

# Skin Essentials Medical Clinic Application

Mohamed Barodi, Ahmed Noman, Khalid Noman, Carilyn Santisteban, Dr. ABM Islam Department of Computer Science, Sam Houston State University, TX, USA

#### INTRODUCTION

- The main purpose of the project is the development of a means of communication between our client, Skin Essentials Medical Clinics, and their customers that does not rely on social media and/or direct contact.
- A mobile application has been developed to be used by customers of the clinic. The application will have the ability to present information to the user; as well as acquire it from the user.
- A computer application has been developed to give the clinic the ability to easily manipulate information being relayed to their customers and the ability to view information sent in by the customers.
- The applications were designed with ease of use being the main concern, along with the objective satisfaction.

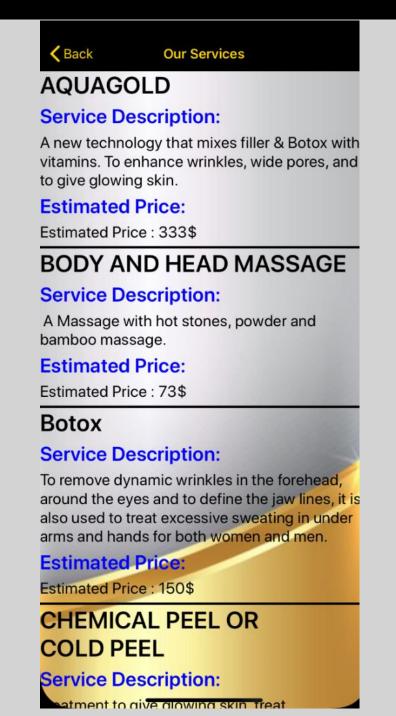
# Main Menu Startup menu with 6 options: 1) Register As New Patient, 2) Request an Appointment, 3) Review a Visit, 4) View Services, 5) View Doctors, 6) Contact Us Register As a New Patient

Skin Essentials Medical Clinics

HEMICAL PEEL OR COLD PEEL

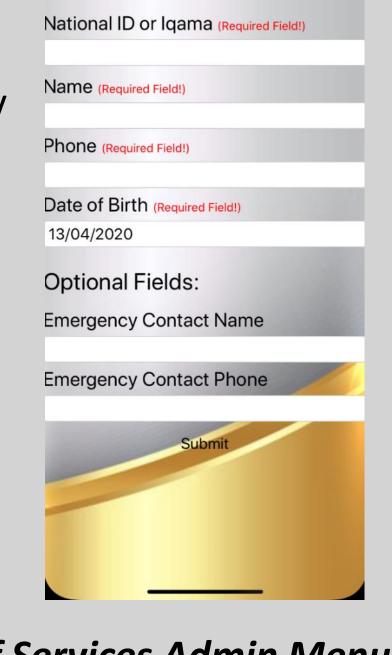
DERMA PEN EAR PIERCING AND BODY PIERCIN

HREADING FACIAL HAIR REMOVA



# **View Services**

Provides the customer a list of services offered by the clinic



### Register As A New Patient

Prompts the user to complete the required information to register as a patient of the clinic

(Request an Appointment and Review a Visit have similar layout but different fields)

## **Contact Us**

+966 (50) 9223379

+966 (13) 8082080

3796 King Salman ib Abdul Aziz Road - Al

Yarmok, Unit No. 2, A

Khobar 34423-6083

Kingdom of Saudi

(O)

Provides phone number(s), address, and business hours of the clinic

ease feel free to message us on o \*Mobile Application's IOS Port displayed. Android port also

#### \*Pictured is the List of Services Admin Menu\*

APPLICATION OVERVIEW

Required Fields:

#### **Computer Application**

- The admin menu has 7 options (from top to bottom on left hand menu): View Registrations, View Feedback Forms, View Appointment Requests, View Patient Files, Manage Staff, View Statistics, Manage Services. It grants full access to all functions including being able to create, delete and/or edit services and staff.
- The staff menu has 4 options (from top to bottom on left hand menu): View Registrations, View Feedback Forms, View Appointment Requests, View Patient Files. The layout is very similar to the admin menu with a few restrictions. The staff are not able to use the other 3 admin functions (View Statistics, Manage Staff, and Manage Services).

#### MATERIALS AND METHODS

is technique depends on the tightening of sagging skin in the face, lifting of the cheeks, Jowls and nec

#### **Mobile Application**

- The mobile application was developed to be used by customers of the clinic. It needed to provide a userfriendly interface, while also being fully functional.
- The mobile application was designed to be used on the daily use devices of the clinic's customers. To accomplish this, the application needed to be available on all Android and iOS devices, including tablets.

#### **Computer Application**

- The computer application was developed to be used by the staff of the clinic. The application would be used to manipulate, view and analyze information that would be provided from/to the mobile application. Easier accessibility and minimization of errors was made a priority.
- The computer application was designed to require the minimum amount of setup. The development of the application using Java allows it to be run on most operating systems. The application does not need to be run from a specific device, allowing for portability.

#### Database Software and Tools Used

- Microsoft Azure
- Microsoft SQL Server Manager Studio

#### Application Software, Tools, and Languages Used

#### Mobile:

- C#
- Visual Studio
- Xamarin Forms
- XCode
- Android Asset Studio

#### Computer:

- Eclipse IDE
- Java Swing
- JavaFX
- Java

#### Method: Rapid Application Development (RAD) Model

- Rapid deployment of project in increments
- Client was actively included in development process
- Application was modularized
- Client was able to request design or function changes throughout the process
- Constant and consistent testing promoted higher quality results and dependability

#### CONCLUSIONS

- developed communication between Skin Essentials Medical Clinics and their clients
- A mobile application gives access of information to clinic customers that was not provided remotely before
- A PC application allows clinic administration to access information provided by the customers via their mobile applications, and allows clinic staff to view and manipulate available data

#### ACKNOWLEDGEMENT

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