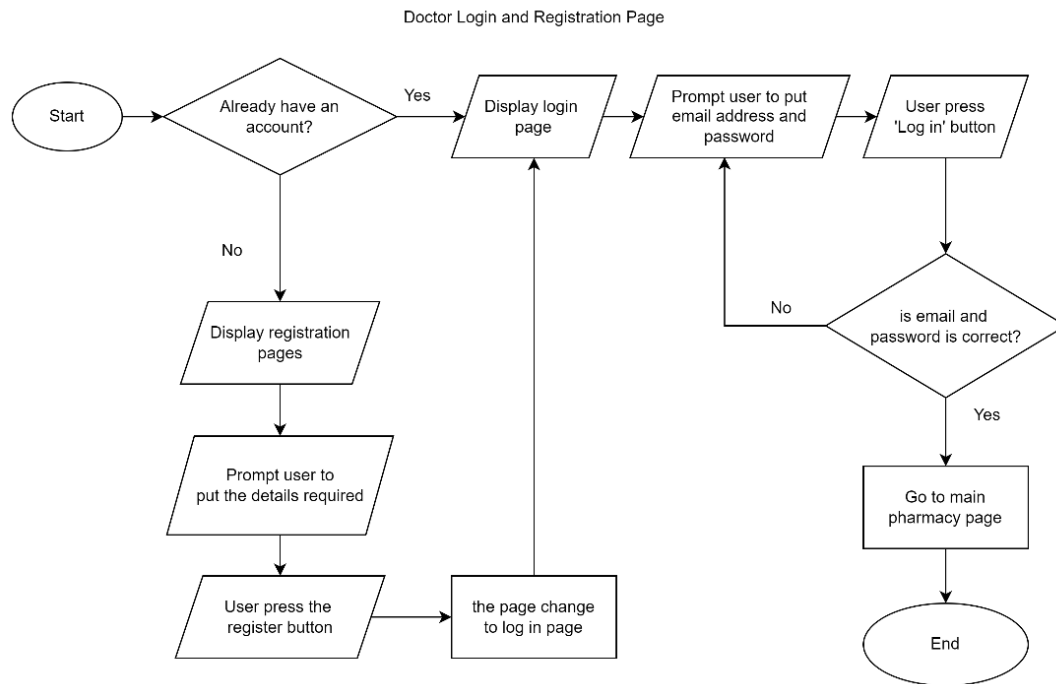
## Pharmacist Order Received

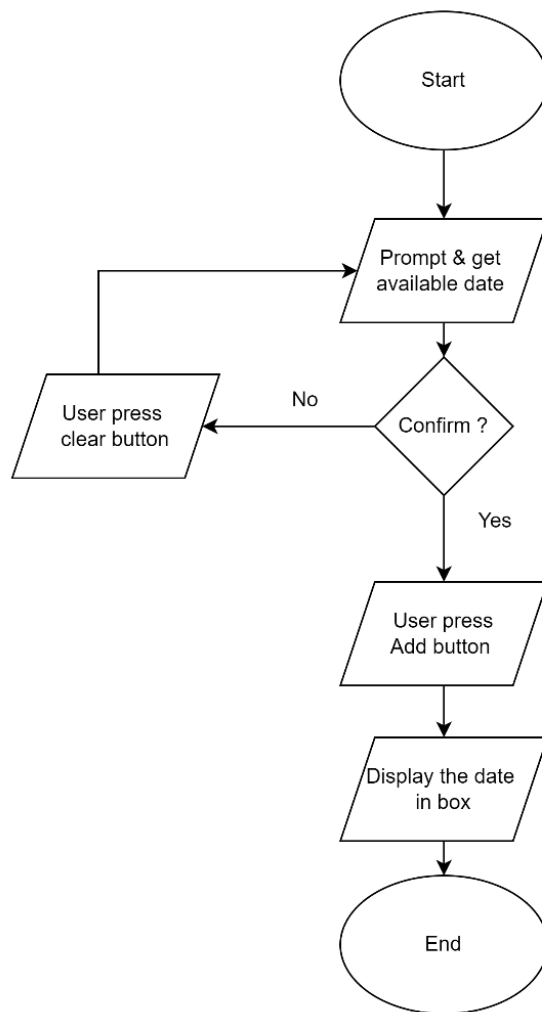


Pharmacist Profile Page

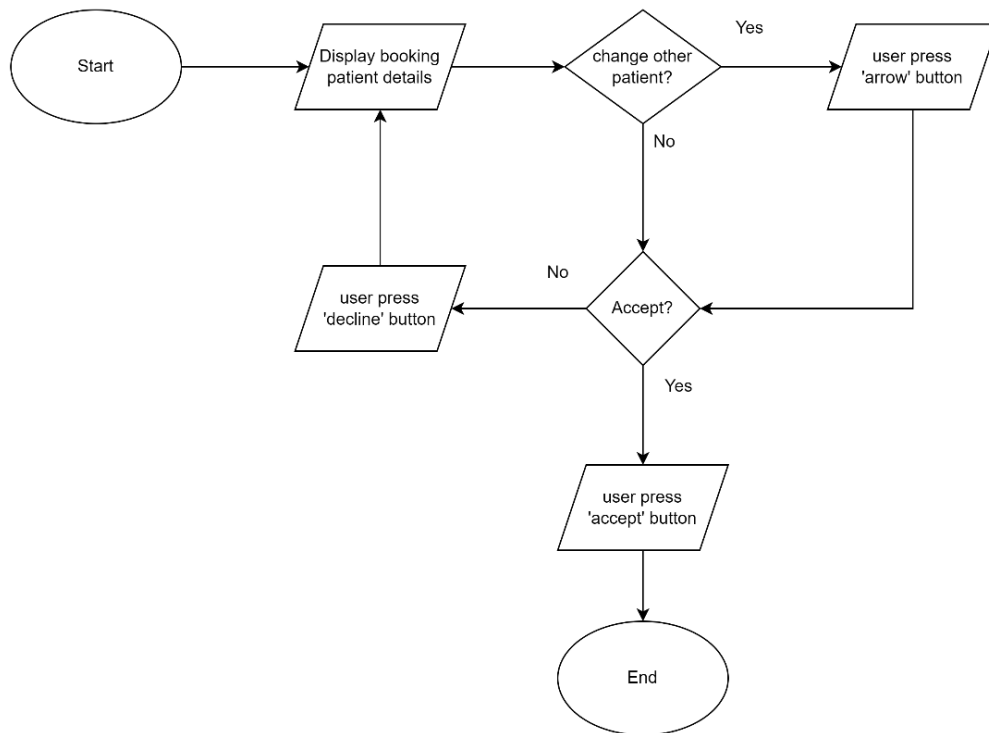


## Doctor

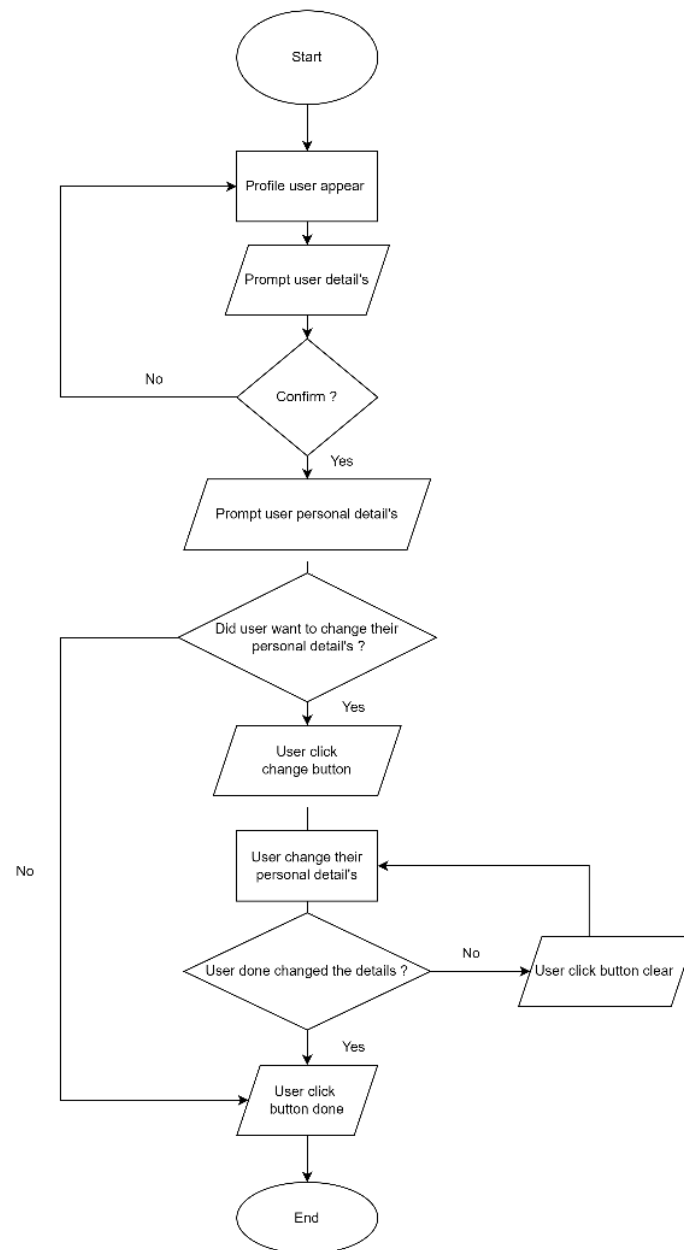




# Doctor Booking Page



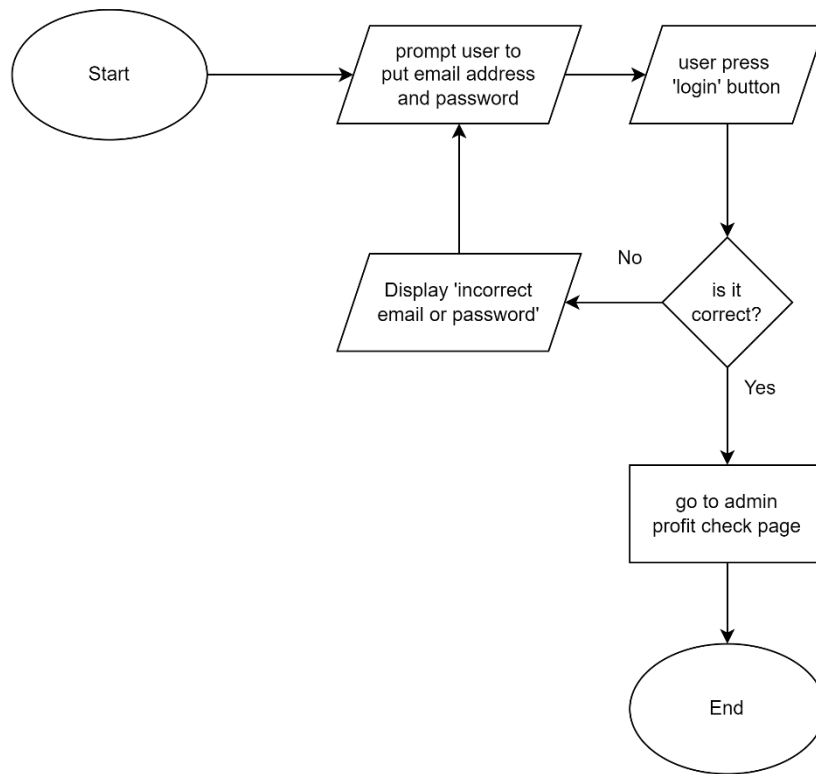
Doctor Profile User



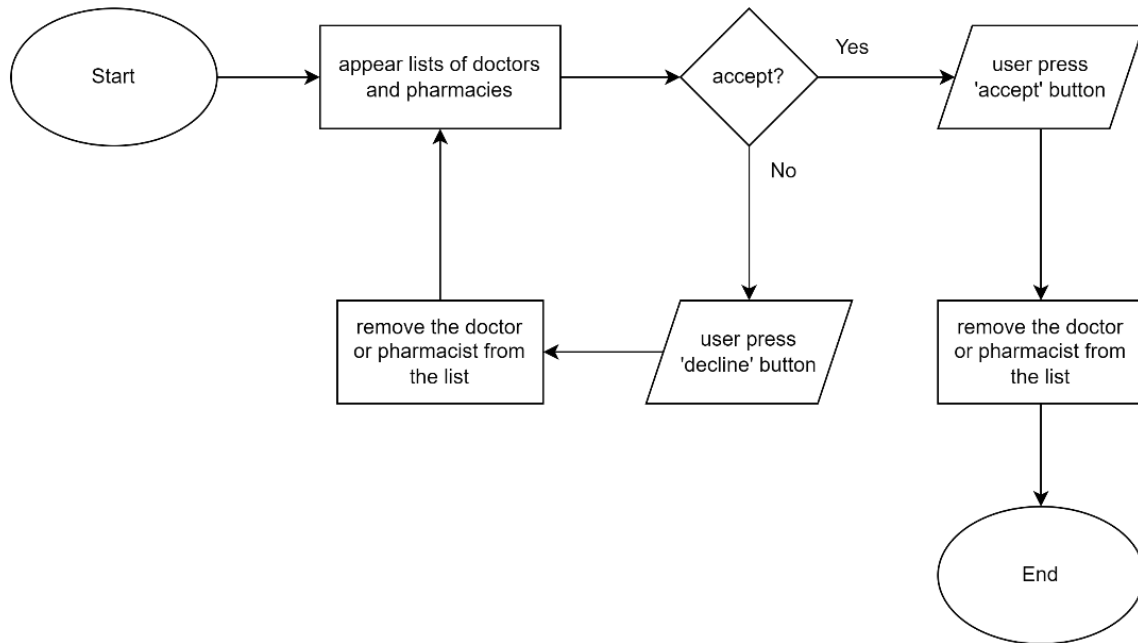


## Admin

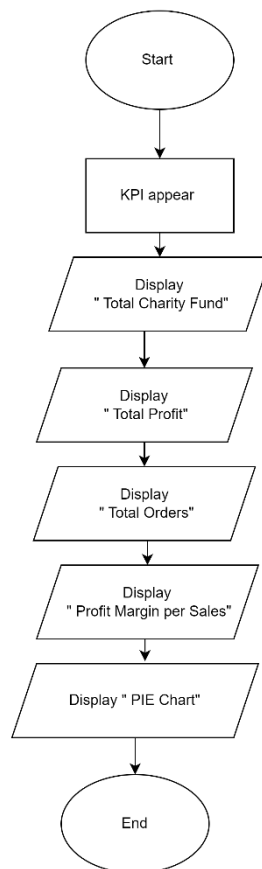
### Admin Login Page



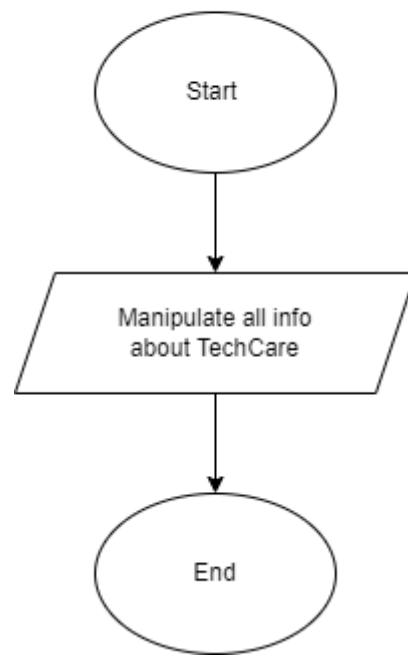
### Admin Partnership Page



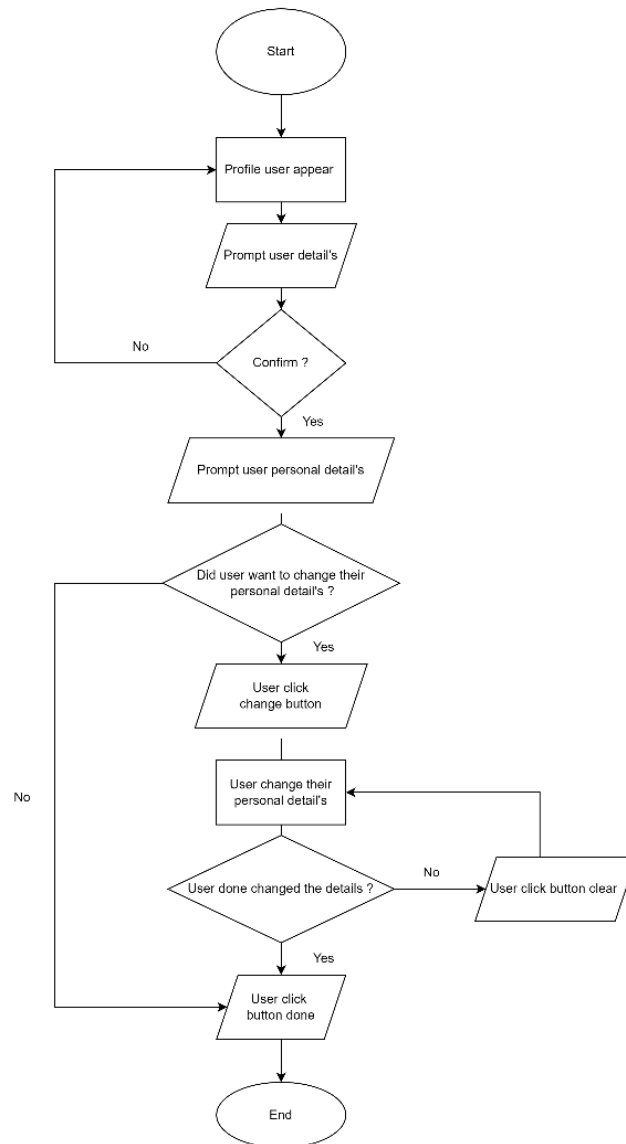
### Check Profit Admin



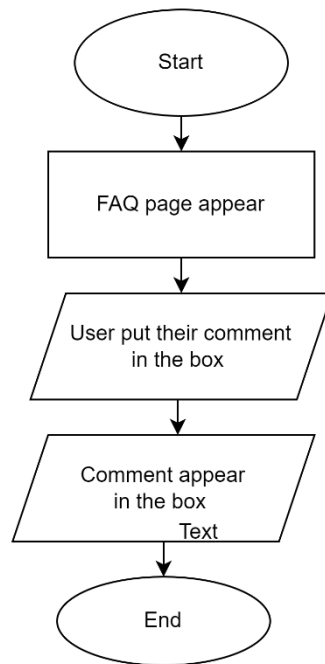
## Admin Info



# Admin Profile User



## Admin FAQ



### 4.3 System Visual Basic Codes

#### Choose User

```
Public Class CHOOSEFIRST

Public Property LoggedInUser As String

Public Sub New(SellerEmail As String)
    InitializeComponent()
    LoggedInUser = SellerEmail
End Sub

Private Sub PictureBox1_Click(sender As Object, e As EventArgs)
Handles PictureBox1.Click
    ' When PictureBox1 is clicked, create a new instance of the
customerlogin form
    ' and pass the LoggedInUser property to it.
    Dim logincust As New customerlogin(LoggedInUser)
    logincust.Show()

    Me.Hide() ' Hide the current form.
End Sub

Private Sub PictureBox2_Click(sender As Object, e As EventArgs)
Handles PictureBox2.Click
    ' When PictureBox2 is clicked, create a new instance of the
sellerlogin form
    ' and pass the LoggedInUser property to it.
    Dim logins As New sellerlogin(LoggedInUser)
    logins.Show()

    Me.Hide() ' Hide the current form.
End Sub

Private Sub PictureBox3_Click(sender As Object, e As EventArgs)
Handles PictureBox3.Click
    ' When PictureBox3 is clicked, create a new instance of the
doclogin form
    ' and pass the LoggedInUser property to it.
    Dim logindoctor As New doclogin(LoggedInUser)
    logindoctor.Show()

    Me.Hide() ' Hide the current form.
End Sub

Private Sub PictureBox4_Click(sender As Object, e As EventArgs)
Handles PictureBox4.Click
    ' When PictureBox4 is clicked, create a new instance of the login
form
    ' and pass the LoggedInUser property to it.
    Dim loginquest As New login(LoggedInUser)
    loginquest.Show()

    Me.Hide() ' Hide the current form.
```

```

End Sub

Private Sub GunaPictureBox9_Click(sender As Object, e As EventArgs)
Handles GunaPictureBox9.Click
    ' When GunaPictureBox9 is clicked, terminate the application.
End
End Sub

Private Sub GunaPanell1_Paint(sender As Object, e As PaintEventArgs)
Handles GunaPanell1.Paint
    ' This event is triggered when GunaPanell1 is being painted.
    ' You can add custom painting code here if needed.
End Sub
End Class

```

## Customer

### Login

```

Imports System.Collections.ObjectModel
Imports System.Data.OleDb
Imports System.Windows.Forms.VisualStyles.VisualStyleElement

Public Class customerlogin
    Dim conn As New OleDbConnection
    Public Property LoggedInUser As String

    Public Sub New(SellerEmail As String)
        InitializeComponent()
        LoggedInUser = SellerEmail
    End Sub

    Private Sub TextBox1_TextChanged(sender As Object, e As EventArgs)
Handles TextBox1.TextChanged
        ' This event is triggered when the text in TextBox1 is changed.
        ' You can add code here to handle the text change event if
needed.
    End Sub

    Private Sub customerlogin_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
        ' This event is triggered when the customerlogin form is loaded.
        ' It sets up the connection string for the OleDbConnection
object.
        conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents>LoginDatabase.accdb"
    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
        ' This event is triggered when Button1 is clicked.
        ' It performs the login process by checking the entered
credentials.

        If TextBox1.Text = Nothing Or MaskedTextBox1.Text = Nothing Then
            MsgBox("enter the credentials please") ' Prompt the user to
enter credentials if any of the fields is empty.

```

```

        Else
            If conn.State = ConnectionState.Closed Then
                conn.Open() ' Open the connection to the database if it's
currently closed.
            End If
            Dim cmd As New OleDbCommand("select count(*) from GuestData
where Email=? and Password=?", conn)
            cmd.Parameters.AddWithValue("@1", OleDbType.VarChar).Value =
TextBox1.Text
            cmd.Parameters.AddWithValue("@2", OleDbType.VarChar).Value =
MaskedTextBox1.Text
            Dim count = Convert.ToInt32(cmd.ExecuteScalar())

            If (count > 0) Then
                MsgBox("login success") ' Display a success message if
the login is successful.
                Dim customerPharmacyform As New
customerPharmacy(LoginUser)
                LoginUser = TextBox1.Text ' Update the LoginUser
property with the entered email.
                customerPharmacyform.Show() ' Show the customerPharmacy
form.
                Me.Hide() ' Hide the current form.
            Else
                MsgBox("check credentials") ' Display an error message if
the login is unsuccessful.
            End If
        End If
    End Sub

    Private Sub Label3_Click(sender As Object, e As EventArgs) Handles
Label3.Click
        ' This event is triggered when Label3 is clicked.
        ' It shows the customerregister form and hides the current form.
        customerregister.Show()
        Me.Hide()
    End Sub

    Private Sub Label4_Click(sender As Object, e As EventArgs) Handles
Label4.Click
        ' This event is triggered when Label4 is clicked.
        ' It shows the custFORGETPASS form and hides the current form.
        custFORGETPASS.Show()
        Me.Hide()
    End Sub
End Class

```

## Register

```

Imports System.Data.OleDb
Imports System.Net.Security
Imports System.Windows.Forms.VisualStyles.VisualStyleElement

Public Class customerregister
    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand

```



```

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
    ' This event is triggered when Button1 is clicked.
    ' It saves the customer registration information to the database.

    conn.Open() ' Open the connection to the database.
    cmd = conn.CreateCommand()
    cmd.CommandType = CommandType.Text
    Dim gender As String = ""

    If RadioButton1.Checked = True Then
        gender = "Female"
    ElseIf RadioButton2.Checked = True Then
        gender = "Male"
    End If

    Dim Age As String = CStr(NumericUpDown1.Value)
    cmd.CommandText = "INSERT INTO
GuestData(GuestName,Email,[Password],IC,Phone,Address,Gender,Age) values
('" + TextBox1.Text + "','" + TextBox2.Text + "','" + MaskedTextBox1.Text
+ "','" + MaskedTextBox2.Text + "','" + TextBox3.Text + "','" +
MaskedTextBox3.Text + "','" + gender + "','" + Age + "')"
    cmd.Parameters.AddWithValue("@Gender", gender)
    cmd.Parameters.AddWithValue("@Age", Age)
    cmd.ExecuteNonQuery()
    conn.Close()
    MessageBox.Show("record saved") ' Display a message indicating
that the record is saved.
End Sub

    Private Sub customerregister_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
    ' This event is triggered when the customerregister form is
loaded.
    ' It sets up the connection string for the OleDbConnection
object.
    conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents>LoginDatabase.accdb"
End Sub

End Class

```

## Forgot Password

```

Imports System.Data.OleDb
Imports System.Net
Imports System.Net.Mail
Imports System.Text.RegularExpressions
Imports Guna.UI.WinForms

Public Class custFORGETPASS
    Dim randomCode As String
    Public Shared toUser As String
    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand

```

```

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
    ' This event is triggered when Button1 is clicked.
    ' It checks if the entered code matches the randomly generated
code.
    If (GunaTextBox2.Text.Equals(randomCode)) Then
        toUser = GunaTextBox1.Text
        Dim query As String = "UPDATE GuestData SET Password =
@Password"
        conn.Open()
        Dim cmd As New OleDbCommand(query, conn)
        cmd.Parameters.AddWithValue("@Password", GunaTextBox6.Text)
        conn.Close()
    Else
        MessageBox.Show("Wrong Code") ' Display an error message if
the code is incorrect.
    End If
End Sub

    Private Sub GunaLinkLabel1_LinkClicked(sender As Object, e As
LinkLabelLinkClickedEventArgs) Handles GunaLinkLabel1.LinkClicked
    ' This event is triggered when GunaLinkLabel1 is clicked.
    ' It sends a reset code to the provided email address.
    Dim from, pass, messageBody As String
    Dim rand As Random = New Random()
    randomCode = (rand.Next(999999)).ToString()
    Dim message As MailMessage = New MailMessage()
    toUser = GunaTextBox1.Text
    from = "taufiqifwat106@gmail.com"
    pass = "040610110335"
    messageBody = "Your reset code is " + randomCode
    message.To.Add(toUser)
    message.From = New MailAddress(from)
    message.Body = messageBody
    message.Subject = "Password resetting code"
    Dim smtp As SmtpClient = New SmtpClient("smtp.gmail.com")
    smtp.EnableSsl = True
    smtp.Port = 587
    smtp.DeliveryMethod = SmtpDeliveryMethod.Network
    smtp.Credentials = New NetworkCredential(from,
"ppmroxmxklijxjo")
    Try
        smtp.Send(message) ' Send the email with the reset code.
        MessageBox.Show("Please check your email and enter the code
in the enter code textbox")
    Catch ex As Exception
        MessageBox.Show(ex.Message) ' Display an error message if the
email sending fails.
    End Try
End Sub

    Private Sub custFORGETPASS_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
    ' This event is triggered when the custFORGETPASS form is loaded.
    ' It sets up the connection string for the OleDbConnection
object.

```

```

        conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents\LoginDatabase.accdb"
    End Sub
End Class

```

## Online Pharmacy

```

Imports System.Data.OleDb
Imports Guna.UI.WinForms

Public Class customerpharmacy
    Dim conn As New OleDbConnection
    Private grandTotal As Double = 0
    Public Property LoggedInUser As String

    Public Sub New(Email As String)
        InitializeComponent()
        LoggedInUser = Email
    End Sub

    Public ReadOnly Property SelectedItems As ListBox.ObjectCollection
        Get
            Return ListBox1.Items
        End Get
    End Property

    Private Sub Button4_Click(sender As Object, e As EventArgs) Handles
Button4.Click
        ' This event is triggered when Button4 is clicked.
        ' It opens the customerprofile form and hides the current form.
        Dim customerprofile As New custPROFILE(LoggedInUser)
        customerprofile.Show()
        Me.Hide()
    End Sub

    Private Sub customerpharmacy_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
        ' This event is triggered when the customerpharmacy form is
loaded.
        ' It sets up the connection string for the OleDbConnection object
and loads the items from the database.
        conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents\LoginDatabase.accdb"
        LoadItemsFromDatabase()
        FlowLayoutPanel1.Controls.Clear()
    End Sub

    Private Sub LoadItemsFromDatabase()
        ' Clear existing controls
        FlowLayoutPanel1.Controls.Clear()

        ' Retrieve items from the database
        Dim query As String = "SELECT ItemName, ItemPrice, ImageData,
ItemDetail FROM DatabaseItem"
        Dim cmd As New OleDbCommand(query, conn)

        Try

```

```

conn.Open()
Dim reader As OleDbDataReader = cmd.ExecuteReader()

While reader.Read()
    Dim itemName As String = reader.GetString(2)
    Dim itemDetails As String = reader.GetString(6)
    Dim itemPrice As Double = reader.GetDouble(3)
    Dim itemImageBytes() As Byte =
DirectCast(reader.GetValue(5), Byte())
    Dim itemImage As Image = BytesToImage(itemImageBytes)

    ' Create item panel
    Dim itemPanel As New Panel()
    itemPanel.BackColor = Color.Transparent
    itemPanel.BorderStyle = BorderStyle.FixedSingle
    itemPanel.Size = New Size(269, 110)

    ' Add picturebox
    Dim pictureBox As New PictureBox()
    pictureBox.Image = itemImage
    pictureBox.SizeMode = PictureBoxSizeMode.StretchImage
    pictureBox.Size = New Size(73, 69)
    pictureBox.Location = New Point(13, 6)
    itemPanel.Controls.Add(pictureBox)

    ' Add name textbox
    Dim txtname As New GunaLineTextBox()
    txtname.Text = itemName
    txtname.Size = New Size(142, 29)
    txtname.Location = New Point(114, -1)
    txtname.BackColor = Color.White
    itemPanel.Controls.Add(txtname)

    ' Add price label
    Dim priceLabel As New Label()
    priceLabel.Text = "RM" & itemPrice.ToString("0.00")
    priceLabel.BackColor = Color.White
    priceLabel.AutoSize = True
    priceLabel.Location = New Point(111, 29)
    itemPanel.Controls.Add(priceLabel)

    ' Add info button
    Dim infoButton As New Button()
    infoButton.Text = "Info"
    infoButton.Size = New Size(51, 27)
    infoButton.Location = New Point(115, 70)
    AddHandler infoButton.Click, Sub(sender As Object, args
As EventArgs)

ShowItemInfo(itemDetails)

End Sub

    itemPanel.Controls.Add(infoButton(Continued) :

    ' Add add to cart button
    Dim addButton As New Button()
    addButton.Text = "Add"
    addButton.Size = New Size(172, 70)

```

```

        addButton.Location = New Point(95, 160)
        AddHandler addButton.Click, Sub(sender As Object, args As
EventArgs)
            AddToCart(itemName)
        End Sub
        itemPanel.Controls.Add(addButton)

        FlowLayoutPanel1.Controls.Add(itemPanel)
    End While

    reader.Close()
    Catch ex As Exception
        MessageBox.Show("Error retrieving items from the database: "
& ex.Message)
    Finally
        conn.Close()
    End Try
End Sub

Private Sub ShowItemInfo(itemName As String)
    ' Retrieve item info from the database based on the item name
    Dim query As String = "SELECT ItemDetails FROM DatabaseItem WHERE
Name = ?"
    Dim cmd As New OleDbCommand(query, conn)
    cmd.Parameters.AddWithValue("@Name", itemName)

    Try
        conn.Open()
        Dim ItemDetails As String = cmd.ExecuteScalar().ToString()
        MessageBox.Show(ItemDetails, "Item Information")
    Catch ex As Exception
        MessageBox.Show("Error retrieving item information: " &
ex.Message)
    Finally
        conn.Close()
    End Try
End Sub

Private Sub AddToCart(itemName As String)
    ListBox1.Items.Add(itemName)
    MessageBox.Show(itemName & " added to cart!", "Add to Cart")
End Sub

Private Function BytesToImage(imageBytes() As Byte) As Image
    ' Convert byte array to Image
    Using stream As New IO.MemoryStream(imageBytes)
        Return Image.FromStream(stream)
    End Using
End Function

Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
Button2.Click
    ' This event is triggered when Button2 is clicked.
    ' It opens the customerappointment form and hides the current
form.
    Dim customerappointment As New custAPPOINTMENT(LoginUser)
    customerappointment.Show()

```

```

        Me.Hide()
    End Sub

    Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
Button3.Click
        ' This event is triggered when Button3 is clicked.
        ' It opens the customertracker form and hides the current form.
        Dim customertracker As New custTRACKER(LoggedInUser)
        customertracker.Show()
        Me.Hide()
    End Sub

    Private Sub Button7_Click(sender As Object, e As EventArgs) Handles
Button7.Click
        ' This event is triggered when Button7 is clicked.
        ' It opens the custprog form and hides the current form.
        Dim custprog As New custPROG1(LoggedInUser)
        custprog.Show()
        Me.Hide()
    End Sub

    Private Sub Button6_Click(sender As Object, e As EventArgs) Handles
Button6.Click
        ' This event is triggered when Button6 is clicked.
        ' It opens the custaboutus form and hides the current form.
        Dim custaboutus As New custABOUT(LoggedInUser)
        custaboutus.Show()
        Me.Hide()
    End Sub

    Private Sub Button5_Click(sender As Object, e As EventArgs) Handles
Button5.Click
        ' This event is triggered when Button5 is clicked.
        ' It opens the customerfaq form and hides the current form.
        Dim customerfaq As New custFAQ(LoggedInUser)
        customerfaq.Show()
        Me.Hide()
    End Sub

    Private Sub FlowLayoutPanel1_Paint(sender As Object, e As
PaintEventArgs) Handles FlowLayoutPanel1.Paint
        ' This event is triggered when the FlowLayoutPanel1 is being
        painted.
        ' You can add custom painting code here if needed.
    End Sub

    Private Sub Button8_Click(sender As Object, e As EventArgs) Handles
Button8.Click
        ' This event is triggered when Button8 is clicked.
        ' It clears the items in the ListBox.
        ListBox1.Items.Clear()
    End Sub
End Class

```

## Payment

```
Imports System.Data.OleDb
```

```

Imports System.Windows.Forms.VisualStyles.VisualStyleElement
Imports Guna.UI.WinForms

Public Class custPAY1
    Public Property LoggedInUser As String
    Public Sub New(Email As String)
        InitializeComponent()
        LoggedInUser = Email
    End Sub

    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand

    Private Sub GunaButton1_Click(sender As Object, e As EventArgs) Handles GunaButton1.Click
        ' This event is triggered when GunaButton1 is clicked.
        ' It saves the payment details to the database and shows the
        custPAY2 form.

        ' Set up the connection string for the OleDbConnection object.
        conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents>LoginDatabase.accdb"
        conn.Open()

        ' Create the command object and set the command text.
        cmd = conn.CreateCommand()
        cmd.CommandType = CommandType.Text
        cmd.CommandText = "INSERT INTO
GuestData(CardHolderName,Cardnumber,CardDate,CardCCV) values ('" +
GunaTextBox1.Text + "','" + GunaTextBox2.Text + "','" + GunaTextBox3.Text
+ "','" + GunaTextBox4.Text + "')"

        ' Execute the command to insert the payment details into the
        database.
        cmd.ExecuteNonQuery()
        conn.Close()
        MessageBox.Show("record saved")

        ' Show the custPAY2 form and hide the current form.
        Dim pay2 As New custPAY2(LoggedInUser)
        pay2.Show()
        Me.Hide()
    End Sub

    Private Sub custPAY1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        ' This event is triggered when the custPAY1 form is loaded.
        ' You can perform any necessary initialization tasks here.
    End Sub

    Private Sub GunaLabel12_Click(sender As Object, e As EventArgs) Handles GunaLabel12.Click
        ' This event is triggered when GunaLabel12 is clicked.
        ' You can add custom code here if needed.
    End Sub

```

```

    Private Sub Button5_Click(sender As Object, e As EventArgs) Handles
Button5.Click
        ' This event is triggered when Button5 is clicked.
        ' It opens the custFAQ form and hides the current form.
        Dim customerfaq As New custFAQ(LoggedInUser)
        customerfaq.Show()
        Me.Hide()
    End Sub

    Private Sub Button6_Click(sender As Object, e As EventArgs) Handles
Button6.Click
        ' This event is triggered when Button6 is clicked.
        ' It opens the custaboutus form and hides the current form.
        Dim custaboutus As New custABOUT(LoggedInUser)
        custaboutus.Show()
        Me.Hide()
    End Sub

    Private Sub Button7_Click(sender As Object, e As EventArgs) Handles
Button7.Click
        ' This event is triggered when Button7 is clicked.
        ' It opens the custprog form and hides the current form.
        Dim custprog As New custPROG1(LoggedInUser)
        custprog.Show()
        Me.Hide()
    End Sub

    Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
Button3.Click
        ' This event is triggered when Button3 is clicked.
        ' It opens the customertracker form and hides the current form.
        Dim customertracker As New custTRACKER(LoggedInUser)
        customertracker.Show()
        Me.Hide()
    End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
Button2.Click
        ' This event is triggered when(Continued):

        ' Button2 is clicked.
        ' It opens the customerappointment form and hides the current
form.
        Dim customerappointment As New custAPPOINTMENT(LoggedInUser)
        customerappointment.Show()
        Me.Hide()
    End Sub

    Private Sub Button4_Click(sender As Object, e As EventArgs) Handles
Button4.Click
        ' This event is triggered when Button4 is clicked.
        ' It opens the customerprofile form and hides the current form.
        Dim customerprofile As New custPROFILE(LoggedInUser)
        customerprofile.Show()
        Me.Hide()
    End Sub
End Class

```



## Receipt

```
Imports System.Text

Public Class custPAY2
    Public Property LoggedInUser As String
    Public Sub New(Email As String)
        InitializeComponent()
        LoggedInUser = Email
    End Sub

    Private Sub custPAY2_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        ' This event is triggered when the custPAY2 form is loaded.
        ' It sets the current date and time in GunaLabel12.
        GunaLabel12.Text = DateTime.Now.ToString("MM/dd/yyyy")
    End Sub

    Private Sub Button10_Click(sender As Object, e As EventArgs) Handles Button10.Click
        ' This event is triggered when Button10 is clicked.
        ' It builds a receipt and displays it in a message box.

        ' Create a StringBuilder to build the receipt
        Dim receiptBuilder As New StringBuilder()

        ' Add the receipt header
        receiptBuilder.AppendLine("Receipt")
        receiptBuilder.AppendLine("-----")

        ' Add the total to the receipt
        receiptBuilder.AppendLine("-----")
        receiptBuilder.AppendLine("Total:" & GunaLabel9.Text)

        ' Display the receipt in a message box
        MessageBox.Show(receiptBuilder.ToString(), "Receipt")
    End Sub

    Private Sub GunaLabel12_Click(sender As Object, e As EventArgs) Handles GunaLabel12.Click
        ' This event is triggered when GunaLabel12 is clicked.
        ' You can add custom code here if needed.
    End Sub

    Private Sub Button5_Click(sender As Object, e As EventArgs) Handles Button5.Click
        ' This event is triggered when Button5 is clicked.
        ' It opens the custFAQ form and hides the current form.
        Dim customerfaq As New custFAQ(LoggedInUser)
        customerfaq.Show()
        Me.Hide()
    End Sub

    Private Sub Button6_Click(sender As Object, e As EventArgs) Handles Button6.Click
        ' This event is triggered when Button6 is clicked.
    End Sub
```

```

        ' It opens the custaboutus form and hides the current form.
        Dim custaboutus As New custABOUT(LoginUser)
        custaboutus.Show()
        Me.Hide()
    End Sub

    Private Sub Button7_Click(sender As Object, e As EventArgs) Handles
Button7.Click
        ' This event is triggered when Button7 is clicked.
        ' It opens the custprog form and hides the current form.
        Dim custprog As New custPROG1(LoginUser)
        custprog.Show()
        Me.Hide()
    End Sub

    Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
Button3.Click
        ' This event is triggered when Button3 is clicked.
        ' It opens the customertracker form and hides the current form.
        Dim customertracker As New custTRACKER(LoginUser)
        customertracker.Show()
        Me.Hide()
    End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
Button2.Click
        ' This event is triggered when Button2 is clicked.
        ' It opens the customerappointment form and hides the current
form.
        Dim customerappointment As New custAPPOINTMENT(LoginUser)
        customerappointment.Show()
        Me.Hide()
    End Sub

    Private Sub Button4_Click(sender As Object, e As EventArgs) Handles
Button4.Click
        ' This event is triggered when Button4 is clicked.
        ' It opens the customerprofile form and hides the current form.
        Dim customerprofile As New custPROFILE(LoginUser)
        customerprofile.Show()
        Me.Hide()
    End Sub
End Class

```

## Appointment

```

Imports System.Data.OleDb
Imports System.Net.Security
Imports System.IO

Public Class custAPPOINTMENT
    ' Define the connection strings and connections for various database
interactions
    Dim ConnectionString As String =
"Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents\LoginDatabase.accdb"
    Dim connection As New OleDbConnection(ConnectionString)

```

```

Dim appointmentConnection As New OleDbConnection(ConnectionString)
Dim doctorConnection As New OleDbConnection(ConnectionString)
Dim bookingConnection As New OleDbConnection(ConnectionString)
Dim guestConnection As New OleDbConnection(ConnectionString)

Public Property LoggedInUser As String
Public Sub New(Email As String)
    InitializeComponent()
    LoggedInUser = Email
End Sub

Private Sub custAPPOINTMENT_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
    ' This event is triggered when the custAPPOINTMENT form is
loaded.
    ' It calls the LoadAppointmentDates method to populate the
appointment dates.
    LoadAppointmentDates()
End Sub

Private Sub LoadAppointmentDates()
    ' Clear the existing controls in the FlowLayoutPanel
FlowLayoutPanel1.Controls.Clear()

    ' Retrieve appointment dates and doctor emails from the database
Dim selectQuery As String = "SELECT DoctorDate, DoctorEmail FROM
DoctorAvailability"
Dim command As New OleDbCommand(selectQuery,
appointmentConnection)
appointmentConnection.Open()
Dim reader As OleDbDataReader = command.ExecuteReader()

While reader.Read()
    ' Retrieve the appointment date and doctor email from the
reader

    Dim appointmentDate As Date = reader.GetDateTime(2)
    Dim doctorEmail As String = reader.GetString(0)

    ' Create a panel to display the appointment details
Dim panel As New Panel()
panel.Size = New Size(200, 120)
panel.Margin = New Padding(5)

    ' Create a label to display the appointment date
Dim label As New Label()
label.Text = appointmentDate.ToShortDateString()
label.Location = New Point(413, 117)
label.TextAlign = ContentAlignment.MiddleCenter

    ' Retrieve doctor information using the doctor email
Dim doctorInfo As (Name As String, CompanyName As String) =
GetDoctorInfo(doctorEmail)

    ' Create labels to display the doctor name and company name
Dim doctorNameLabel As New Label()
doctorNameLabel.Location = New Point(11, 7)
doctorNameLabel.TextAlign = ContentAlignment.MiddleCenter

```

```

        doctorNameLabel.Text = "Doctor: " & doctorInfo.Name

        Dim companyNameLabel As New Label()
        companyNameLabel.Location = New Point(184, 32)
        companyNameLabel.TextAlign = ContentAlignment.MiddleCenter
        companyNameLabel.Text = doctorInfo.CompanyName

        ' Create a TextBox for the patient to enter the problem
description
        Dim problemTextBox As New TextBox()
        problemTextBox.Location = New Point(16, 87)
        problemTextBox.Multiline = True
        problemTextBox.ScrollBars = ScrollBars.Vertical

        ' Create a label for the problem TextBox
        Dim problemlabel As New Label()
        problemlabel.Text = "PROBLEM"
        problemlabel.Location = New Point(13, 55)

        ' Create a button to book the appointment
        Dim bookButton As New Button()
        bookButton.Text = "Book"
        bookButton.Tag = (appointmentDate, problemTextBox,
doctorEmail)
        AddHandler bookButton.Click, AddressOf BookButton_Click

        ' Add the controls to the panel
        panel.Controls.Add(label)
        panel.Controls.Add(doctorNameLabel)
        panel.Controls.Add(companyNameLabel)
        panel.Controls.Add(problemTextBox)
        panel.Controls.Add(bookButton)
        panel.Controls.Add(problemlabel)

        ' Add the panel to the FlowLayoutPanel
        FlowLayoutPanel1.Controls.Add(panel)
    End While

    reader.Close()
    appointmentConnection.Close()
End Sub

Private Function GetDoctorInfo(doctorEmail As String) As (Name As
String, CompanyName As String)
    ' Retrieve doctor information (name and company name) using the
doctor email
    Dim selectQuery As String = "SELECT DoctorName, DoctorPharmacy
FROM DoctorData WHERE DoctorEmail = @DoctorEmail"
    Dim command As New OleDbCommand(selectQuery, doctorConnection)
    command.Parameters.AddWithValue("@DoctorEmail", doctorEmail)
    doctorConnection.Open()
    Dim reader As OleDbDataReader = command.ExecuteReader()

    Dim doctorName As String = String.Empty
    Dim doctorPharmacy As String = String.Empty

    If reader.Read() Then

```

```

        doctorName = reader.GetString(0)
        doctorPharmacy = reader.GetString(5)
    End If

    reader.Close()
    doctorConnection.Close()

    Return (doctorName, doctorPharmacy)
End Function

Private Function GetGuestName(email As String) As String
    ' Retrieve the guest name using the guest email
    Dim selectQuery As String = "SELECT GuestName FROM GuestData
WHERE Email = @Email"
    Dim command As New OleDbCommand(selectQuery, guestConnection)
    command.Parameters.AddWithValue("@Email", email)
    guestConnection.Open()
    Dim guestName As String =
Convert.ToString(command.ExecuteScalar())
    guestConnection.Close()
    Return guestName
End Function

Private Sub BookButton_Click(sender As Object, e As EventArgs)
    ' Handle the click event of the Book button
    Dim bookButton As Button = DirectCast(sender, Button)
    Dim appointmentDate As Date = DirectCast(bookButton.Tag, (Date,
TextBox, String)).Item1
    Dim problemTextBox As TextBox = DirectCast(bookButton.Tag, (Date,
TextBox, String)).Item2
    Dim doctorEmail As String = DirectCast(bookButton.Tag, (Date,
TextBox, String)).Item3
    Dim problem As String = problemTextBox.Text

    ' Retrieve the guest name using the guest email
    Dim guestName As String = GetGuestName(LoggedInUser)

    ' Insert the booking details into the database
    Dim insertQuery As String = "INSERT INTO Booking (BookDate,
Problem, DoctorEmail, PatientName, GuestEmail) VALUES (@BookingDate,
@Problem, @DoctorEmail, @GuestName, @GuestEmail)"
    Dim command As New OleDbCommand(insertQuery, bookingConnection)
    command.Parameters.AddWithValue("@BookDate", appointmentDate)
    command.Parameters.AddWithValue("@Problem", problem)
    command.Parameters.AddWithValue("@DoctorEmail", doctorEmail)
    command.Parameters.AddWithValue("@GuestName", guestName)
    command.Parameters.AddWithValue("@GuestEmail", LoggedInUser)
    bookingConnection.Open()
    command.ExecuteNonQuery()
    bookingConnection.Close()

    MessageBox.Show("Date booked successfully!")

    ' Reload the appointment dates
    LoadAppointmentDates()
End Sub

```

```

' Event handlers for other buttons and controls
Private Sub GunaGroupBox1_Click(sender As Object, e As EventArgs) Handles GunaGroupBox1.Click

End Sub

Private Sub Label15_Click(sender As Object, e As EventArgs) Handles Label15.Click

End Sub

Private Sub Button5_Click(sender As Object, e As EventArgs) Handles Button5.Click
    Dim customerfaq As New custFAQ(LoggedInUser)
    customerfaq.Show()
    Me.Hide()
End Sub

Private Sub Button6_Click(sender As Object, e As EventArgs) Handles Button6.Click
    Dim custaboutus As New custABOUT(LoggedInUser)
    custaboutus.Show()
    Me.Hide()
End Sub

Private Sub Button7_Click(sender As Object, e As EventArgs) Handles Button7.Click
    Dim custprog As New custPROG1(LoggedInUser)
    custprog.Show()
    Me.Hide()
End Sub

Private Sub Button4_Click(sender As Object, e As EventArgs) Handles Button4.Click
    Dim customerprofile As New custPROFILE(LoggedInUser)
    customerprofile.Show()
    Me.Hide()
End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    Dim customerpharmacy As New customerpharmacy(LoggedInUser)
    customerpharmacy.Show()
    Me.Hide()
End Sub
End Class

```

## Tracker

```

Public Class custTRACKER
Private Sub Button9_Click(sender As Object, e As EventArgs) Handles Button9.Click
    ' Retrieve the input from TextBox1
    Dim ubat As String = TextBox1.Text

    ' Retrieve the selected time from ComboBox1
    Dim time As String = ComboBox1.SelectedItem.ToString

```

```
' Check the selected time and update the corresponding Label
If time = "7.00" Then
    Label23.Text = ubat

ElseIf time = "8.00" Then
    Label24.Text = ubat

ElseIf time = "9.00" Then
    Label25.Text = ubat

ElseIf time = "10.00" Then
    Label26.Text = ubat

ElseIf time = "11.00" Then
    Label27.Text = ubat

ElseIf time = "12.00" Then
    Label28.Text = ubat

ElseIf time = "13.00" Then
    Label29.Text = ubat

ElseIf time = "14.00" Then
    Label30.Text = ubat

ElseIf time = "15.00" Then
    Label31.Text = ubat

ElseIf time = "16.00" Then
    Label32.Text = ubat

ElseIf time = "17.00" Then
    Label33.Text = ubat

ElseIf time = "18.00" Then
    Label34.Text = ubat

ElseIf time = "19.00" Then
    Label35.Text = ubat

ElseIf time = "20.00" Then
    Label36.Text = ubat

ElseIf time = "21.00" Then
    Label37.Text = ubat

ElseIf time = "22.00" Then
    Label38.Text = ubat

ElseIf time = "23.00" Then
    Label39.Text = ubat

ElseIf time = "00.00" Then
    Label40.Text = ubat

End If
```

```

End Sub

Private Sub Button8_Click(sender As Object, e As EventArgs) Handles
Button8.Click
    ' Clear the contents of TextBox1
    TextBox1.Clear()

End Sub
End Class

```

## Programme

```

Public Class custPROG1
Public Property LoggedInUser As String

Public Sub New(Email As String)
    InitializeComponent()
    LoggedInUser = Email
End Sub

Private Sub GunaPanell1_Paint(sender As Object, e As PaintEventArgs)
Handles GunaPanell1.Paint
    ' Paint event handler for GunaPanell1
    ' Add custom painting code or leave it blank
End Sub

Private Sub Button9_Click(sender As Object, e As EventArgs) Handles
Button9.Click
    ' Button9 click event handler
    ' Create a new instance of custPROG3 form and show it
    Dim program3 As New custPROG3(LoggedInUser)
    program3.Show()

    Me.Hide() ' Hide the current form
End Sub

Private Sub Button8_Click(sender As Object, e As EventArgs) Handles
Button8.Click
    ' Button8 click event handler
    ' Create a new instance of custPROG2 form and show it
    Dim program2 As New custPROG2(LoggedInUser)
    program2.Show()

    Me.Hide() ' Hide the current form
End Sub

Private Sub Button5_Click(sender As Object, e As EventArgs) Handles
Button5.Click
    ' Button5 click event handler
    ' Create a new instance of custFAQ form and show it
    Dim customerfaq As New custFAQ(LoggedInUser)
    customerfaq.Show()

    Me.Hide() ' Hide the current form

```



```

End Sub

Private Sub GunaPictureBox5_Click(sender As Object, e As EventArgs)
Handles GunaPictureBox5.Click
    ' GunaPictureBox5 click event handler
    ' Create a new instance of custABOUT form and show it
    Dim custaboutus As New custABOUT(LoggedInUser)
    custaboutus.Show()

    Me.Hide() ' Hide the current form
End Sub

Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
Button3.Click
    ' Button3 click event handler
    ' Create a new instance of custTRACKER form and show it
    Dim customertracker As New custTRACKER(LoggedInUser)
    customertracker.Show()

    Me.Hide() ' Hide the current form
End Sub

Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
Button2.Click
    ' Button2 click event handler
    ' Create a new instance of custAPPOINTMENT form and show it
    Dim customerappointment As New custAPPOINTMENT(LoggedInUser)
    customerappointment.Show()

    Me.Hide() ' Hide the current form
End Sub

Private Sub Button4_Click(sender As Object, e As EventArgs) Handles
Button4.Click
    ' Button4 click event handler
    ' Create a new instance of custPROFILE form and show it
    Dim customerprofile As New custPROFILE(LoggedInUser)
    customerprofile.Show()

    Me.Hide() ' Hide the current form
End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
    ' Button1 click event handler
    ' Create a new instance of customerpharmacy form and show it
    Dim customerpharmacy As New customerpharmacy(LoggedInUser)
    customerpharmacy.Show()

    Me.Hide() ' Hide the current form
End Sub
End Class

```

Donation

```

Imports System.Data.OleDb
Imports System.Windows.Forms.VisualStyles.VisualStyleElement

```

```
Imports Guna.UI.WinForms
Public Class custPROG2
    Public Property LoggedInUser As String
    Public Sub New(Email As String)
        InitializeComponent()
        LoggedInUser = Email
    End Sub
    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand

    Private Sub GunaButton1_Click(sender As Object, e As EventArgs)
Handles GunaButton1.Click
        MessageBox.Show("thank you for donating")
    End Sub

    Private Sub Button5_Click(sender As Object, e As EventArgs) Handles
Button5.Click
        Dim customerfaq As New custFAQ(LoggedInUser)
        customerfaq.Show()
        Me.Hide()
    End Sub

    Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
Button3.Click
        Dim customertracker As New custTRACKER(LoggedInUser)
        customertracker.Show()
        Me.Hide()
    End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
Button2.Click
        Dim customerappointment As New custAPPOINTMENT(LoggedInUser)
        customerappointment.Show()
        Me.Hide()
    End Sub

    Private Sub Button4_Click(sender As Object, e As EventArgs) Handles
Button4.Click
        Dim customerprofile As New custPROFILE(LoggedInUser)
        customerprofile.Show()
        Me.Hide()
    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
        Dim customerpharmacy As New customerpharmacy(LoggedInUser)
        customerpharmacy.Show()
        Me.Hide()
    End Sub
End Class
```

## Disease Awareness

```
Public Class custPROG3
    Private Sub GunaComboBox1_SelectedIndexChanged(sender As Object, e As
EventArgs) Handles GunaComboBox1.SelectedIndexChanged
        ' Retrieve the selected disease from GunaComboBox1
```

```

    Dim disease As String = GunaComboBox1.SelectedItem.ToString()

    ' Determine the selected disease and update the corresponding
    text boxes
    Select Case disease
        Case "Influenza (Flu)"
            ' Update information about Influenza
            GunaTextBox3.Text = "Influenza is a highly contagious
viral infection that affects the respiratory system."
            GunaTextBox1.Text = "Fever, chills, sore throat, cough,
runny or stuffy nose, body aches, fatigue."
            GunaTextBox2.Text = "Get plenty of rest, drink fluids to
stay hydrated, use over-the-counter pain relievers for fever and
discomfort, and avoid contact with others to prevent spreading the virus.
In severe cases, antiviral medication may be prescribed."
        Case "Diabetes"
            ' Update information about Diabetes
            GunaTextBox3.Text = "Diabetes is a chronic condition
characterized by high blood sugar levels due to the body's inability to
produce or use insulin effectively."
            GunaTextBox1.Text = "Frequent urination, excessive
thirst, unexplained weight loss, fatigue, blurred vision."
            GunaTextBox2.Text = "Follow a healthy diet, monitor blood
sugar levels regularly, take prescribed medications (insulin or oral
medications), engage in regular physical activity, and maintain a healthy
weight. Regular check-ups with a healthcare provider are essential."
        Case "Asthma"
            ' Update information about Asthma
            GunaTextBox3.Text = "Asthma is a chronic lung disease
that causes inflammation and narrowing of the airways, leading to
breathing difficulties."
            GunaTextBox1.Text = "Wheezing, coughing (especially at
night or during exercise), shortness of breath, chest tightness."
            GunaTextBox2.Text = "Use prescribed inhalers (quick-
relief and long-term control medications) as directed by a healthcare
provider, avoid triggers such as allergens and smoke, create an asthma
action plan, and seek emergency medical care if symptoms worsen."
    End Select
End Sub

Private Sub Button9_Click(sender As Object, e As EventArgs) Handles
Button9.Click
    ' Show the custPROG2 form and hide the current form
    custPROG2.Show()
    Me.Hide()
End Sub
End Class

```

## FAQ

```

Public Class custFAQ
Public Property LoggedInUser As String

Public Sub New(Email As String)
    InitializeComponent()
    LoggedInUser = Email
End Sub

```

```

    Private Sub ComboBox1_SelectedIndexChanged(sender As Object, e As
EventArgs) Handles ComboBox1.SelectedIndexChanged
    ' Retrieve the selected option from the ComboBox
    Dim selectedOption As String = ComboBox1.SelectedItem.ToString()

    ' Use a Select Case statement to handle different options
    Select Case selectedOption
        Case "is your online pharmacy legit?"
            Label2.Text = "is your online pharmacy legit?"
            GunaLabel11.Text = "Yes, our online pharmacy is
legitimate. " &
                "We are a licensed and reputable pharmacy operating
in accordance with all applicable laws and regulations. " &
                "We prioritize the health and safety of our customers
and ensure that all medications dispensed are sourced from approved
manufacturers."

        Case "why should we choose your online pharmacy?"
            Label2.Text = "why should we choose your online
pharmacy?"
            GunaLabel11.Text = "You should choose our online pharmacy
as we can offer various medicines from different pharmacies." &
                " There may also be a pharmacy near you, ensuring the
speed of medicine delivery."

        Case "how many types of medicine will there be?"
            Label2.Text = "how many types of medicine will there be?"
            GunaLabel11.Text = "There will be various types of
medicines from different brands." &
                " However, currently, we are focusing on common
medicines for easier regulation, such as paracetamol, Loratodine,
Cetirizine Hydrochloride, and others commonly found medicines."
    End Select
End Sub

' Below are event handlers for different button clicks

Private Sub Button6_Click(sender As Object, e As EventArgs) Handles
Button6.Click
    ' Create a new instance of custABOUT form and pass the
LoggedInUser property
    Dim custaboutus As New custABOUT(LoginUser)
    custaboutus.Show()
    Me.Hide()
End Sub

Private Sub Button7_Click(sender As Object, e As EventArgs) Handles
Button7.Click
    ' Create a new instance of custPROG1 form and pass the
LoggedInUser property
    Dim custprog As New custPROG1(LoginUser)
    custprog.Show()
    Me.Hide()
End Sub

```

```

    Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
Button3.Click
        ' Create a new instance of custTRACKER form and pass the
        LoggedInUser property
        Dim customertracker As New custTRACKER(LoggedInUser)
        customertracker.Show()
        Me.Hide()
    End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
Button2.Click
        ' Create a new instance of custAPPOINTMENT form and pass the
        LoggedInUser property
        Dim customerappointment As New custAPPOINTMENT(LoggedInUser)
        customerappointment.Show()
        Me.Hide()
    End Sub

    Private Sub Button4_Click(sender As Object, e As EventArgs) Handles
Button4.Click
        ' Create a new instance of custPROFILE form and pass the
        LoggedInUser property
        Dim customerprofile As New custPROFILE(LoggedInUser)
        customerprofile.Show()
        Me.Hide()
    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
        ' Create a new instance of customerpharmacy form and pass the
        LoggedInUser property
        Dim customerpharmacy As New customerpharmacy(LoggedInUser)
        customerpharmacy.Show()
        Me.Hide
    End Sub

```

## Profile

```

Imports System.Data.OleDb

Public Class custPROFILE

    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand

    Public Property LoggedInUser As String

    Public Sub New(Email As String)
        InitializeComponent()
        LoggedInUser = Email
    End Sub

    Private Sub custPROFILE_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
        ' Set up the connection string for the database
        conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents>LoginDatabase.accdb"
    End Sub

```

```

' Prepare the SQL query to retrieve user information
Dim query As String = "SELECT * FROM GuestData WHERE Email =
@Email"
Try
    conn.Open()
    ' Create a new command object with the query and connection
    Dim cmd As New OleDbCommand(query, conn)
    cmd.Parameters.AddWithValue("@Email", loggedInUser)

    ' Execute the query and retrieve the result set
    Dim reader As OleDbDataReader = cmd.ExecuteReader()
    If reader.Read() Then
        ' If a matching record is found, populate the text boxes
        with the user information
        TextBox1.Text = reader("GuestName").ToString()
        TextBox2.Text = reader("Gender").ToString()
        TextBox3.Text = reader("Age").ToString()
        TextBox4.Text = reader("Address").ToString()
    End If
    reader.Close()
Catch ex As Exception
    MessageBox.Show("Error occurred while retrieving user
information: " & ex.Message)
Finally
    conn.Close()
End Try
End Sub

' Below are event handlers for different button clicks

Private Sub Button5_Click(sender As Object, e As EventArgs) Handles
Button5.Click
    ' Create a new instance of custFAQ form and pass the LoggedInUser
property
    Dim customerfaq As New custFAQ(loggedInUser)
    customerfaq.Show()
    Me.Hide()
End Sub

Private Sub Button6_Click(sender As Object, e As EventArgs) Handles
Button6.Click
    ' Create a new instance of custABOUT form and pass the
LoggedInUser property
    Dim custaboutus As New custABOUT(loggedInUser)
    custaboutus.Show()
    Me.Hide()
End Sub

Private Sub Button7_Click(sender As Object, e As EventArgs) Handles
Button7.Click
    ' Create a new instance of custPROG1 form and pass the
LoggedInUser property
    Dim custprog As New custPROG1(loggedInUser)
    custprog.Show()
    Me.Hide()
End Sub

```

```

    Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
Button3.Click
    ' Create a new instance of custTRACKER form and pass the
    LoggedInUser property
    Dim customertracker As New custTRACKER(LoggedInUser)
    customertracker.Show()
    Me.Hide()
End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
Button2.Click
    ' Create a new instance of custAPPOINTMENT form and pass the
    LoggedInUser property
    Dim customerappointment As New custAPPOINTMENT(LoggedInUser)
    customerappointment.Show()
    Me.Hide()
End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
    ' Create a new instance of customerpharmacy form and pass the
    LoggedInUser property
    Dim customerpharmacy As New customerpharmacy(LoggedInUser)
    customerpharmacy.Show()
    Me.Hide()
End Sub
End Class

```

## Pharmacist

### Login Page

```

Imports System.Data.OleDb
Imports System.Windows.Forms.VisualStyles.VisualStyleElement
Public Class sellerlogin
    Dim conn As New OleDbConnection
    Public Property LoggedInUser As String
    Public Sub New(SellerEmail As String)
        InitializeComponent()
        LoggedInUser = SellerEmail
    End Sub
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
        If TextBox1.Text = Nothing Or MaskedTextBox1.Text = Nothing Then
            MsgBox("enter the credentials please")
        Else
            If conn.State = ConnectionState.Closed Then
                conn.Open()
            End If
            Dim cmd As New OleDbCommand("select count(*) from Seller
where SellerEmail=? and SellerPassword=? and Verification=True", conn)
            cmd.Parameters.AddWithValue("@1", OleDbType.VarChar).Value =
TextBox1.Text
            cmd.Parameters.AddWithValue("@2", OleDbType.VarChar).Value =
MaskedTextBox1.Text

            Dim count = Convert.ToInt32(cmd.ExecuteScalar())

```

```

        If (count > 0) Then
            MsgBox("login success")
            Dim selleradditem As New sellerADDITEM(LoginUser)
            LoginUser = TextBox1.Text
            selleradditem.Show()
            Me.Hide()
        Else
            MsgBox("check credentials")
        End If

    End If
End Sub

Private Sub sellerlogin_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
    conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents\LoginDatabase.accdb"
End Sub

Private Sub Label3_Click(sender As Object, e As EventArgs) Handles
Label3.Click
    Dim sellerreg As New SellerRegisterTrue(LoginUser)
    sellerreg.Show()
    Me.Hide()
End Sub
End Class

```

## Register Page

```

Imports System.Data.OleDb
Imports System.Net.Security
Imports System.Windows.Forms.VisualStyles.VisualStyleElement
Imports System.IO
Imports System.Windows.Forms.VisualStyles.VisualStyleElement.Button
Public Class SellerRegisterTrue
    Dim filePath1 As String = ""
    Dim filePath2 As String = ""
    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand
    Public Property LoginUser As String
    Public Sub New(SellerEmail As String)
        InitializeComponent()
        LoginUser = SellerEmail
    End Sub
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
        conn.Open()
        cmd = conn.CreateCommand()
        cmd.CommandType = CommandType.Text

        Dim Age As String = CStr(NumericUpDown1.Value)

        Dim gender As String = ""
        If RadioButton1.Checked = True Then
            gender = "Female"

```



```

ElseIf RadioButton2.Checked = True Then
    gender = "Male"
End If

Try

    Dim fileData1 As Byte() = File.ReadAllBytes(filePath1)
    Dim fileData2 As Byte() = File.ReadAllBytes(filePath2)
    cmd.CommandText = "INSERT INTO
Seller(SellerName,SellerEmail,[SellerPassword],SellerIC,SellerPhone,Selle
rPharmacy,SellerGender,SellerAge,SellerCert,SellerCertData,SellerLicense,
SellerLicenseData )values ('" + TextBox1.Text + "','" +
MaskedTextBox1.Text + "','" + TextBox2.Text + "','" + MaskedTextBox2.Text
+ "','" + TextBox3.Text + "','" + MaskedTextBox3.Text + "','" + gender +
"' ,'" + Age + "','" ,@SellerCert, @SellerCertData,@SellerLicense,
@SellerLicenseData ,@Verification)"

    cmd.Parameters.AddWithValue("@SellerCert",
Path.GetFileName(filePath1))
    'cmd.Parameters.AddWithValue("@SellerCertData", fileData1)
    cmd.Parameters.AddWithValue("@SellerCertData",
OleDbType.VarBinary).Value = fileData1
    cmd.Parameters.AddWithValue("@SellerLicense",
Path.GetFileName(filePath2))
    'cmd.Parameters.AddWithValue("@SellerLicenseData", fileData2)
    cmd.Parameters.AddWithValue("@SellerLicenseData",
OleDbType.VarBinary).Value = fileData2
    cmd.Parameters.AddWithValue("@SellerGender", gender)
    cmd.Parameters.AddWithValue("@SellerAge", Age)
    cmd.Parameters.AddWithValue("@Verification", False)
    cmd.ExecuteNonQuery()
    MessageBox.Show("record added successfully!. Please wait for
verification")
    Dim logins As New sellerlogin(LoginUser)
    logins.Show()

    Me.Hide()
    Me.Hide()

Finally
    conn.Close()
End Try
End Sub

Private Sub ListBox1_click(sender As Object, e As EventArgs) Handles
ListBox1.Click
    Dim openFileDialog1 As New OpenFileDialog()
    openFileDialog1.Title = "Select File"
    openFileDialog1.Filter = "All Files (*.*)|*.*"

    If openFileDialog1.ShowDialog() = DialogResult.OK Then
        filePath1 = openFileDialog1.FileName
        MessageBox.Show("File selected and stored.")
    End If

End Sub

```

```

    Private Sub ListBox2_click(sender As Object, e As EventArgs) Handles
ListBox2.Click
        Dim openFileDialog2 As New OpenFileDialog()
        openFileDialog2.Title = "Select File"
        openFileDialog2.Filter = "All Files (*.*)|*.*"

        If openFileDialog2.ShowDialog() = DialogResult.OK Then
            filePath2 = openFileDialog2.FileName
            MessageBox.Show("File selected and stored.")
        End If
    End Sub

    Private Sub SellerRegisterTrue_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
        conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents>LoginDatabase.accdb"
    End Sub
End Class

```

## Forgot Password

```

Imports System.Data.OleDb
Imports System.Net
Imports System.Net.Mail
Imports System.Text.RegularExpressions
Imports Guna.UI.WinForms

Public Class custFORGETPASS
    Dim randomCode As String
    Public Shared toUser As String
    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
        ' This event is triggered when Button1 is clicked.
        ' It checks if the entered code matches the randomly generated
code.
        If (GunaTextBox2.Text.Equals(randomCode)) Then
            toUser = GunaTextBox1.Text
            Dim query As String = "UPDATE GuestData SET Password =
@Password"
            conn.Open()
            Dim cmd As New OleDbCommand(query, conn)
            cmd.Parameters.AddWithValue("@Password", GunaTextBox6.Text)
            conn.Close()
        Else
            MessageBox.Show("Wrong Code") ' Display an error message if
the code is incorrect.
        End If
    End Sub
End Class

```

```

    Private Sub GunaLinkLabel1_LinkClicked(sender As Object, e As
LinkLabelLinkClickedEventArgs) Handles GunaLinkLabel1.LinkClicked
    ' This event is triggered when GunaLinkLabel1 is clicked.
    ' It sends a reset code to the provided email address.
    Dim from, pass, messageBody As String
    Dim rand As Random = New Random()
    randomCode = (rand.Next(999999)).ToString()
    Dim message As MailMessage = New MailMessage()
    toUser = GunaTextBox1.Text
    from = "taufiqifwat106@gmail.com"
    pass = "040610110335"
    messageBody = "Your reset code is " + randomCode
    message.To.Add(toUser)
    message.From = New MailAddress(from)
    message.Body = messageBody
    message.Subject = "Password resetting code"
    Dim smtp As SmtpClient = New SmtpClient("smtp.gmail.com")
    smtp.EnableSsl = True
    smtp.Port = 587
    smtp.DeliveryMethod = SmtpDeliveryMethod.Network
    smtp.Credentials = New NetworkCredential(from,
"ppmroxmxklijkxjo")
    Try
        smtp.Send(message) ' Send the email with the reset code.
        MessageBox.Show("Please check your email and enter the code
in the enter code textbox")
    Catch ex As Exception
        MessageBox.Show(ex.Message) ' Display an error message if the
email sending fails.
    End Try
End Sub

Private Sub custFORGETPASS_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
    ' This event is triggered when the custFORGETPASS form is loaded.
    ' It sets up the connection string for the OleDbConnection
object.
    conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents>LoginDatabase.accdb"
End Sub
End Class

```

## Add Item

```

Imports System.Data.OleDb
Imports System.IO
Imports System.Runtime.InteropServices
Imports System.Windows.Forms.VisualStyles.VisualStyleElement

Public Class sellerADDITEM
    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand
    Public Property LoggedInUser As String
    Public Sub New(SellerEmail As String)
        InitializeComponent()
        LoggedInUser = SellerEmail
    End Sub
End Class

```

```

End Sub
Private Sub GunaPictureBox3_Click(sender As Object, e As EventArgs)
Handles GunaPictureBox3.Click

End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
Dim sellerProfile As New sellerPROFILE(LoginUser)
sellerProfile.Show()

Me.Hide()
End Sub

Private Sub sellerADDITEM_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents\LoginDatabase.accdb"
End Sub

Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
Button3.Click
Dim sellerorderform As New sellerORDERRECEIVED(LoginUser)
sellerorderform.Show()

Me.Hide()
End Sub

Private Sub Button8_Click(sender As Object, e As EventArgs) Handles
Button8.Click
conn.Open()
cmd = conn.CreateCommand()
cmd.CommandType = CommandType.Text
Dim quantity As String = CStr(NumericUpDown1.Value)

Dim openFileDialog As New OpenFileDialog()
openFileDialog.Filter = "Image Files (*.png, *.jpg, *.jpeg,
*.gif)|*.png;*.jpg;*.jpeg;*.gif"
openFileDialog.Title = "Select an Image File"

If openFileDialog.ShowDialog() = DialogResult.OK Then
Dim imagePath As String = openFileDialog.FileName

' Get the image file path and convert it to byte array
Dim imageData As Byte() = ImageToByteArray(imagePath)

cmd.CommandText = "INSERT INTO DatabaseItem (SellerEmail,
ItemName, ItemPrice, ItemStock, ImageName, ImageData, ItemDetails,
ItemEffect, ItemType) VALUES (@SellerEmail, @ItemName, @ItemPrice,
@ItemStock, @ImageName, @ImageData, @ItemDetails, @ItemEffect,
@ItemType)"
cmd.Parameters.AddWithValue("@SellerEmail", LoginUser)
cmd.Parameters.AddWithValue("@ItemName", GunaTextBox1.Text)
cmd.Parameters.AddWithValue("@ItemPrice", GunaTextBox4.Text)
cmd.Parameters.AddWithValue("@ItemStock", quantity)

```

```

        cmd.Parameters.AddWithValue("@ImageName",
Path.GetFileName(imagePath))
        cmd.Parameters.AddWithValue("@ImageData", imageData)
        cmd.Parameters.AddWithValue("@ItemDetails",
GunaTextBox2.Text)
        cmd.Parameters.AddWithValue("@ItemEffect", GunaTextBox3.Text)
        cmd.Parameters.AddWithValue("@ItemType",
ComboBox1.SelectedItem)

        cmd.ExecuteNonQuery()
        conn.Close()
        MessageBox.Show("record saved")
    End If
End Sub

Private Function ImageToByteArray(imagePath As String) As Byte()
    Using image As Image = Image.FromFile(imagePath)
        Using stream As New MemoryStream()
            image.Save(stream, image.RawFormat)
            Return stream.ToArray()
        End Using
    End Using
End Function
End Class

```

## Order Received

```

Imports System.Data.OleDb
Imports Guna.UI.WinForms
Public Class sellerORDERRECEIVED
    Dim conn As New OleDbConnection
    Public Property LoggedInUser As String

    'Private loggedInUser As String = ""
    Public Sub New(SellerEmail As String)
        InitializeComponent()
        LoggedInUser = SellerEmail
    End Sub
    Private Sub GunaLabel5_Click(sender As Object, e As EventArgs)
Handles GunaLabel5.Click

    End Sub

    Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
Button3.Click
        Dim sellerprofile As New sellerPROFILE(LoggedInUser)
        sellerprofile.Show()
        Me.Hide()
    End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
Button2.Click
        Dim selleradditem As New sellerADDITEM(LoggedInUser)
        selleradditem.Show()
        Me.Hide()
    End Sub

```

```

End Sub

Private Sub sellerORDERRECEIVED_Load(sender As Object, e As
EventArgs) Handles MyBase.Load
    Dim connectionString As String =
"Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVODocuments\LoginDatabase.accdb"
    FlowLayoutPanel1.Controls.Clear()

    Dim query As String = "SELECT * FROM Order WHERE SellerEmail =
@SellerEmail"

    Using connection As New OleDbConnection(connectionString)
        connection.Open()

        Using command As New OleDbCommand(query, connection)
            ' Add the SellerEmail parameter to the command
            command.Parameters.AddWithValue("@SellerEmail",
LoggedInUser)

            Using reader As OleDbDataReader = command.ExecuteReader()
                While reader.Read()
                    ' Retrieve order details from the reader
                    Dim orderID As Integer = reader.GetInt32(0)
                    Dim itemName As String = reader.GetString(2)
                    Dim buyerName As String = reader.GetString(1)
                    Dim Quantity As String = reader.GetString(3)
                    Dim Address As String = reader.GetString(6)
                    Dim imageUrl As String = reader.GetString(4)

                    ' Create a panel for each order
                    Dim orderPanel As New Panel()
                    orderPanel.BorderStyle = BorderStyle.FixedSingle
                    orderPanel.Size = New Size(686, 118)
                    orderPanel.BackColor = Color.Tan
                    orderPanel.Location = New Point(3, 2)

                    ' Create a PictureBox for the item image
                    Dim pictureBox As New PictureBox()
                    pictureBox.SizeMode =
PictureBoxSizeMode.StretchImage
                    pictureBox.ImageLocation = imageUrl
                    pictureBox.Width = 100
                    pictureBox.Height = 100

                    ' Create a Label for the item name
                    Dim lblItemName As New Label()
                    lblItemName.Text = itemName
                    lblItemName.Location = New Point(108, 14)
                    lblItemName.BackColor = Color.White
                    lblItemName.AutoSize = True

                    Dim lblorder As New Label()
                    lblorder.Text = "New Order"
                    lblorder.Location = New Point(108, 42)
                    lblorder.BackColor = Color.White
                    lblorder.AutoSize = True

```

```

order details
        ' Create a Button for displaying buyer name and
        Dim btnShowDetails As New Button()
        btnShowDetails.Text = "Information"
        btnShowDetails.Location = New Point(560, 80)
        btnShowDetails.AutoSize = True

        ' Event handler for the button click event
        AddHandler btnShowDetails.Click, Sub(senderBtn As
Object, eBtn As EventArgs)
        MessageBox.Show("Buyer Name: " & buyerName & vbCrLf & "    Quantity: " &
Quantity & "Address :" & Address)

        End Sub

        ' Add the order panel to the flow layout panel
        FlowLayoutPanel1.Controls.Add(orderPanel)

        ' Add controls to the order panel
        orderPanel.Controls.Add(pictureBox)
        orderPanel.Controls.Add(lblItemName)
        orderPanel.Controls.Add(btnShowDetails)
        orderPanel.Controls.Add(lblorder)

        End While
    End Using
End Using

    connection.Close()
End Using
End Sub

Private Sub FlowLayoutPanel1_Paint(sender As Object, e As
PaintEventArgs) Handles FlowLayoutPanel1.Paint

End Sub
End Class

```

## Pharmacist Profile

```

Imports System.Data.OleDb
Imports System.IO
Public Class sellerPROFILE
    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand
    Dim filepath1 As String = ""
    Dim filePath2 As String = ""
    'Private loggedInUser As String = ""
    Public Property LoggedInUser As String
    Public Sub New(SellerEmail As String)
        InitializeComponent()
        loggedInUser = SellerEmail
    End Sub

```

```

    Private Sub GunaLineTextBox1_TextChanged(sender As Object, e As
EventArgs) Handles GunaLineTextBox1.TextChanged

    End Sub

    Private Sub sellerPROFILE_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
        conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents>LoginDatabase.accdb"

        Dim query As String = "SELECT * FROM Seller WHERE SellerEmail =
@SellerEmail"
        Try
            conn.Open()
            Dim cmd As New OleDbCommand(query, conn)
            cmd.Parameters.AddWithValue("@SellerEmail", loggedInUser)

            Dim reader As OleDbDataReader = cmd.ExecuteReader()

            If reader.Read() Then
                GunaLineTextBox1.Text = reader("SellerName").ToString()
                GunaLineTextBox3.Text = reader("DoctorCert").ToString()
                GunaLineTextBox4.Text = reader("SellerEmail").ToString()
                GunaLineTextBox5.Text =
reader("DoctorLicense").ToString()
                GunaLineTextBox7.Text =
reader("SellerPharmacy").ToString()
                GunaLineTextBox8.Text = reader("SellerPhone").ToString()
                GunaLineTextBox2.Text = reader("SellerAge").ToString()

                Dim attachmentData1 As Byte() =
DirectCast(reader("SellerCertData"), Byte())

                If attachmentData1 IsNot Nothing AndAlso
attachmentData1.Length > 0 Then
                    ' Convert the attachment data to a string
representation for display in the TextBox
                    Dim attachmentString1 As String =
Convert.ToBase64String(attachmentData1)

                    ' Set the TextBox text to the attachment string
                    GunaLineTextBox3.Text = attachmentString1
                Else
                    ' No attachment found, clear the TextBox
                    GunaLineTextBox3.Text = ""
                End If
                Dim attachmentData2 As Byte() =
DirectCast(reader("SellerLicenseData"), Byte())

                If attachmentData2 IsNot Nothing AndAlso
attachmentData2.Length > 0 Then
                    ' Convert the attachment data to a string
representation for display in the TextBox
                    Dim attachmentString2 As String =
Convert.ToBase64String(attachmentData2)

                    ' Set the TextBox text to the attachment string

```



```

        GunaLineTextBox5.Text = attachmentString2
    Else
        ' No attachment found, clear the TextBox
        GunaLineTextBox5.Text = ""
    End If
End If
reader.Close()
Catch ex As Exception
    MessageBox.Show("Error occurred while retrieving user
information: " & ex.Message)
Finally
    conn.Close()
End Try
End Sub

Private Sub Button10_Click(sender As Object, e As EventArgs) Handles
Button10.Click
    GunaLineTextBox1.Text = ""
    GunaLineTextBox3.Text = ""
    GunaLineTextBox4.Text = ""
    GunaLineTextBox5.Text = ""
    GunaLineTextBox7.Text = ""
    GunaLineTextBox8.Text = ""
    GunaLineTextBox2.Text = ""
End Sub

Private Sub GunaLineTextBox5_click(sender As Object, e As EventArgs)
Handles GunaLineTextBox5.Click
    Dim openFileDialog2 As New OpenFileDialog()
    openFileDialog2.Title = "Select File"
    openFileDialog2.Filter = "All Files (*.*)|*.*"

    If openFileDialog2.ShowDialog() = DialogResult.OK Then
        filePath2 = openFileDialog2.FileName
        MessageBox.Show("File selected and stored.")
    End If
End Sub

Private Sub GunaLineTextBox3_click(sender As Object, e As EventArgs)
Handles GunaLineTextBox3.Click
    Dim openFileDialog1 As New OpenFileDialog()
    openFileDialog1.Title = "Select File"
    openFileDialog1.Filter = "All Files (*.*)|*.*"

    If openFileDialog1.ShowDialog() = DialogResult.OK Then
        filepath1 = openFileDialog1.FileName
        MessageBox.Show("File selected and stored.")
    End If
End Sub

Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
Button3.Click
    Dim sellerorderform As New sellerORDERRECEIVED(loggedInUser)
    sellerorderform.Show()

    Me.Hide()
End Sub

```

```

        Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
Button2.Click
            Dim selleradditem As New sellerADDITEM(LoggedInUser)
            selleradditem.Show()
            Me.Hide()
        End Sub
    End Class

```

## Doctor

### Login Page

```

Imports System.Data.OleDb
Imports System.Windows.Forms.VisualStyles.VisualStyleElement
Public Class doclogin
    Public Property LoggedInUser As String
    Public Sub New(SellerEmail As String)
        InitializeComponent()
        LoggedInUser = SellerEmail
    End Sub
    Dim conn As New OleDbConnection
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
        If TextBox1.Text = Nothing Or MaskedTextBox1.Text = Nothing Then
            MsgBox("enter the credentials please")
        Else
            If conn.State = ConnectionState.Closed Then
                conn.Open()
            End If
            Dim cmd As New OleDbCommand("select count(*) from DoctorData
where DoctorEmail=? and DoctorPassword=?", conn)
            cmd.Parameters.AddWithValue("@1", OleDbType.VarChar).Value =
TextBox1.Text
            cmd.Parameters.AddWithValue("@2", OleDbType.VarChar).Value =
MaskedTextBox1.Text
            Dim count = Convert.ToInt32(cmd.ExecuteScalar())

            If (count > 0) Then
                MsgBox("login success")
                Dim DocAppointment As New docAPPOINTMENT(LoggedInUser)
                DocAppointment.Show()

                Me.Hide()
            Else
                MsgBox("check credentials")
            End If
        End If
    End Sub

    Private Sub doclogin_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
        conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents>LoginDatabase.accdb"
    End Sub

```

```

        Private Sub Label3_Click(sender As Object, e As EventArgs) Handles
Label3.Click
            docregister.Show()
            Me.Hide()

        End Sub
End Class

```

## Register Page

```

Imports System.Data.OleDb
Imports System.Net.Security
Imports System.Windows.Forms.VisualStyles.VisualStyleElement
Imports System.IO

Public Class docregister
    Dim filePath1 As String = ""
    Dim filePath2 As String = ""
    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand
    Private Sub docregister_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
        conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents\LoginDatabase.accdb"
    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click

        conn.Open()
        cmd = conn.CreateCommand()
        cmd.CommandType = CommandType.Text

        Dim age As String = CStr(NumericUpDown1.Value)

        Dim gender As String = ""
        If RadioButton1.Checked = True Then
            gender = "Female"
        ElseIf RadioButton2.Checked = True Then
            gender = "Male"
        End If

        Try

            Dim fileData1 As Byte() = File.ReadAllBytes(filePath1)
            Dim fileData2 As Byte() = File.ReadAllBytes(filePath2)
            cmd.CommandText = "INSERT INTO
DoctorData (DoctorName,DoctorEmail,[DoctorPassword],DoctorIC,DoctorPhone,D
octorPharmacy,DoctorGender,DoctorAge,DoctorCert,DoctorCertData,DoctorLice
nse,DoctorLicenseData )values ('" + TextBox1.Text + "','" +
MaskedTextBox1.Text + "','" + TextBox2.Text + "','" + MaskedTextBox2.Text
+ "','" + TextBox3.Text + "','" + MaskedTextBox3.Text + "','" + gender +
 "','" + age + "','@DoctorCert, @DoctorCertData,@DoctorLicense,
@DoctorLicenseData )"
            cmd.Parameters.AddWithValue("@DoctorGender", gender)
            cmd.Parameters.AddWithValue("@DoctorAge", age)

```

```

        cmd.Parameters.AddWithValue("@DoctorCert",
Path.GetFileName(filePath1))
        cmd.Parameters.AddWithValue("@DoctorLicense",
Path.GetFileName(filePath2))
        cmd.Parameters.AddWithValue("@DoctorCertData", fileData1)
        cmd.Parameters.AddWithValue("@DoctorLicenseData", fileData2)
        cmd.ExecuteNonQuery()
        MessageBox.Show("record added successfully!")
    Finally
        conn.Close()
    End Try

End Sub

Private Sub ListBox1_click(sender As Object, e As EventArgs) Handles
ListBox1.Click

    Dim openFileDialog1 As New OpenFileDialog()
    openFileDialog1.Title = "Select File"
    openFileDialog1.Filter = "All Files (*.*)|*.*"

    If openFileDialog1.ShowDialog() = DialogResult.OK Then
        filePath1 = openFileDialog1.FileName
        MessageBox.Show("File selected and stored.")
    End If

End Sub

Private Sub ListBox2_CLICK(sender As Object, e As EventArgs) Handles
ListBox2.Click
    Dim openFileDialog2 As New OpenFileDialog()
    openFileDialog2.Title = "Select File"
    openFileDialog2.Filter = "All Files (*.*)|*.*"

    If openFileDialog2.ShowDialog() = DialogResult.OK Then
        filePath2 = openFileDialog2.FileName
        MessageBox.Show("File selected and stored.")
    End If

End Sub
End Class

```

## Forgot Password

```

Imports System.Data.OleDb
Imports System.Net
Imports System.Net.Mail
Imports System.Text.RegularExpressions
Imports Guna.UI.WinForms

Public Class custFORGETPASS
    Dim randomCode As String
    Public Shared toUser As String
    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand

```

```

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
    ' This event is triggered when Button1 is clicked.
    ' It checks if the entered code matches the randomly generated
code.
    If (GunaTextBox2.Text.Equals(randomCode)) Then
        toUser = GunaTextBox1.Text
        Dim query As String = "UPDATE GuestData SET Password =
@Password"
        conn.Open()
        Dim cmd As New OleDbCommand(query, conn)
        cmd.Parameters.AddWithValue("@Password", GunaTextBox6.Text)
        conn.Close()
    Else
        MessageBox.Show("Wrong Code") ' Display an error message if
the code is incorrect.
    End If
End Sub

    Private Sub GunaLinkLabel1_LinkClicked(sender As Object, e As
LinkLabelLinkClickedEventArgs) Handles GunaLinkLabel1.LinkClicked
    ' This event is triggered when GunaLinkLabel1 is clicked.
    ' It sends a reset code to the provided email address.
    Dim from, pass, messageBody As String
    Dim rand As Random = New Random()
    randomCode = (rand.Next(999999)).ToString()
    Dim message As MailMessage = New MailMessage()
    toUser = GunaTextBox1.Text
    from = "taufiqifwat106@gmail.com"
    pass = "040610110335"
    messageBody = "Your reset code is " + randomCode
    message.To.Add(toUser)
    message.From = New MailAddress(from)
    message.Body = messageBody
    message.Subject = "Password resetting code"
    Dim smtp As SmtpClient = New SmtpClient("smtp.gmail.com")
    smtp.EnableSsl = True
    smtp.Port = 587
    smtp.DeliveryMethod = SmtpDeliveryMethod.Network
    smtp.Credentials = New NetworkCredential(from,
"ppmroxmxklijxjo")
    Try
        smtp.Send(message) ' Send the email with the reset code.
        MessageBox.Show("Please check your email and enter the code
in the enter code textbox")
    Catch ex As Exception
        MessageBox.Show(ex.Message) ' Display an error message if the
email sending fails.
    End Try
End Sub

    Private Sub custFORGETPASS_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
    ' This event is triggered when the custFORGETPASS form is loaded.
    ' It sets up the connection string for the OleDbConnection
object.

```

```

        conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents\LoginDatabase.accdb"
    End Sub
End Class

```

## Doctor Appointment

```

Imports System.Data.OleDb
Imports System.Net.Security
Imports System.IO

Public Class docAPPOINTMENT
    Dim ConnectionString As String =
"Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents\LoginDatabase.accdb"
    Dim connection As New OleDbConnection(connectionString)
    Public Property LoggedInUser As String
    Public Sub New(DoctorEmail As String)
        InitializeComponent()
        LoggedInUser = DoctorEmail
    End Sub
    Private Sub docAPPOINTMENT_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
        DisplaySelectedDates()
    End Sub

    Private Sub Button8_Click(sender As Object, e As EventArgs) Handles
Button8.Click
        Dim selectedDate As Date = MonthCalendar1.SelectionRange.Start

        Dim insertQuery As String = "INSERT INTO DoctorAvailability
(DoctorDate, DoctorEmail) VALUES (@DoctorDate, @DoctorEmail)"
        Dim command As New OleDbCommand(insertQuery, connection)
        command.Parameters.AddWithValue("@DoctorDate", selectedDate)
        command.Parameters.AddWithValue("@DoctorEmail", LoggedInUser)
        connection.Open()
        command.ExecuteNonQuery()
        connection.Close()

        DisplaySelectedDates()
    End Sub

    Private Sub DisplaySelectedDates()
        FlowLayoutPanel1.Controls.Clear()

        Dim selectQuery As String = $"SELECT DoctorDate FROM
DoctorAvailability WHERE DoctorEmail = '{LoggedInUser}'"
        Dim command As New OleDbCommand(selectQuery, connection)
        connection.Open()
        Dim reader As OleDbDataReader = command.ExecuteReader()

        While reader.Read()
            Dim selectedDate As Date = reader.GetDateTime(2)

            Dim panel As New Panel()
            panel.Size = New Size(434, 68)
            panel.Location = New Point(3, 3)

```

```

        panel.BackColor = Color.White

        Dim dateTimePicker As New
Guna.UI.WinForms.GunaDateTimePicker()
        dateTimePicker.Value = selectedDate
        dateTimePicker.BackColor = Color.White
        dateTimePicker.Enabled = False
        dateTimePicker.Size = New Size(365, 62)
        dateTimePicker.Location = New Point(3, 3)

        Dim removeButton As New Button()
        removeButton.BackColor = Color.Red
        removeButton.Size = New Size(54, 54)
        removeButton.Location = New Point(374, 3)
        removeButton.Text = "Remove"
        removeButton.Tag = selectedDate

        AddHandler removeButton.Click, AddressOf RemoveButton_Click
        FlowLayoutPanel1.Controls.Add(panel)
        panel.Controls.Add(dateTimePicker)
        panel.Controls.Add(removeButton)

    End While

    reader.Close()
    connection.Close()
End Sub

Private Sub RemoveButton_Click(sender As Object, e As EventArgs)
    Dim removeButton As Button = DirectCast(sender, Button)
    Dim selectedDate As Date = DirectCast(removeButton.Tag, Date)

    Dim deleteQuery As String = "DELETE FROM DoctorAvailability WHERE
DoctorDate = @DoctorDate AND DoctorEmail = @DoctorEmail"
    Dim command As New OleDbCommand(deleteQuery, connection)
    command.Parameters.AddWithValue("@DoctorDate", selectedDate)
    command.Parameters.AddWithValue("@DoctorEmail", LoggedInUser)
    connection.Open()
    command.ExecuteNonQuery()
    connection.Close()

    Dim panel As Panel = DirectCast(removeButton.Parent, Panel)
    FlowLayoutPanel1.Controls.Remove(panel)
End Sub

Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
Button3.Click
    Dim docbook As New docBOOKING(LoggedInUser)
    docbook.Show()
    Me.Hide()
End Sub

Private Sub Button5_Click(sender As Object, e As EventArgs) Handles
Button5.Click
    Dim docprof As New docPROFILE(LoggedInUser)
    docprof.Show()
    Me.Hide()

```

```
End Sub
End Class
```

## Booking

```
Imports System.Data.OleDb

Public Class docBOOKING
    Dim connectionString As String =
"Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents\LoginDatabase.accdb"
    Dim bookingConnection As New OleDbConnection(connectionString)
    Dim guestConnection As New OleDbConnection(connectionString)
    Public Property LoggedInUser As String
    Public Sub New(DoctorEmail As String)
        InitializeComponent()
        LoggedInUser = DoctorEmail
    End Sub
    Private Sub docBOOKING_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
        LoadBookingDetails()
    End Sub

    Private Sub LoadBookingDetails()
        FlowLayoutPanel1.Controls.Clear()

        Dim selectQuery As String = "SELECT PatientName, Email, Problem,
Acceptance FROM Booking WHERE DoctorEmail = @DoctorEmail"
        Dim command As New OleDbCommand(selectQuery, bookingConnection)
        command.Parameters.AddWithValue("@DoctorEmail", LoggedInUser)
        bookingConnection.Open()
        Dim reader As OleDbDataReader = command.ExecuteReader()

        While reader.Read()
            Dim patientName As String = reader.GetString(4)
            Dim patientEmail As String = reader.GetString(0)
            Dim problem As String = reader.GetString(3)
            Dim accepted As Boolean = reader.GetBoolean(5)

            Dim panel As New Panel()
            panel.Size = New Size(631, 343)
            panel.Location = New Point(3, 3)
            panel.Margin = New Padding(5)
            panel.BackColor = Color.PeachPuff

            Dim nameLabel As New Label()
            nameLabel.Text = "Name: " & patientName
            nameLabel.AutoSize = True

            Dim emailLabel As New Label()
            emailLabel.Text = "Email: " & patientEmail
            emailLabel.AutoSize = True

            Dim phoneLabel As New Label()
            phoneLabel.AutoSize = True
```



```

        phoneLabel.Text = "Phone: " &
GetGuestPhoneNumber(patientEmail)

        Dim ageLabel As New Label()
        ageLabel.AutoSize = True
        ageLabel.Text = "Age: " & GetGuestAge(patientEmail)

        Dim problemLabel As New Label()
        problemLabel.Text = "Problem: " & problem
        problemLabel.AutoSize = True

        Dim acceptanceLabel As New Label()
        acceptanceLabel.AutoSize = True
        acceptanceLabel.Text = "Accepted: " & If(accepted, "Yes",
"No")

        Dim acceptButton As New Button()
        acceptButton.Text = "Accept"
        acceptButton.Tag = patientEmail
        AddHandler acceptButton.Click, AddressOf AcceptButton_Click

        Dim declineButton As New Button()
        declineButton.Text = "Decline"
        declineButton.Tag = patientEmail
        AddHandler declineButton.Click, AddressOf DeclineButton_Click

        panel.Controls.Add(nameLabel)
        panel.Controls.Add(emailLabel)
        panel.Controls.Add(phoneLabel)
        panel.Controls.Add(ageLabel)
        panel.Controls.Add(problemLabel)
        panel.Controls.Add(acceptanceLabel)
        panel.Controls.Add(acceptButton)
        panel.Controls.Add(declineButton)

        FlowLayoutPanel1.Controls.Add(panel)
    End While

    reader.Close()
    bookingConnection.Close()
End Sub

Private Function GetGuestPhoneNumber(email As String) As String
    Dim selectQuery As String = "SELECT PhoneNumber FROM GuestData
WHERE GuestEmail = @GuestEmail"
    Dim command As New OleDbCommand(selectQuery, guestConnection)
    command.Parameters.AddWithValue("@GuestEmail", email)
    guestConnection.Open()
    Dim phoneNumber As String =
Convert.ToString(command.ExecuteScalar())
    guestConnection.Close()
    Return phoneNumber
End Function

Private Function GetGuestAge(email As String) As Integer
    Dim selectQuery As String = "SELECT Age FROM GuestData WHERE
GuestEmail = @GuestEmail"

```

```

    Dim command As New OleDbCommand(selectQuery, guestConnection)
    command.Parameters.AddWithValue("@GuestEmail", email)
    guestConnection.Open()
    Dim age As Integer = CInt(command.ExecuteScalar())
    guestConnection.Close()
    Return age
End Function

Private Sub AcceptButton_Click(sender As Object, e As EventArgs)
    Dim acceptButton As Button = DirectCast(sender, Button)
    Dim patientEmail As String = DirectCast(acceptButton.Tag, String)

    Dim updateQuery As String = "UPDATE BookingDates SET Accepted =
True WHERE PatientEmail = @PatientEmail"
    Dim command As New OleDbCommand(updateQuery, bookingConnection)
    command.Parameters.AddWithValue("@PatientEmail", patientEmail)
    bookingConnection.Open()
    command.ExecuteNonQuery()
    bookingConnection.Close()

    LoadBookingDetails()
End Sub

Private Sub DeclineButton_Click(sender As Object, e As EventArgs)
    Dim declineButton As Button = DirectCast(sender, Button)
    Dim patientEmail As String = DirectCast(declineButton.Tag,
String)

    Dim updateQuery As String = "UPDATE BookingDates SET Accepted =
False WHERE PatientEmail = @PatientEmail"
    Dim command As New OleDbCommand(updateQuery, bookingConnection)
    command.Parameters.AddWithValue("@PatientEmail", patientEmail)
    bookingConnection.Open()
    command.ExecuteNonQuery()
    bookingConnection.Close()

    LoadBookingDetails()
End Sub
Private Sub Button5_Click(sender As Object, e As EventArgs) Handles
Button5.Click
    Dim docprof As New docPROFILE(LoginUser)
    docprof.Show()
    Me.Hide()
End Sub
End Class

```

## Doctor Profile

```

Imports System.Data.OleDb
Imports System.IO
Imports System.Windows.Forms.VisualStyles.VisualStyleElement

Public Class docPROFILE
    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand
    Dim filepath1 As String = ""
    Dim filePath2 As String = ""

```

```

Public Property LoggedInUser As String
Public Sub New(DoctorEmail As String)
    InitializeComponent()
    LoggedInUser = DoctorEmail
End Sub
Private Sub docPROFILE_Load(sender As Object, e As EventArgs) Handles MyBase.Load
    conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\LENOVO\Documents>LoginDatabase.accdb"

    Dim query As String = "SELECT * FROM DoctorData WHERE DoctorEmail = @DoctorEmail"
    Try
        conn.Open()
        Dim cmd As New OleDbCommand(query, conn)
        cmd.Parameters.AddWithValue("@DoctorEmail", loggedInUser)

        Dim reader As OleDbDataReader = cmd.ExecuteReader()

        If reader.Read() Then
            GunaLineTextBox1.Text = reader("DoctorName").ToString()
            'GunaLineTextBox3.Text = reader("DoctorCert").ToString()
            GunaLineTextBox4.Text = reader("DoctorEmail").ToString()
            'GunaLineTextBox5.Text =
reader("DoctorLicense").ToString()
            GunaLineTextBox7.Text =
reader("DoctorPharmacy").ToString()
            GunaLineTextBox8.Text = reader("DoctorPhone").ToString()
            GunaLineTextBox2.Text = reader("DoctorAge").ToString()

            Dim attachmentData1 As Byte() =
DirectCast(reader("DoctorCertData"), Byte())

            If attachmentData1 IsNot Nothing AndAlso
attachmentData1.Length > 0 Then
                ' Convert the attachment data to a string
representation for display in the TextBox
                Dim attachmentString1 As String =
Convert.ToBase64String(attachmentData1)

                ' Set the TextBox text to the attachment string
GunaLineTextBox3.Text = attachmentString1
            Else
                ' No attachment found, clear the TextBox
GunaLineTextBox3.Text = ""
            End If
            Dim attachmentData2 As Byte() =
DirectCast(reader("DoctorLicenseData"), Byte())

            If attachmentData2 IsNot Nothing AndAlso
attachmentData2.Length > 0 Then
                ' Convert the attachment data to a string
representation for display in the TextBox
                Dim attachmentString2 As String =
Convert.ToBase64String(attachmentData2)

```

```

        ' Set the TextBox text to the attachment string
        GunaLineTextBox5.Text = attachmentString2
    Else
        ' No attachment found, clear the TextBox
        GunaLineTextBox5.Text = ""
    End If
End If
reader.Close()
Catch ex As Exception
    MessageBox.Show("Error occurred while retrieving user
information: " & ex.Message)
Finally
    conn.Close()
End Try

End Sub

Private Sub GunaLineTextBox1_TextChanged(sender As Object, e As
EventArgs) Handles GunaLineTextBox1.TextChanged

End Sub

Private Sub Button10_Click(sender As Object, e As EventArgs) Handles
Button10.Click
    GunaLineTextBox1.Text = ""
    GunaLineTextBox3.Text = ""
    GunaLineTextBox4.Text = ""
    GunaLineTextBox5.Text = ""
    GunaLineTextBox7.Text = ""
    GunaLineTextBox8.Text = ""
    GunaLineTextBox2.Text = ""
End Sub

Private Sub Button4_Click(sender As Object, e As EventArgs) Handles
Button4.Click
    Dim fileData1 As Byte() = File.ReadAllBytes(filepath1)
    Dim fileData2 As Byte() = File.ReadAllBytes(filePath2)
    Dim query As String = "UPDATE DoctorData SET DoctorEmail =
@DoctorEmail, DoctorPhone = @DoctorPhone, DoctorPharmacy =
@DoctorPharmacy, DoctorCert = @DoctorCert, DoctorCertData =
@DoctorCertData, DoctorLicense = @DoctorLicense, DoctorLicenseData =
@DoctorLicenseData WHERE DoctorName = @DoctorName"

    Try
        conn.Open()
        Dim cmd As New OleDbCommand(query, conn)
        cmd.Parameters.AddWithValue("@DoctorEmail",
GunaLineTextBox4.Text)
        cmd.Parameters.AddWithValue("@DoctorName",
GunaLineTextBox1.Text)
        cmd.Parameters.AddWithValue("@DoctorPhone",
GunaLineTextBox8.Text)
        cmd.Parameters.AddWithValue("@DoctorPharmacy",
GunaLineTextBox7.Text)
        cmd.Parameters.AddWithValue("@DoctorAge",
GunaLineTextBox2.Text)

```

```

        cmd.Parameters.AddWithValue("@DoctorCert",
Path.GetFileName(filepath1))
        cmd.Parameters.AddWithValue("@DoctorLicense",
Path.GetFileName(filePath2))
        cmd.Parameters.AddWithValue("@DoctorCertData", fileData1)
        cmd.Parameters.AddWithValue("@DoctorLicenseData", fileData2)

        Dim rowsAffected As Integer = cmd.ExecuteNonQuery()

        If rowsAffected > 0 Then
            MessageBox.Show("Doctor information updated
successfully.")
        Else
            MessageBox.Show("No rows were affected. Please check the
doctor name.")
        End If
        Catch ex As Exception
            MessageBox.Show("Error occurred while updating doctor
information: " & ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Private Sub GunaLineTextBox5_click(sender As Object, e As EventArgs)
Handles GunaLineTextBox5.Click
        Dim openFileDialog2 As New OpenFileDialog()
        openFileDialog2.Title = "Select File"
        openFileDialog2.Filter = "All Files (*.*)|*.*"

        If openFileDialog2.ShowDialog() = DialogResult.OK Then
            filePath2 = openFileDialog2.FileName
            MessageBox.Show("File selected and stored.")
        End If
    End Sub

    Private Sub GunaLineTextBox3_click(sender As Object, e As EventArgs)
Handles GunaLineTextBox3.Click
        Dim openFileDialog1 As New OpenFileDialog()
        openFileDialog1.Title = "Select File"
        openFileDialog1.Filter = "All Files (*.*)|*.*"

        If openFileDialog1.ShowDialog() = DialogResult.OK Then
            filepath1 = openFileDialog1.FileName
            MessageBox.Show("File selected and stored.")
        End If
    End Sub

    Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
Button3.Click
        Dim docbook As New docBOOKING(LoginUser)
        docbook.Show()
        Me.Hide()
    End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
Button2.Click

```

```

    Dim docapp As New docAPPOINTMENT (LoggedInUser)
    docapp.Show()
    Me.Hide()
End Sub
End Class

```

## Admin

### Login Page

```

Imports System.Data.OleDb
Imports System.Windows.Forms.VisualStyles.VisualStyleElement

Public Class login
    Dim conn As New OleDbConnection

    Public Property LoggedInUser As String
    Public Sub New(adminEmail As String)
        InitializeComponent()
        LoggedInUser = adminEmail
    End Sub
    Private Sub GunaLabel1_Click(sender As Object, e As EventArgs)
Handles GunaLabel1.Click

    End Sub

    Private Sub GunaLabel5_Click(sender As Object, e As EventArgs)
Handles GunaLabel5.Click

    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
        If GunaTextBox1.Text = Nothing Or GunaTextBox2.Text = Nothing
Then
            MsgBox("enter the credentials please")
        Else
            If conn.State = ConnectionState.Closed Then
                conn.Open()
            End If
            Dim cmd As New OleDbCommand("select count(*) from Admin where
AdminEmail=? and AdminPassword=?", conn)
            cmd.Parameters.AddWithValue("@1", OleDbType.VarChar).Value =
GunaTextBox1.Text
            cmd.Parameters.AddWithValue("@2", OleDbType.VarChar).Value =
GunaTextBox2.Text
            Dim count = Convert.ToInt32(cmd.ExecuteScalar())

            If (count > 0) Then
                MsgBox("login success")
                Dim kpi As New kpi(LoggedInUser)
                kpi.Show()
                Me.Hide()
            Else
                MsgBox("check credentials")
            End If
        End If
    End Sub

```

```

        End If
    End Sub

    Private Sub login_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\LENOVO\Documents\LoginDatabase.accdb"
    End Sub
End Class

```

## Forgot Password

```

Imports System.Data.OleDb
Imports System.Net
Imports System.Net.Mail
Imports System.Text.RegularExpressions
Imports Guna.UI.WinForms

Public Class custFORGETPASS
    Dim randomCode As String
    Public Shared toUser As String
    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        ' This event is triggered when Button1 is clicked.
        ' It checks if the entered code matches the randomly generated code.
        If (GunaTextBox2.Text.Equals(randomCode)) Then
            toUser = GunaTextBox1.Text
            Dim query As String = "UPDATE GuestData SET Password = @Password"
            conn.Open()
            Dim cmd As New OleDbCommand(query, conn)
            cmd.Parameters.AddWithValue("@Password", GunaTextBox6.Text)
            conn.Close()
        Else
            MessageBox.Show("Wrong Code") ' Display an error message if the code is incorrect.
        End If
    End Sub

    Private Sub GunaLinkLabel1_LinkClicked(sender As Object, e As LinkLabelLinkClickedEventArgs) Handles GunaLinkLabel1.LinkClicked
        ' This event is triggered when GunaLinkLabel1 is clicked.
        ' It sends a reset code to the provided email address.
        Dim from, pass, messageBody As String
        Dim rand As Random = New Random()
        randomCode = (rand.Next(999999)).ToString()
        Dim message As MailMessage = New MailMessage()
        toUser = GunaTextBox1.Text
        from = "taufiqifwat106@gmail.com"
        pass = "040610110335"
        messageBody = "Your reset code is " + randomCode
        message.To.Add(toUser)
    End Sub
End Class

```

```

message.From = New MailAddress(from)
message.Body = messageBody
message.Subject = "Password resetting code"
Dim smtp As SmtClient = New SmtClient("smtp.gmail.com")
smtp.EnableSsl = True
smtp.Port = 587
smtp.DeliveryMethod = SmtDeliveryMethod.Network
smtp.Credentials = New NetworkCredential(from,
"ppmroxmxklijxjo")
    Try
        smtp.Send(message) ' Send the email with the reset code.
        MessageBox.Show("Please check your email and enter the code
in the enter code textbox")
    Catch ex As Exception
        MessageBox.Show(ex.Message) ' Display an error message if the
email sending fails.
    End Try
End Sub

Private Sub custFORGETPASS_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
    ' This event is triggered when the custFORGETPASS form is loaded.
    ' It sets up the connection string for the OleDbConnection
object.
    conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents\LoginDatabase.accdb"
End Sub
End Class

```

## Partner

```

Imports System.Windows.Forms
Imports System.Data.OleDb
Imports Guna.UI.WinForms

Public Class partner
    Public Property LoggedInUser As String
    Public Sub New(AdminEmail As String)
        InitializeComponent()
        LoggedInUser = AdminEmail

    End Sub
    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand
    Private Sub partner_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
        conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents\LoginDatabase.accdb"
        LoadPendingRegistrations()
    End Sub
    Private Sub LoadPendingRegistrations()
        ' Clear existing controls
        FlowLayoutPanel1.Controls.Clear()

        ' Retrieve pending seller registrations
    End Sub

```



```

    Dim sellerQuery As String = "SELECT SellerName, SellerPharmacy
FROM Seller WHERE Verification=False"
    Dim sellerCmd As New OleDbCommand(sellerQuery, conn)
    If conn.State = ConnectionState.Closed Then
        conn.Open()
    End If
    Dim sellerReader As OleDbDataReader = sellerCmd.ExecuteReader()

    ' Add seller registrations to FlowLayoutPanel
    While sellerReader.Read()

        Dim sellerName As String = sellerReader.GetString(0)
        Dim sellerPharmacy As String = sellerReader.GetString(5)
        Dim sellerIC As String = sellerReader.GetString(3)

        Dim registrationPanel As New Panel()
        registrationPanel.BackColor = Color.Tan
        registrationPanel.Size = New Size(783, 156)

        Dim roleLabel As New GunaLabel()
        roleLabel.Text = "Pharmacy"
        roleLabel.BackColor = Color.Tan
        roleLabel.Location = New Point(21, 0)
        roleLabel.Size = New Size(106, 31)
        registrationPanel.Controls.Add(roleLabel)

        Dim nameLabel As New Label()
        nameLabel.Text = "Dr. " & sellerName
        roleLabel.BackColor = Color.BurlyWood
        roleLabel.Location = New Point(311, 30)
        roleLabel.AutoSize = True
        registrationPanel.Controls.Add(nameLabel)

        Dim pharmacyLabel As New Label()
        nameLabel.Text = sellerPharmacy
        roleLabel.BackColor = Color.BurlyWood
        roleLabel.Location = New Point(299, 72)
        roleLabel.AutoSize = True
        registrationPanel.Controls.Add(pharmacyLabel)

        Dim approveButton As New Button()
        approveButton.Text = "Accept"
        approveButton.Tag = sellerName
        approveButton.BackColor = Color.LawnGreen
        approveButton.Size = New Size(93, 26)
        approveButton.Location = New Point(268, 115)
        AddHandler approveButton.Click, AddressOf
ApproveSellerRegistration
        registrationPanel.Controls.Add(approveButton)

        Dim declineButton As New Button()
        declineButton.Text = "Decline"
        declineButton.Tag = sellerName
        declineButton.BackColor = Color.Red
        declineButton.Size = New Size(93, 26)
        declineButton.Location = New Point(430, 115)

```

```

        AddHandler declineButton.Click, AddressOf
declinesellerRegistration
        registrationPanel.Controls.Add(declineButton)

        FlowLayoutPanel1.Controls.Add(registrationPanel)
End While

sellerReader.Close()

' Retrieve pending seller registrations
Dim DoctorQuery As String = "SELECT DoctorName, DoctorPharmacy
FROM DoctorData WHERE DoctorVerification=False"
Dim DoctorCmd As New OleDbCommand(DoctorQuery, conn)
If conn.State = ConnectionState.Closed Then
    conn.Open()
End If
Dim DoctorReader As OleDbDataReader = sellerCmd.ExecuteReader()

' Add Doctor registrations to FlowLayoutPanel
While DoctorReader.Read()

    Dim DoctorName As String = DoctorReader.GetString(0)
    Dim DoctorPharmacy As String = DoctorReader.GetString(5)

    Dim registrationPanel As New Panel()
    registrationPanel.BackColor = Color.Tan
    registrationPanel.Size = New Size(783, 156)

    Dim roleLabel As New GunaLabel()
    roleLabel.Text = "Doctor"
    roleLabel.BackColor = Color.Tan
    roleLabel.Location = New Point(21, 0)
    roleLabel.Size = New Size(106, 31)
    registrationPanel.Controls.Add(roleLabel)

    Dim nameLabel As New Label()
    nameLabel.Text = "Dr. " & DoctorName
    roleLabel.BackColor = Color.BurlyWood
    roleLabel.Location = New Point(311, 30)
    roleLabel.AutoSize = True
    registrationPanel.Controls.Add(nameLabel)

    Dim pharmacyLabel As New Label()
    nameLabel.Text = DoctorPharmacy
    roleLabel.BackColor = Color.BurlyWood
    roleLabel.Location = New Point(299, 72)
    roleLabel.AutoSize = True
    registrationPanel.Controls.Add(pharmacyLabel)

    Dim approveButton As New Button()
    approveButton.Text = "Accept"
    approveButton.Tag = DoctorName
    approveButton.BackColor = Color.LawnGreen
    approveButton.Size = New Size(93, 26)
    approveButton.Location = New Point(268, 115)

```

```

        AddHandler approveButton.Click, AddressOf
ApproveDoctorRegistration
        registrationPanel.Controls.Add(approveButton)

        Dim declineButton As New Button()
        declineButton.Text = "Decline"
        declineButton.Tag = DoctorName
        declineButton.BackColor = Color.Red
        declineButton.Size = New Size(93, 26)
        declineButton.Location = New Point(430, 115)
        AddHandler declineButton.Click, AddressOf
declinedoctorRegistration
        registrationPanel.Controls.Add(declineButton)

        FlowLayoutPanel1.Controls.Add(registrationPanel)
    End While

    sellerReader.Close()
End Sub

Private Sub ApproveSellerRegistration(sender As Object, e As
EventArgs)
    Dim sellerName As String = DirectCast(sender,
Button).Tag.ToString()

    If conn.State = ConnectionState.Closed Then
        conn.Open()
    End If

    ' Update the Seller table to mark the registration as approved
    Dim updateQuery As String = "UPDATE Seller SET Verification=True
WHERE SellerName=?"
    Dim updateCmd As New OleDbCommand(updateQuery, conn)
    updateCmd.Parameters.AddWithValue("@SellerName", sellerName)
    updateCmd.ExecuteNonQuery()

    conn.Close()

    LoadPendingRegistrations()
End Sub

Private Sub declineSellerRegistration(sender As Object, e As
EventArgs)
    Dim sellerName As String = DirectCast(sender,
Button).Tag.ToString()

    If conn.State = ConnectionState.Closed Then
        conn.Open()
    End If

    ' Update the Seller table to mark the registration as approved
    Dim updateQuery As String = "UPDATE Seller SET
Verification=False WHERE SellerName=?"
    Dim updateCmd As New OleDbCommand(updateQuery, conn)
    updateCmd.Parameters.AddWithValue("@SellerName", sellerName)
    updateCmd.ExecuteNonQuery()

```

```

        conn.Close()

        LoadPendingRegistrations()
    End Sub

    Private Sub ApproveDoctorRegistration(sender As Object, e As
EventArgs)
        Dim DoctorName As String = DirectCast(sender,
Button).Tag.ToString()

        If conn.State = ConnectionState.Closed Then
            conn.Open()
        End If

        ' Update the doctor table to mark the registration as approved
        Dim updateQuery As String = "UPDATE DoctorData SET
Verification=True WHERE DoctorName=?"
        Dim updateCmd As New OleDbCommand(updateQuery, conn)
        updateCmd.Parameters.AddWithValue("@DoctorName", DoctorName)
        updateCmd.ExecuteNonQuery()

        conn.Close()

        LoadPendingRegistrations()
    End Sub

    Private Sub declinedoctorRegistration(sender As Object, e As
EventArgs)
        Dim DoctorName As String = DirectCast(sender,
Button).Tag.ToString()

        If conn.State = ConnectionState.Closed Then
            conn.Open()
        End If

        ' Update the Doctor table to mark the registration as approved
        Dim updateQuery As String = "UPDATE DoctorData SET
Verification=False WHERE DoctorName=?"
        Dim updateCmd As New OleDbCommand(updateQuery, conn)
        updateCmd.Parameters.AddWithValue("@DoctorName", DoctorName)
        updateCmd.ExecuteNonQuery()

        conn.Close()

        LoadPendingRegistrations()
    End Sub

    Private Sub Button6_Click(sender As Object, e As EventArgs) Handles
Button6.Click
        Dim kpi As New kpi(LoginUser)
        kpi.Show()
        Me.Hide()
    End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
Button2.Click
        Dim info As New infoadmin(LoginUser)

```

```

        info.Show()
        Me.Hide()
    End Sub

    Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
Button3.Click
        Dim faq As New faq(LoginUser)
        faq.Show()
        Me.Hide()
    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
        Dim prof As New profile(LoginUser)
        prof.Show()
        Me.Hide()
    End Sub
End Class

```

## Profile

```

Imports System.Data.OleDb
Imports System.IO
Public Class profile
    Dim conn As New OleDbConnection
    Dim cmd As OleDbCommand
    Public Property LoginUser As String
    Public Sub New(AdminEmail As String)
        InitializeComponent()
        LoginUser = AdminEmail
    End Sub

    Private Sub Button5_Click(sender As Object, e As EventArgs) Handles
Button5.Click
        Dim partner As New partner(LoginUser)
        partner.Show()
        Me.Hide()
    End Sub

    Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
Button3.Click
        Dim faq As New faq(LoginUser)
        faq.Show()
        Me.Hide()
    End Sub

    Private Sub profile_Load(sender As Object, e As EventArgs) Handles
 MyBase.Load
        conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\LENOVO\Documents\LoginDatabase.accdb"

        Dim query As String = "SELECT * FROM Admin WHERE AdminEmail =
@AdminEmail"
        Try
            conn.Open()
            Dim cmd As New OleDbCommand(query, conn)

```

```

cmd.Parameters.AddWithValue("@AdminEmail", loggedInUser)

Dim reader As OleDbDataReader = cmd.ExecuteReader()

If reader.Read() Then
    GunaLineTextBox1.Text = reader("AdminName").ToString()
    'GunaLineTextBox3.Text = reader("DoctorCert").ToString()
    GunaLineTextBox4.Text = reader("AdminEmail").ToString()
    GunaLineTextBox5.Text = reader("AdminAddress").ToString()
    GunaLineTextBox7.Text = reader("AdminCountry").ToString()
    GunaLineTextBox8.Text = reader("AdminPhone").ToString()
    GunaLineTextBox2.Text = reader("SellerAge").ToString()
End If
reader.Close()
Catch ex As Exception
    MessageBox.Show("Error occurred while retrieving user
information: " & ex.Message)
Finally
    conn.Close()
End Try
End Sub

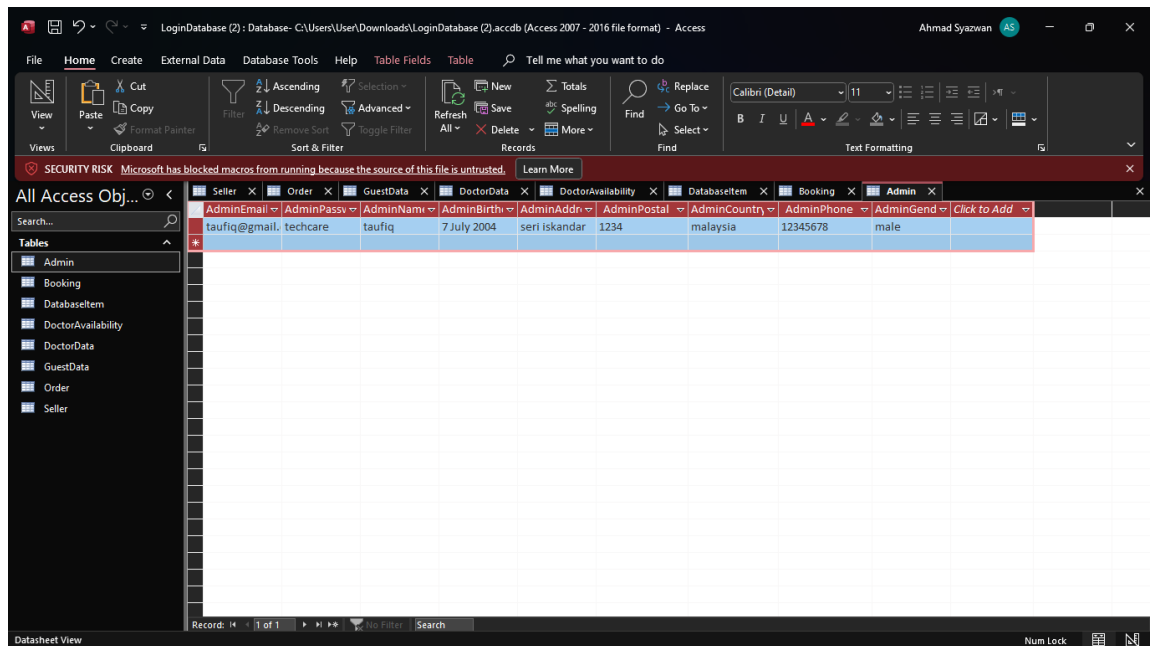
Private Sub Button6_Click(sender As Object, e As EventArgs) Handles
Button6.Click
    Dim kpi As New kpi(loggedInUser)
    kpi.Show()
    Me.Hide()
End Sub

Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
Button2.Click
    Dim info As New infoadmin(loggedInUser)
    info.Show()
    Me.Hide()
End Sub
End Class

```

## 4.4 Screenshot of Microsoft Access (With Tables) Or Text File(S) Used for Data Storage

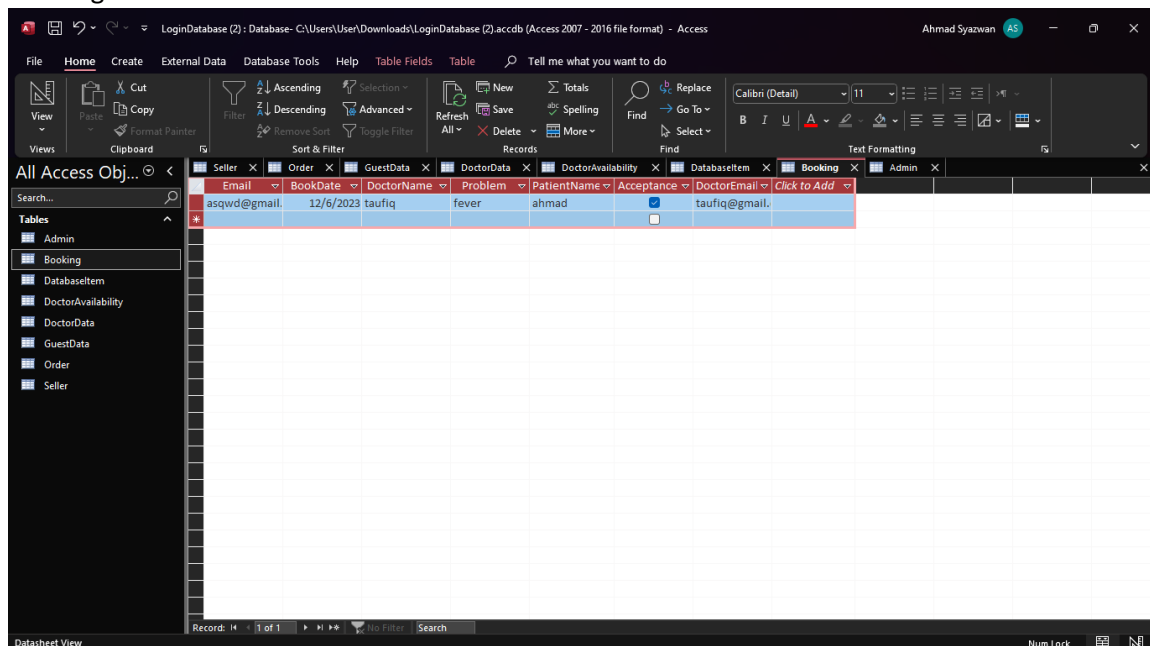
### 1) Admin



The screenshot shows the Microsoft Access application window with the 'Admin' table selected in the 'All Access Objects' pane. The table is displayed in Datasheet View. The table has the following fields: AdminEmail, AdminPassw, AdminName, AdminBirth, AdminAddn, AdminPostal, AdminCountry, AdminPhone, AdminGend, and Click to Add. The first record contains the following data:

AdminEmail	AdminPassw	AdminName	AdminBirth	AdminAddn	AdminPostal	AdminCountry	AdminPhone	AdminGend	Click to Add
taufiq@gmail	techcare	taufiq	7 July 2004	seri iskandar	1234	malaysia	12345678	male	

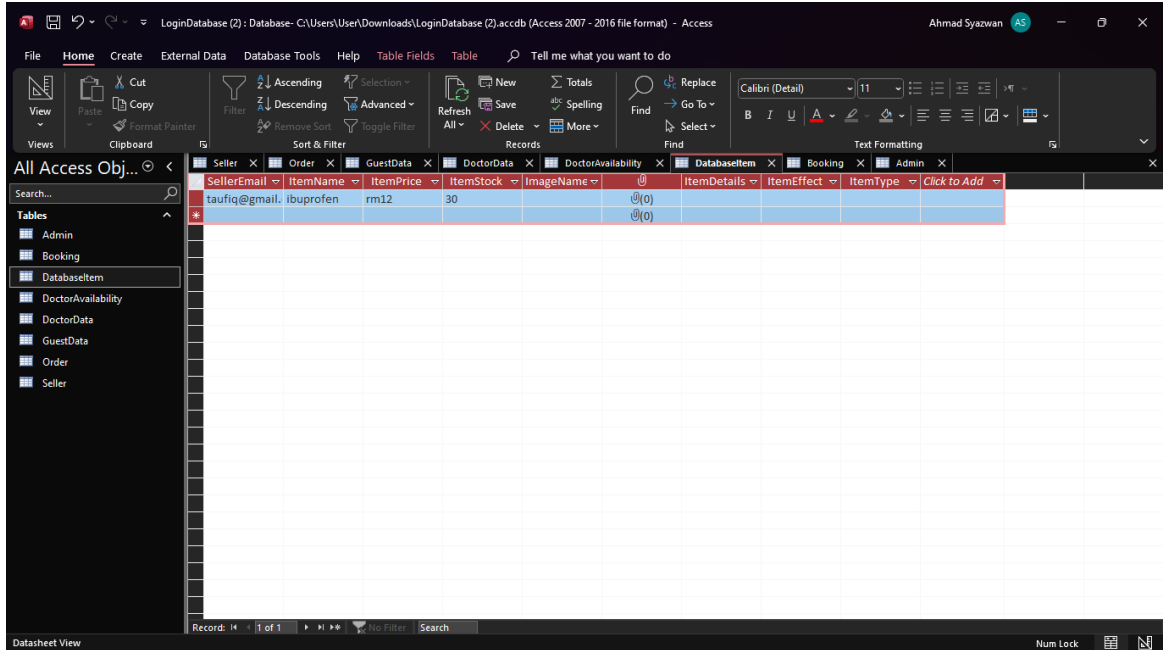
### 2) Booking



The screenshot shows the Microsoft Access application window with the 'Booking' table selected in the 'All Access Objects' pane. The table is displayed in Datasheet View. The table has the following fields: Email, BookDate, DoctorName, Problem, PatientName, Acceptance, and DoctorEmail. The first record contains the following data:

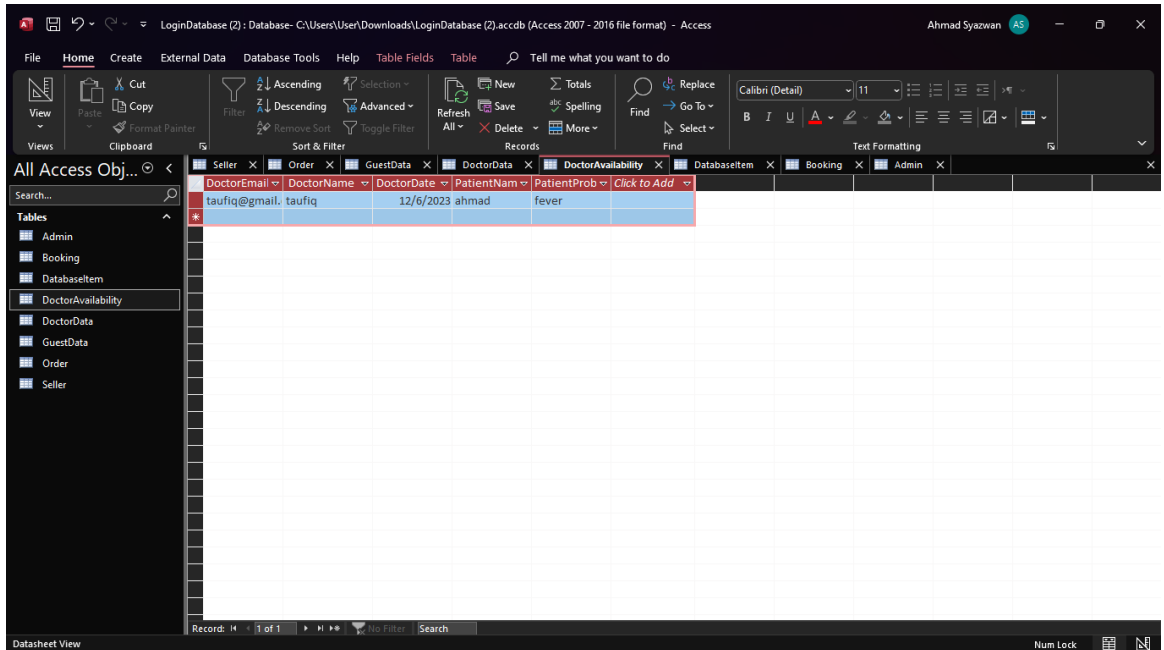
Email	BookDate	DoctorName	Problem	PatientName	Acceptance	DoctorEmail
asqwd@gmail	12/6/2023	taufiq	fever	ahmad	<input checked="" type="checkbox"/>	taufiq@gmail

### 3) Item



SellerEmail	ItemName	ItemPrice	ItemStock	ImageName	ItemDetails	ItemEffect	ItemType
taufiq@gmail	ibuprofen	rm12	30				

### 4) Doctor Availability



DoctorEmail	DoctorName	DoctorDate	PatientName	PatientProb
taufiq@gmail	taufiq	12/6/2023	ahmad	fever



## 5) Doctor Data

Microsoft Access window: LoginDatabase (2) - Database - C:\Users\User\Downloads>LoginDatabase (2).accdb (Access 2007 - 2016 file format) - Access. User: Ahmad Syazwan.

Table: DoctorData

DoctorName	DoctorEmail	DoctorPassw	DoctorIC	DoctorPhon	DoctorPharma	DoctorGend	DoctorAge	DoctorCert	DoctorCert	DoctorLicen	DoctorLicen
taufiq	taufiq@gmail.	123456789	12345678	123456789	abcd	male	35				

Status bar: Record: 1 of 1, No Filter, Search.

## 6) Customer Data

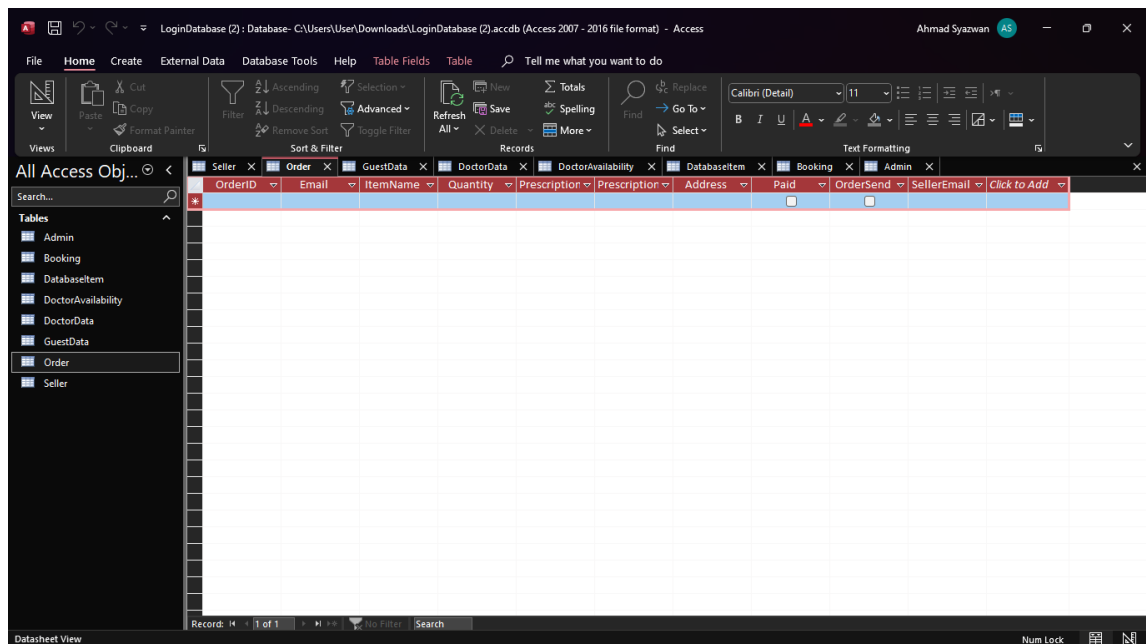
Microsoft Access window: LoginDatabase (2) - Database - C:\Users\User\Downloads>LoginDatabase (2).accdb (Access 2007 - 2016 file format) - Access. User: Ahmad Syazwan.

Table: GuestData

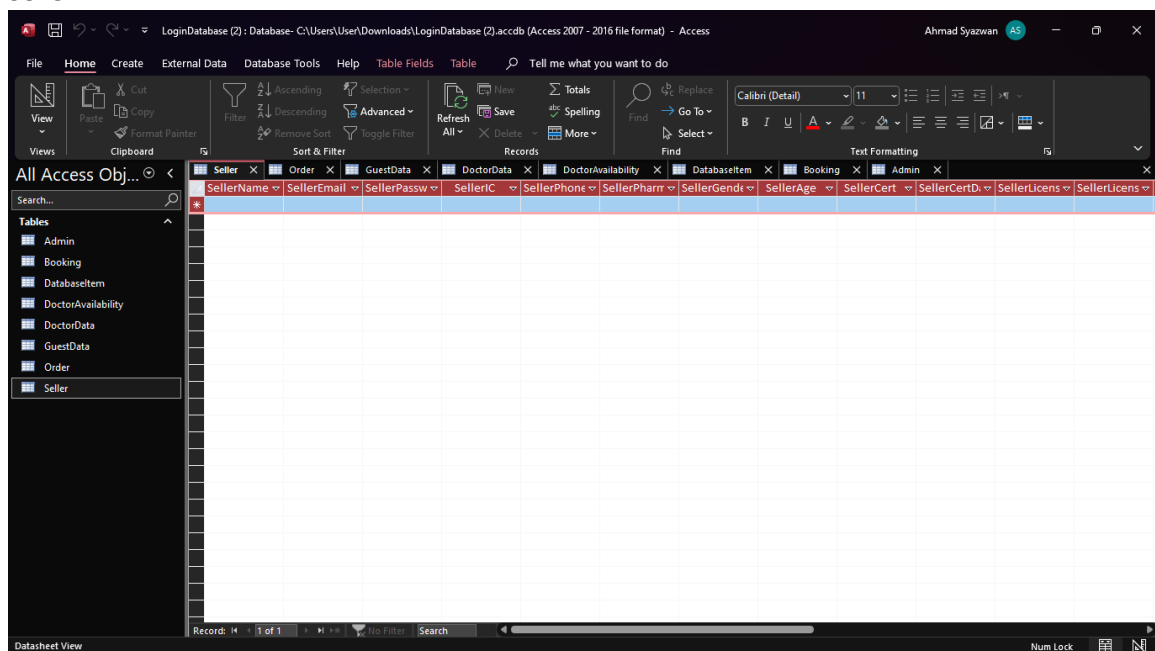
GuestName	Email	Password	IC	Phone	Address	Gender	Age	Birthday	State	Postal_Code	CardHolder
adcfed	utp@gmail.co	12345	123456789	123456789	seri Iskandar	male	23	12/4/2000	perak	321600	

Status bar: Record: 1 of 2, No Filter, Search.

7) Order



8) Seller



## 5.0 RESOURCES

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