**ANALYSIS AND DESIGN OF   
Call A Doc**

This report was made to complete a big project of

Programming Web Courses



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**2020**

# TABLE OF CONTENTS

[TABLE OF CONTENTS i](#_Toc38720773)

[LIST OF FIGURES ii](#_Toc38720774)

[LIST OF TABLES iii](#_Toc38720775)

[CHAPTER I Introduction 4](#_Toc38720776)

[1.1. About Web 4](#_Toc38720777)

[1.2. Limitation of Work 4](#_Toc38720778)

[1.2.1. Pages are Built 4](#_Toc38720779)

[1.2.2. CRUD Pages 5](#_Toc38720780)

[1.3. Job Description 5](#_Toc38720781)

[CHAPTER II Analysis and Design 6](#_Toc38720782)

[2.1. Business process 6](#_Toc38720783)

[2.2. Designing Entity Relationship Diagrams 6](#_Toc38720784)

[2.3. *Use case Diagram* and *Use case Scenario* 7](#_Toc38720785)

[2.3.1. *Use case Diagram* 7](#_Toc38720786)

[2.3.2. *Use case Scenario* 8](#_Toc38720787)

[CHAPTER III Implementation Results 13](#_Toc38720788)

[3.1. Screenshots 13](#_Toc38720789)

[3.1.1. Create Account 13](#_Toc38720790)

[3.1.2. Login 14](#_Toc38720791)

[3.1.3. Ask Doctor 15](#_Toc38720792)

[3.1.4. Search Doctor 15](#_Toc38720793)

[3.1.5. Buy Medicine 16](#_Toc38720794)

[3.1.6. Search Medicine 16](#_Toc38720795)

[3.1.7. Transaction 17](#_Toc38720796)

[3.1.8. Logout 17](#_Toc38720797)

# LIST OF FIGURES

[Figures 1. ERD 6](#_Toc38722291)

[Figures 2. Customer Use Case Diagram 7](#_Toc38722292)

[Figures 3. Doctor Use Case Diagram 7](#_Toc38722293)

[Figures 4. Admin Use Case Diagram 8](#_Toc38722294)

[Figures 5. Create Account Screenshot 14](#_Toc38722295)

[Figures 6. Login Screenshot 15](#_Toc38722296)

[Figures 7. Ask Doctor Screenshot 16](#_Toc38722297)

[Figures 8. Search Doctor Screenshot 16](#_Toc38722298)

[Figures 9. Buy Medicine Screenshot 17](#_Toc38722299)

[Figures 10. Search Medicine 17](#_Toc38722300)

[Figures 11. Transaction Screenshot 18](#_Toc38722301)

[Figures 12. Logout Screenshot 18](#_Toc38722302)

# LIST OF TABLES

[Tables 1. Pages are Built 4](#_Toc38722309)

[Tables 2. CRUD list 5](#_Toc38722310)

[Tables 3. Job Description 5](#_Toc38722311)

[Tables 4. Create Account Use Case Scenario 9](#_Toc38722312)

[Tables 5. Login Use Case Scenario 9](#_Toc38722313)

[Tables 6. Ask Doctor Use Case Scenario 10](#_Toc38722314)

[Tables 7. Search Doctor Use Case Scenario 11](#_Toc38722315)

[Tables 8. Buy Medicine Use Case Scenario 11](#_Toc38722316)

[Tables 9. Search Medicine Use Case Scenario 12](#_Toc38722317)

[Tables 10. Transaction Use Case Scenario 12](#_Toc38722318)

[Tables 11. Logout Use Case Scenario 13](#_Toc38722319)

# CHAPTER I Introduction

## About Web

*Call A Doc* is an Application / Software that is accessed using web browser through a network such as the internet. This Application is made to facilitate customers who want to consult to Doctor or buy a medicine. Customers only need to register an account and login to access the Application. Then customers can choose the menu wether to consult to doctor, or buy a medicine. In Consult to Doctor menu, customers can consult to doctor by email, In buy medicine menu, Customers can choose and buy the available medicine. For the payment method it can be pay by COD (Cash On Delivery) to Courier or can be pay by Transfer Bank.

The reason why the *Call A Doc* website becomes the topic of the final project because the virus pandemic is currently occurring all over the world, with a call doc we can consult easily and buy the medicine without leaving home

## Limitation of Work

There are the explanation of the limitation of this website.

### Pages are Built

|  |  |  |
| --- | --- | --- |
| **No.** | **Pages** | **Explanation** |
| 1. | Create Account | Create Account used by Customers to create the account for access the website |
| 2. | Login | Login is used by Customers, Admin, and Doctor to Log in for access the website |
| 3. | Ask Doctor | Ask Doctor used by Customers to consult to the doctor by chat. |
| 4. | Search Doctor | Search Doctor is used byCustomers to search the Doctor. |
| 5. | Buy Medicine | Buy Medicine used by Customers to Buy the available medicine. |
| 6. | Search Medicine | Search Medicine used by Customers to search the Medicine. |
| 7. | Transaction | Transaction is used by Customers to purchase the Medicine. |
| 8. | Logout | Logout is used by Customers, Admin, Doctors to Log Out the account from the website. |

Tables 1. Pages are Built

### CRUD Pages

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **CRUD** | **Pages** | **Explanation** |
| 1. | Create | Create Medicine | Used to create new Medicine |
|  |  | Create Doctor | Used to create new Doctor |
|  |  | Create Message | Used to create Message to Doctor |
|  |  | Create Customer Account | Used to create Customer Account |
| 2. | Read | View Medicine | Used to view the Medicine |
|  |  | View Doctor | Used to view the Doctor |
|  |  | View Message | Used to view the Message from Customer |
| 3. | Update | Update Medicine | Used to update the Medicine |
|  |  | Update Doctor | Used to update the Doctor |
|  |  | Update User | Used to Update User Data |
| 4. | Delete | Delete Medicine | Used to delete the Medicine |
|  |  | Delete Doctor | Used to delete the Doctor |
|  |  | Delete Message | Used to delete the Message |

Tables 2. CRUD list

## Job Description

*Job descriptions of each group member are explained clearly and in detail.*

|  |  |  |  |
| --- | --- | --- | --- |
| No | Name | Student ID | Job Description |
| 1. | Salsabilla Rinaldi | 1301184463 |  |
| 2. | Aldilla Rafi | 1301184425 |  |
| 3. | Azka Jauhary | 1301184439 |  |
| 4. | Faisal Adly | 1301184438 |  |
| 5. | Rafly Mizalfi | 1301180502 |  |

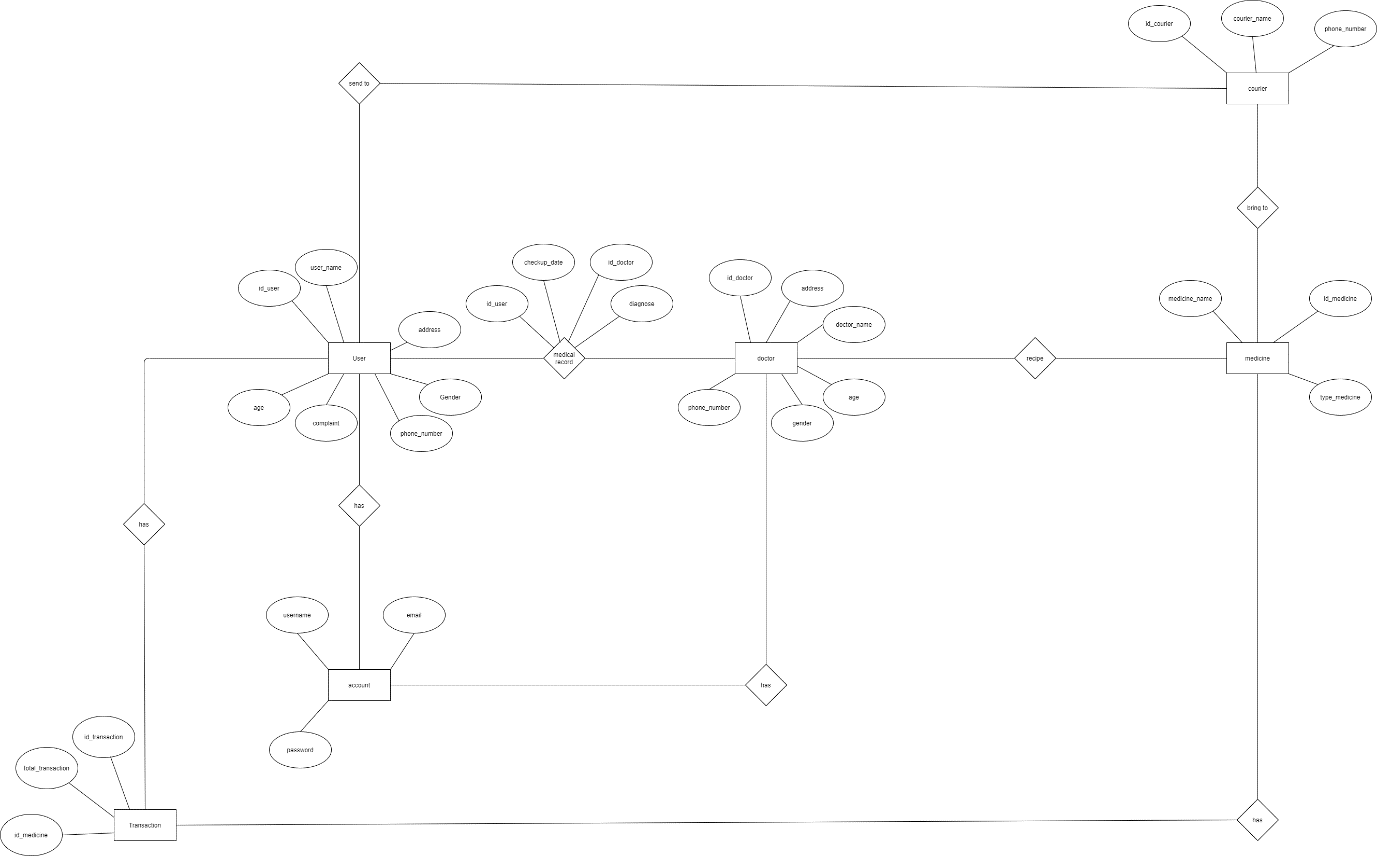
Tables 3. Job Description

# CHAPTER II Analysis and Design

## 2.1. Business process

*Call A Doc* is the website that run in Doctor Consult and Sell Medicine product, Customer have to create account and Login to access the website. The business process that *Call A Doc* have is selling the medicine, Customer can buy the available medicine in Buy Medicine Menu, and the payment can be payed by COD (Cash On Delivery) or by Transfer Bank, after Customer purchase the Medicine, the Medicine will be deliver by Courier.

## 2.2. Designing Entity Relationship Diagrams

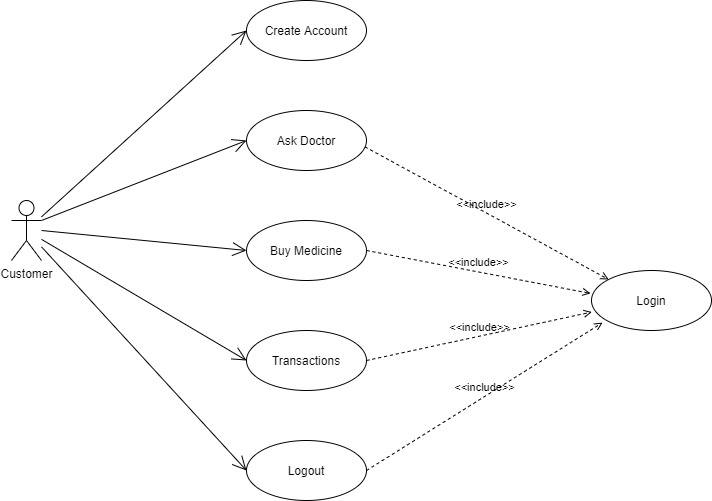


Figures 1. ERD

## 2.3. *Use case Diagram* and *Use case Scenario*

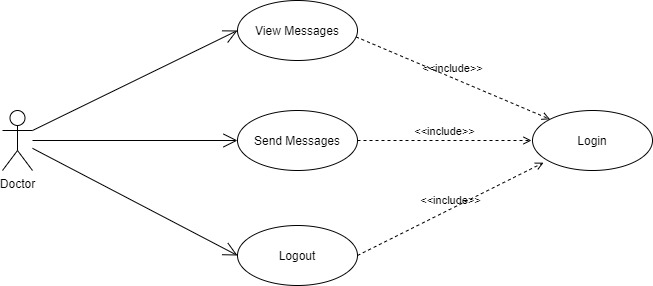
### 2.3.1. *Use case Diagram*

#### 2.3.1.1. Customer



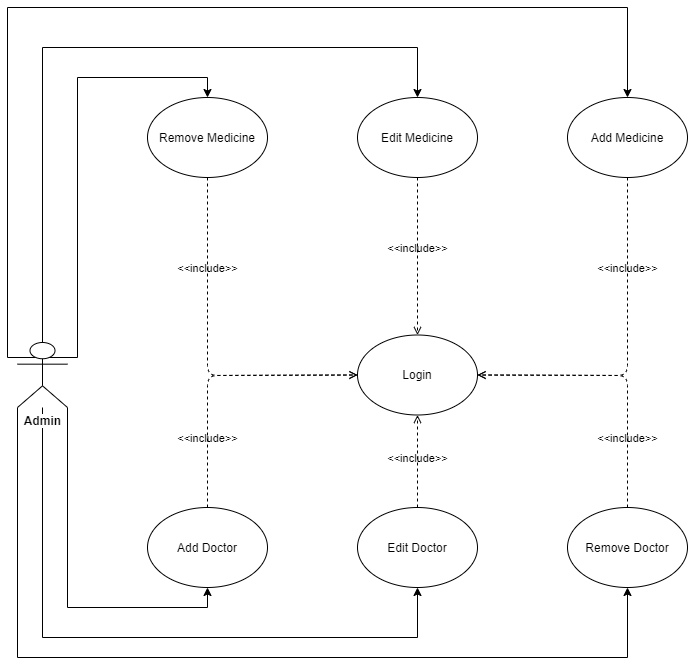
Figures 2. Customer Use Case Diagram

#### 2.3.1.2. Doctor



Figures 3. Doctor Use Case Diagram

#### 2.3.1.3. Admin



Figures 4. Admin Use Case Diagram

### 2.3.2. *Use case Scenario*

#### 2.3.2.1. Create Account

|  |  |  |
| --- | --- | --- |
| Use Case Name | Create Account | |
| Description | Used to login | |
| Actor | Customer | |
| Pre-condition | User does not has an account | |
| Post-condition | User has an account | |
| Main Scenario |  | |
|  | Aktor | Sistem |
| 1. Customer open the website 2. Customer choose registration |  |
|  | 1. System will show the profile form |

Tables 4. Create Account Use Case Scenario

#### 2.3.2.2. Login

|  |  |  |
| --- | --- | --- |
| Use Case Name | Login | |
| Description | To access the web | |
| Actor | Customer | |
| Pre-condition | User has an account | |
| Post-condition | User has their account to logged in | |
| Main Scenario |  | |
|  | Aktor | Sistem |
| 1. Customer log in to the app |  |
|  | 1. System will show the list of service |

Tables 5. Login Use Case Scenario

#### 2.3.2.3. Ask Doctor

|  |  |  |
| --- | --- | --- |
| Use Case Name | Ask Doctor | |
| Description | Customer can ask anything | |
| Actor | Customer | |
| Pre-condition | Customer has logged in to their account | |
| Post-condition | Customer has selected consultation services | |
| Main Scenario |  | |
|  | Aktor | Sistem |
| 1. Customer click consultation menu |  |
|  | 1. System show doctor category |
|  | 1. Customer choose doctor category |  |
|  |  | 1. System will display categories doctors who have chosen |
|  | 1. Customer choose the doctor |  |
|  |  | 1. System will show chatting menu |

Tables 6. Ask Doctor Use Case Scenario

#### Search Doctor

|  |  |  |
| --- | --- | --- |
| Use Case Name | Search Doctor | |
| Description | Used to search the available Doctor | |
| Actor | Customer | |
| Pre-condition | Customer has select the Ask Doctor | |
| Post-condition | Customer has search the Doctor | |
| Main Scenario |  | |
|  | Aktor | Sistem |
| 1. Customer click Ask Doctor Menu |  |
|  | 1. System show the Doctor menu |
|  | 1. Customer Search the available Doctor |  |

Tables 7. Search Doctor Use Case Scenario

#### Buy Medicine

|  |  |  |
| --- | --- | --- |
| Use Case Name | Buy Medicine | |
| Description | Used to buy the medicine what customer’s need | |
| Actor | Customer | |
| Pre-condition | Customer has logged in to their account | |
| Post-condition | Customer has selected Buy Medicine | |
| Main Scenario |  | |
|  | Aktor | Sistem |
| 1. Customer click the Buy Medicine menu |  |
|  | 1. System show the available medicines |
|  | 1. Customer choose the medicine |  |

Tables 8. Buy Medicine Use Case Scenario

#### Search Medicine

|  |  |  |
| --- | --- | --- |
| Use Case Name | Search Medicine | |
| Description | Used to search the available medicine | |
| Actor | Customer | |
| Pre-condition | Customer has select the Buy Medicine menu | |
| Post-condition | Customer has search the available Medicine | |
| Main Scenario |  | |
|  | Aktor | Sistem |
| 1. Customer click the Buy Medicine menu |  |
|  | 1. System show available medicine |
|  | 1. Customer search the medicine |  |

Tables 9. Search Medicine Use Case Scenario

#### Transaction

|  |  |  |
| --- | --- | --- |
| Use Case Name | Transaction | |
| Description | Used to purchase the Customers Medicine | |
| Actor | Customer | |
| Pre-condition | Customer has logged in to their account | |
| Post-condition | Customer has selected transaction | |
| Main Scenario |  | |
|  | Aktor | Sistem |
| 1. Customer click the transaction |  |
|  | 1. System show payment method |
|  | 1. Customer choose the payment method |  |

Tables 10. Transaction Use Case Scenario

#### Logout

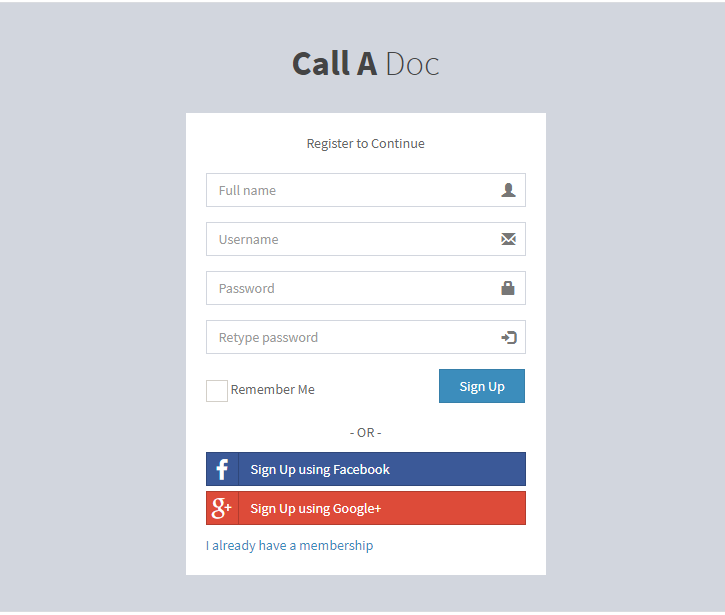
|  |  |  |
| --- | --- | --- |
| Use Case Name | Logout | |
| Description | Used to logout an account | |
| Actor | Customer | |
| Pre-condition | Customer has logged in to their account | |
| Post-condition | Customer has selected logout menu | |
| Main Scenario |  | |
|  | Aktor | Sistem |
| 1. Customer click logout menu |  |
|  | 1. System will show login menu |

Tables 11. Logout Use Case Scenario

# CHAPTER III Implementation Results

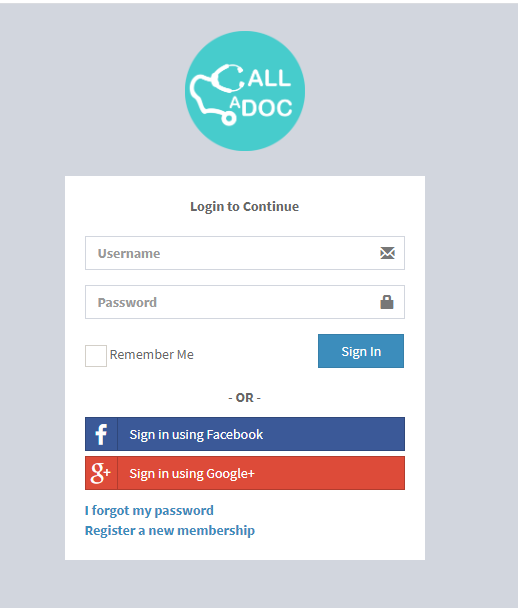
## Screenshots

### Create Account



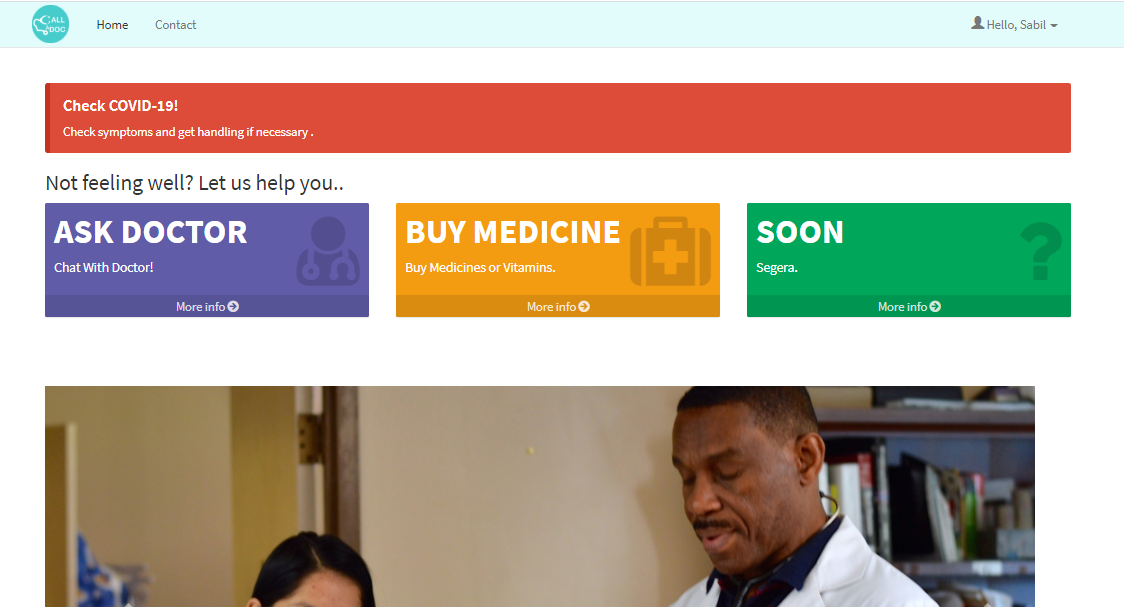
Figures 5. Create Account Screenshot

### Login



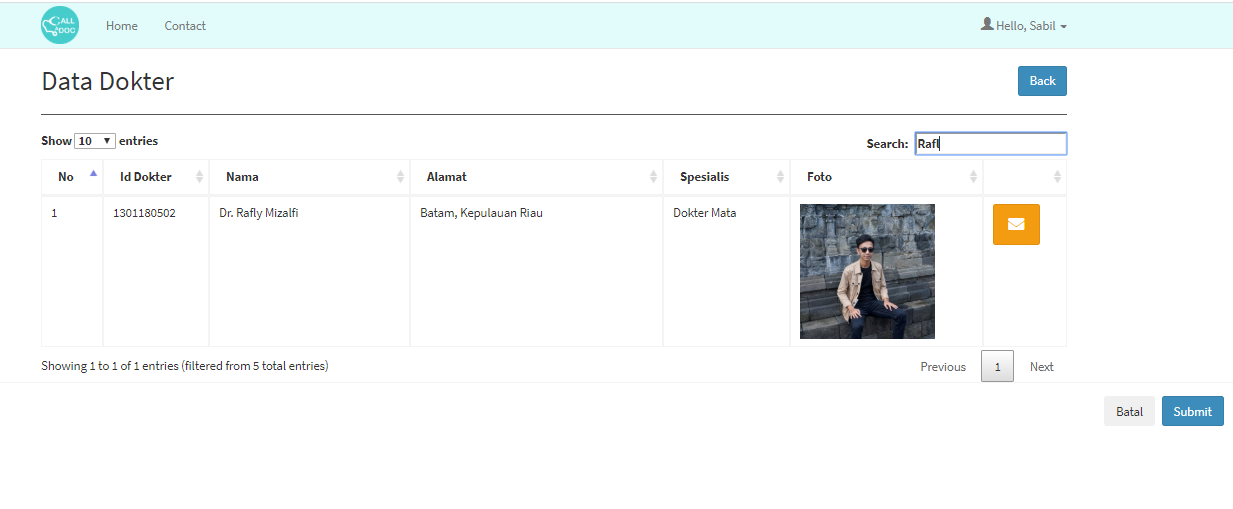
Figures 6. Login Screenshot

### Ask Doctor



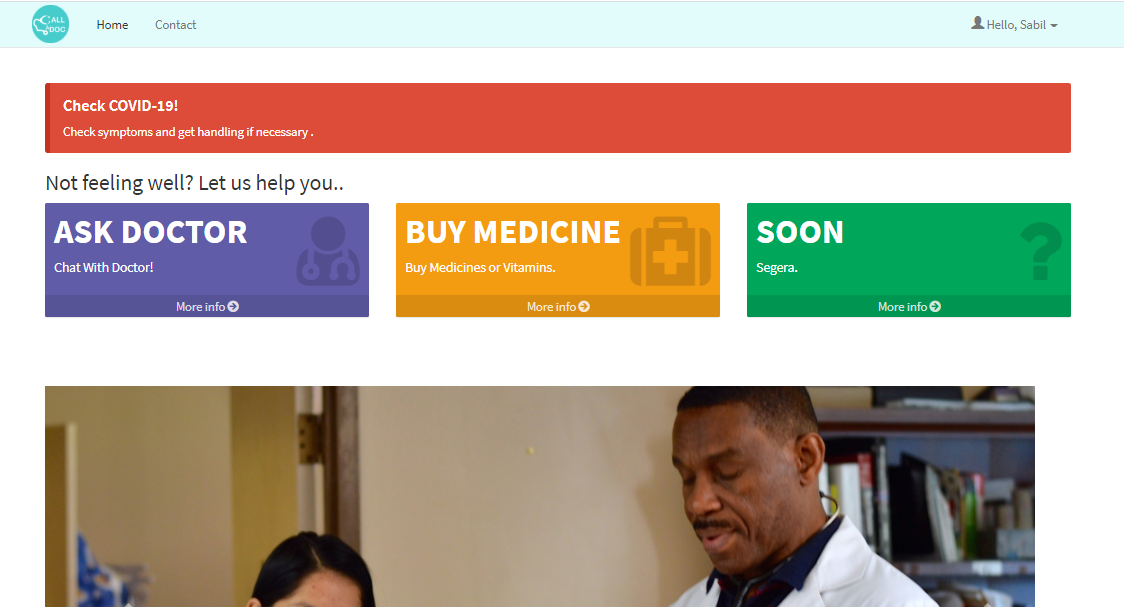
Figures 7. Ask Doctor Screenshot

### Search Doctor



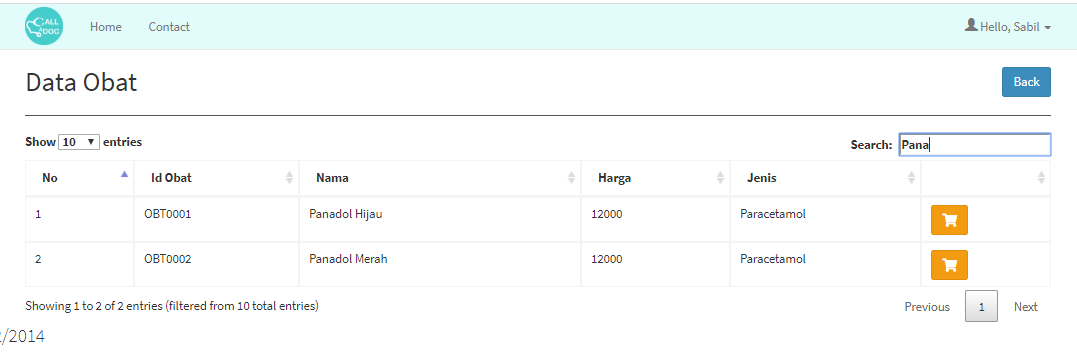
Figures 8. Search Doctor Screenshot

### Buy Medicine



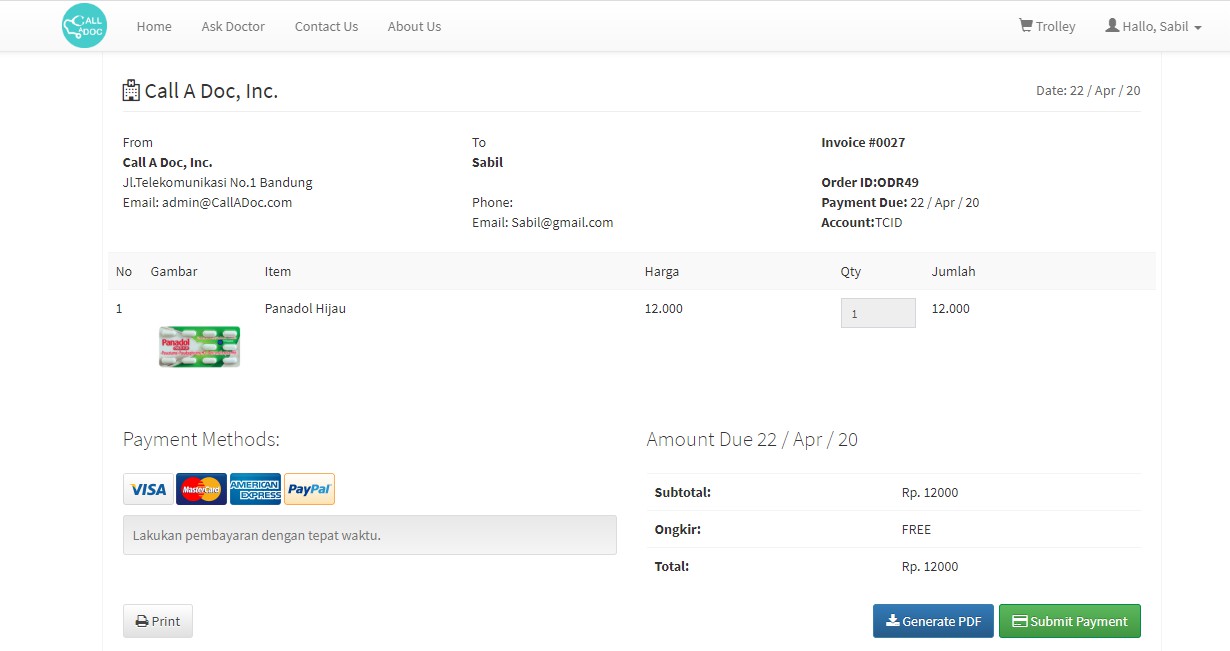
Figures 9. Buy Medicine Screenshot

### Search Medicine



Figures 10. Search Medicine

### Transaction



Figures 11. Transaction Screenshot

### Logout

Figures 12. Logout Screenshot