

Brilliant Look

Advanced Programming Course
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Project Title:


Brilliant Look

Project Idea :

An application that cares about cosmetic health, through which the user can choose the type of his skin and get a special care schedule for his skin type and the products used for it. The user also enables the user to choose the right hair type and get the right products..

Our application also provides the most prominent natural mixtures with a description of how they work at home to help each of the users to facilitate the methods of care. Also, there is a “laser” service available, through which the user can specify the sessions required for him with the possibility of being reminded in case the task is not completed or in the event of completion, it also provides products Suitable for all users of hair or skin products.

Project Aims:

- It aims to take care of the person himself in terms of facilitating the methods of hair and skin care
 - Providing the necessary products to all users
 - List the best ways to take care of your skin by creating a routine schedule
- 

Project Functionalities :

- **Home page:**
The main page contains the name of the application and the logo, and the user can choose to login if he is already registered in the application, or choose to register if there is no previous account
- **Loge in :**
If an account already exists, it will be logged in and taken to the services selection page.
If you forget the password, you will choose "Forgot password" to change the password selection page
- **Forgot your password:**
On this page, the email will be checked or not, and then the old password will be placed, and then the password to be added again will be made, with verification of its validity.
- **Sing up**
In the event that the user does not have an account, he must enter some of his information in order to register (name - e-mail - password - reset password)
If he already has an account, he will choose "Already have an account. Sign in?"
- **services home page**
that follows the login has (services, clamps and products)
Choose from (services, masks and products):
 - **Products:**
The user will be able to choose one of the two options, either skin products or hair products
 - **Mask :**
Which will show the user different recipes in different ways to make them
 - **Services:**
Have three services :

I- Skin care:

Here you can choose his skin type, there are 4 skin types. He will be shown a face and who can identify the places where there is a lot of fat, and depending on his choice he will be taken to the appropriate skin page.

After knowing the user's skin type, he is transferred to the daily care page for each skin type, which contains the products specific to the skin type and the way to use it. Then the user is transferred to the care page, which contains not the products designated for a skin type. It is transferred to the box in case of using it.

2-Hair care :

Here the user can choose the type of hair according to his desire (There are two types of straight and curly hair, and each has a page with products for each hair type)

- Curly hair products

There are many hair care products for curly hair.

What is it made of + its benefits for hair

- Straight hair products

There are many hair care products for straight hair.

What is it made of + its benefits for hair

3-Leaser

Here the user can choose the number of sessions he wants to perform, a checkbox will appear for him according to his choice of the number of sessions

In the event that the session ends, a notification will appear to the user telling him that it has ended

- Products page

The products page provides the user with products to choose according to their desire, and we have two sections:
moisturizing products and hair products

- Hair products

This page contains many hair products in general and for all types

- Moisturizing products

This page contains a variety of moisturizing products for the skin in general and for all types

- masks page

On the masks page, the user can choose between choosing a mask for hair or for the skin, and on the basis of the selection, he will be transferred to the special page and display the desired mixtures.

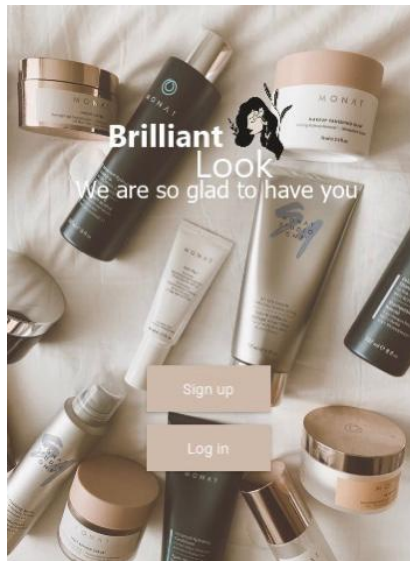
Project Design and Implementation :

A. Graphical User Interface

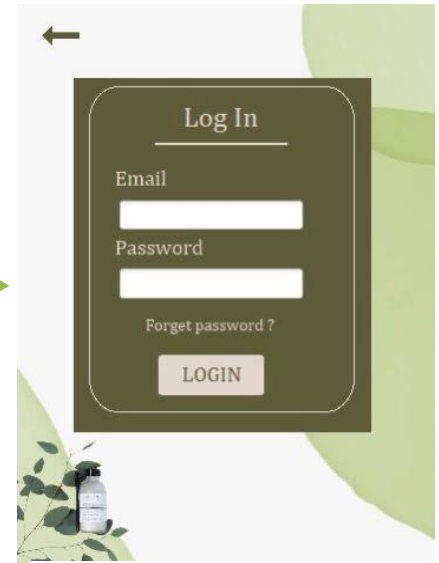
- How many interfaces? 27
- What have been designed ? interface for our Application



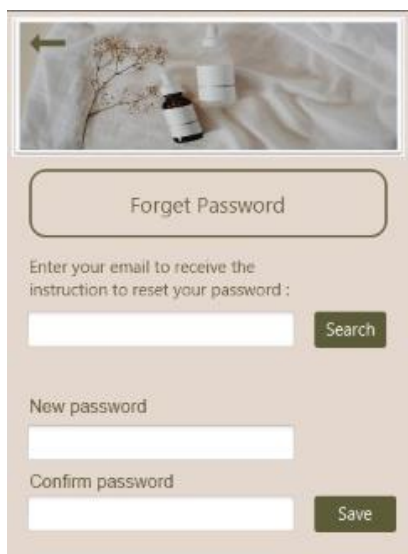
Start page with a teaser video



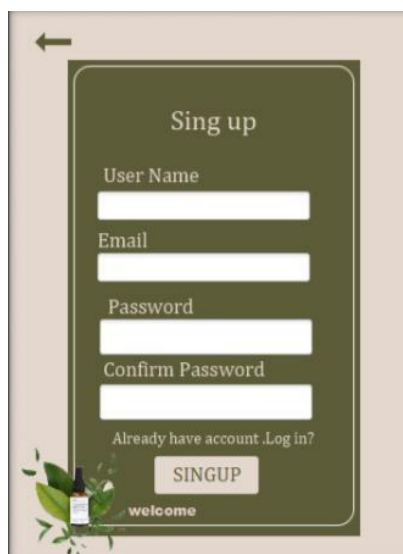
The main page, which enables users to create a new account or enter the application if there is an account



The log in page for the user also provides the ability to help in case of forgetting the password



On this page the user puts his email and then checks whether the email exists or not, after that the password is put and then the password is saved



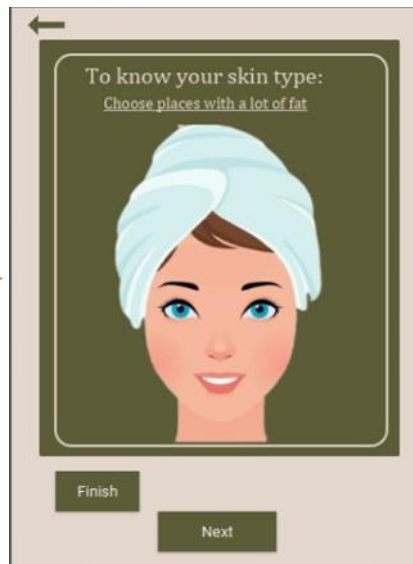
New user registration page by adding the full name with email and password with verification



The Services home page to be selected by the user



The services page that contains skin care, hair care and laser. The appropriate service is also selected according to the user's desire



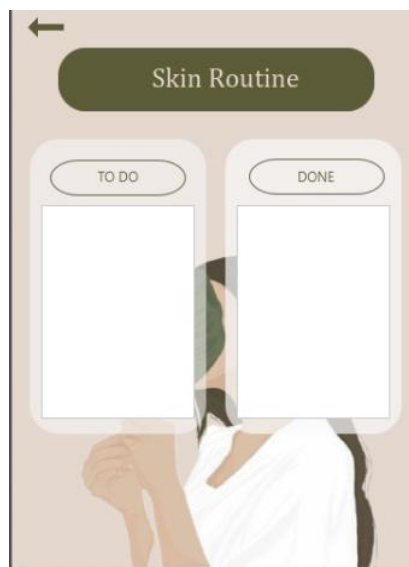
The Home Care page, through which different parts of the face are identified and through which the user will be shown his skin type.



On this page, if oily areas were not selected on the previous page, some characteristics will be selected in more detail in order to obtain his skin type



On this page, information about dry skin will also be presented and how to take care of it in the best way



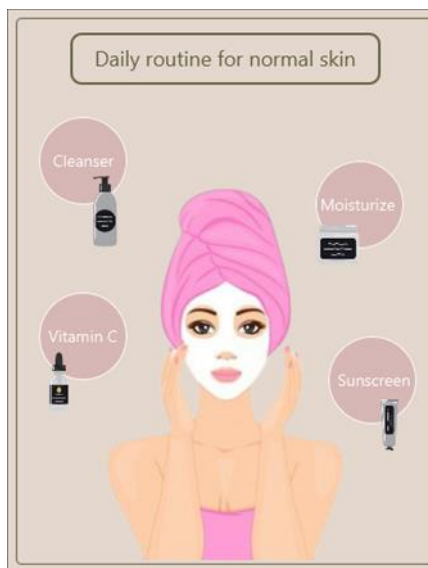
On this page, the daily care products for the type of dry skin will be displayed, and the method of using them was shown in the previous description, through which the user can put them in the done box if done.



On this page, information about combination skin will also be presented and how to take care of it in the best way



On this page, the daily care products for the type of combination skin will be displayed, the method of using them was shown in the previous description, and through which the user can put them in the done box if they are done



On this page, information about normal skin will also be presented and how to take care of it in the best way



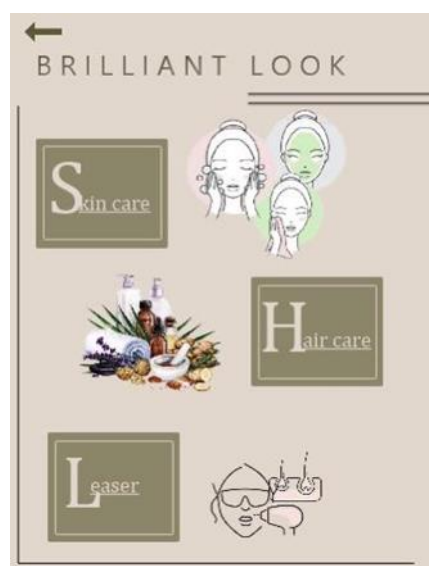
On this page, the daily care products for the type of normal skin will be displayed, and the method of using them was shown in the previous description, through which the user can put them in the done box if done.



On this page, information about oil skin will also be presented and how to take care of it in the best way



On this page, the daily care products for the type of oily skin will be displayed, and the method of using them was shown in the previous description, through which the user can put them in the done box if done.



Return to the Services page to choose another service



The second service provided is hair care, through which the user can determine his own hair type



This page is if you choose the type of curly hair, which will display the most important products for curly hair



This page is if you choose a type of straight hair, which will display the most important products for straight hair



Return to the Services page to choose another service



The number of laser sessions is displayed here, with the user notified of the completion of the session



Return to the services home page to choose another service



On this page, the user will be able to choose the products he wants



If you choose moisturizing products, the page for moisturizing products will be displayed



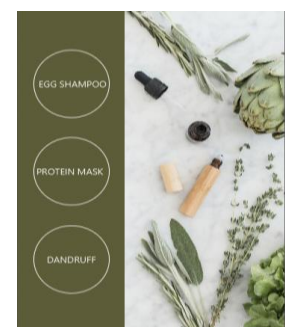
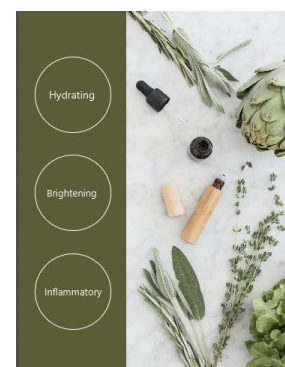
If you choose hair products, the page for hair products will be displayed



Return to the services home page to choose another service



The masks page, which contains two types of masks (for hair or skin) to be chosen by the user



The hair mask page, as well as the skin mask page of different types, with all the details and information to make it

Event-Driven Programming

How many events? 72

What types of events have been implemented in your Application?

- Mouse event (mouse click ,Pressed Mouse)
- Key event
- action event
- Property Biding

Mention and explain all the event sources in your application.

- Mouse event
- Show a message to the user when clicking on the product to clarify how to use the product (we use it in normal , oil , dry , combination pages)
- Action event
- It was used in the closing button of the message that was describing how to use the product for the user on the(normal , oil , dry , combination) pages
- Action event
- It has been used on all pages to return to the previous page
- Action event
- It was used on the daily routine page for each skin type so that the user can go to the routine's skin page(It was used on the pages of skin types)
- Action event
- Check the box to help the user know his skin type in the event that there are no oily places on his skin
- Action event
- Rose Next, through which you can go to the private skin page (we use it in face1 , face 2)
- Pressed Mouse
- When pressing on a specific part of the face (oily areas), the user's skin type will be determined (in page face 1)
- Pressed Mouse
- When you press O and Finish, the skin type will be determined by choosing a different number of parts of the face, through which the skin type will be known.(in page face 1)
- action event
- The switch button has been placed on the radio button in case the hair type is selected(page hair selection)

- action event
 - They are placed on the new registration button and sing up on the home page
 - action event
 - On the login page, you will be logged in to Services home page
 - Mouse event(mouse click)
 - It was placed on the text to forget password (log in page)
 - Mouse event (Pressed Mouse)
 - When you click on the name of the catcher, its components will appear (in mask hire , skin care)
 - action event
 - Button to close the components of the catcher for the user
 - action event
 - In the combo box to choose the right mask, whether for skin or hair
 - action event
 - It was used in a button. If the inputs match the available conditions, an account will be created for the user. In the event of the mismatch, a message will appear that there is a problem with the inputs
 - Mouse event(mouse click)
 - It was used in a text I have an account to go to the login page
 - action event
 - On the combo box, the user can choose between moisturizing products and hair products
 - Key event
 - On List View to help the user identify the tasks used in the daily routine (4 interface ,The pages of the routine for every skin)
 - action event
 - They are set to 3 buttons per serving(Services home page)
 - Mouse event(mouse click)
 - It was placed on a rectangle and every time it was clicked it would take it to a different page(Services page)
 - action event
 - On the first page that contains the video when you click on pour it goes to main page
 - action event
 - In the search button in the interface, forget the password
 - action event
- In the password in the save button

Java Database Programming

Write paragraph(s) that answers all of the following questions.

Explain the need of database in your application and how you utilized from each table you have created in your database.

- How many tables? 2
- What are the columns? 7
- s1=first session
- d1=date for first session
- s2=second session
- d2=date for second session
- s3=third session
- d3=date for third session
- s4=fourth session
- d4=date for fourth session
- user name
- email
- password
- confirm password
- skin
- hire
- laser .
- Explain how you connect your object model to your relational model?.
-
- Explain the relationship between your database and your GUI, i.e mention all the mappings between the columns and UI components.
-

Model-View Controller

Explain how you have implemented the MVC pattern?

- We used the model in the database.
- and presentation in interface design by Scene Builder.
- And controlling the linking of the interfaces to each other and writing all the events in them.

Did you use any tool to design your application using this pattern? Which tool?

- Yes, Scene builder

Extra

Write paragraph(s) that answer all of the following questions.

If you did any extra work, explain what is it? Why you did it?

How it is related to your application?

- A video has been placed on the first page
 - The reference:
<https://youtu.be/K7eDg3TO00>
- File to save user information
- How to add a video
 - <https://youtu.be/4UpFsq6AvEA>
- Transfers code
 - <https://youtu.be/cqskg3DYH8g>
- In log in
 - <https://youtu.be/ipz3Ezdeu3M>

5- The distribution of the work

In this section, mention the distribution of the work between the team. Be honest and feel free to show your tasks individually. Each member (if you want) can calculate the spent time in this project (days, hours or even minutes).

Member	Task(s)	Time Spent (optional)
1- Dalal saeed	all	-
2- Sondos AL-Shafi	all	-
3-Noura AL-shreef	all	-
4- Raghad AL-juhani	all	-
5- Fatimah mashhor	all	-

6- What we learnt

What you have learned from the project?

- We learned how to create an application, we learned some information that we will use in the future to create our own programs, We also obtained a large amount of different valuable information through self-learning during the implementation of the project tasks

What is the advantages you gained from designing this project?

- We learned skills from each other and understood the meaning of teamwork

Did you feel the teamwork was very useful in programming project?

- Yes, because of the distribution of tasks and assistance between each other

Are you satisfied with your application?

- Yes, fully satisfied
-

Did you feel you will be able to work in a large scale project later?

- Yes, and because of this project, we are excited about future projects, God willing

difficulties

- We had a problem when team members gathered in the 14th week due to online meetings
- Some problems in the application of some events
- We also encountered some problems with the databases

8- Project Declaration

✓ We confirm that the work of this project was solely undertaken by ourselves and that no help was provided from other sources as those allowed. As well as we confirm that we are completely aware of the violation consequences of the academic integrity.

Read and check the previous declaration.

List all your IDs