



**IT2010 – Mobile Application Development**  
**BSc (Hons) in Information Technology**  
**2<sup>nd</sup> Year**  
**Faculty of Computing**  
**SLIIT**  
**2023 – Assessment 01**  
**Phase 1 Report**

Description	Student ID	Name
Member 1	IT21297854	Saraf MMMS
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Application Topic	MediZone (Healthcare mobile application)
Group Name	Team Innovate

## Project Declaration

We, the members of <<Group Name>>, hereby declare that our group project is entirely authentic and original. We have conducted thorough research and analysis to ensure that our work is not plagiarized or copied from any other sources.

We have followed all guidelines provided by our LIC and have complied with all ethical and academic standards.

We take full responsibility for the authenticity of our work and understand the implications of academic dishonesty. We have worked collaboratively to produce this project, and each member has contributed to the best of their abilities.

We hereby affirm that our project represents our honest effort and commitment to academic integrity, and we take pride in presenting it as our own.



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Group Leader (Signature)  
<<Group Leader Name>>

## **Description about the overall project**

"MediZone" is the name of the healthcare software created to help people receive medical care while the country of Sri Lanka was going through an economic crisis. The primary goal of the app is to give consumers a simple way to arrange appointments with just one click from the convenience of their homes or any other desired place.

Users can "Find Doctor," "Find Medication," "Make Appointments," and "Health Tips and Tricks" using MediZone's four primary capabilities. Users of the "Find Doctor" feature can look for doctors by their availability, location, and speciality. Together with their ratings and contact details, the app lists all of the doctors who meet the user's criteria.

The "Find Medication" feature directs users to nearby pharmacies and lists the medications that are available. Users can schedule doctor visits using the "Make Appointments" tool without physically visiting the clinic or hospital. Last but not least, the "Health Tips & Techniques" section offers consumers helpful knowledge about health and wellness.

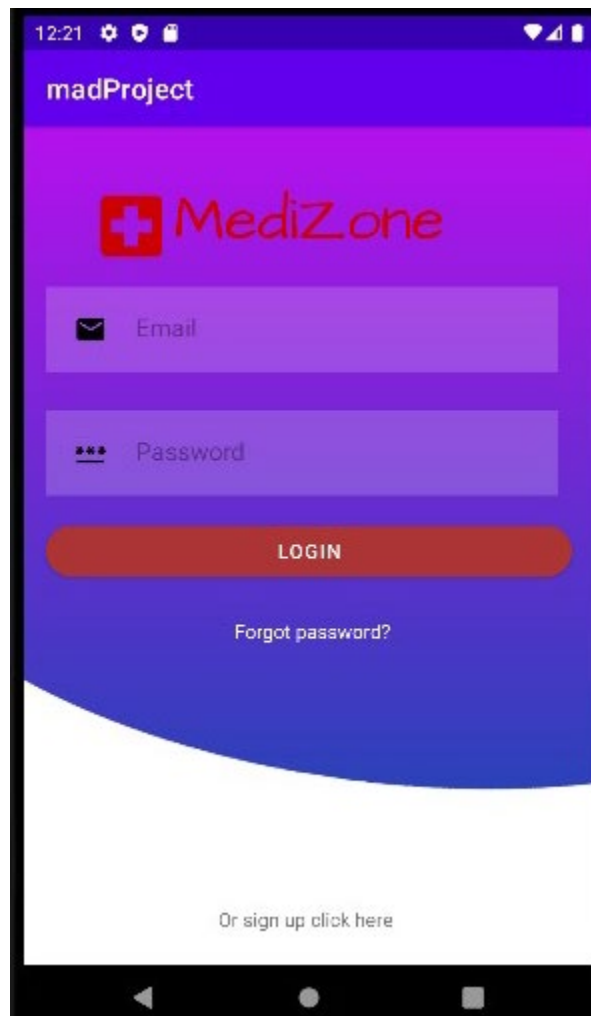
MediZone's simple layout and core features make it a practical and dependable way for individuals to get in touch with doctors, find medications, schedule visits, and obtain important health information. The app's purpose is to make it easier for individuals to receive medical care in Sri Lanka during the current economic crisis.

## IT21297854 - Login,Signup,Forgot Password

A login function in this MediZone app allows users to find doctors information securely. Users would typically enter their registered email address and password to log in to the app. The signup function allows new users to create a new account by providing their personal and medical information. Once they have provided their details, the app may ask them to verify their email address before they can use the app. If a user forgets their password, they can use the forgot password function to reset their password. They would typically be asked to enter their registered email address and follow the instructions provided in the email they receive to reset their password.

**Screenshots of the all-user interfaces.**

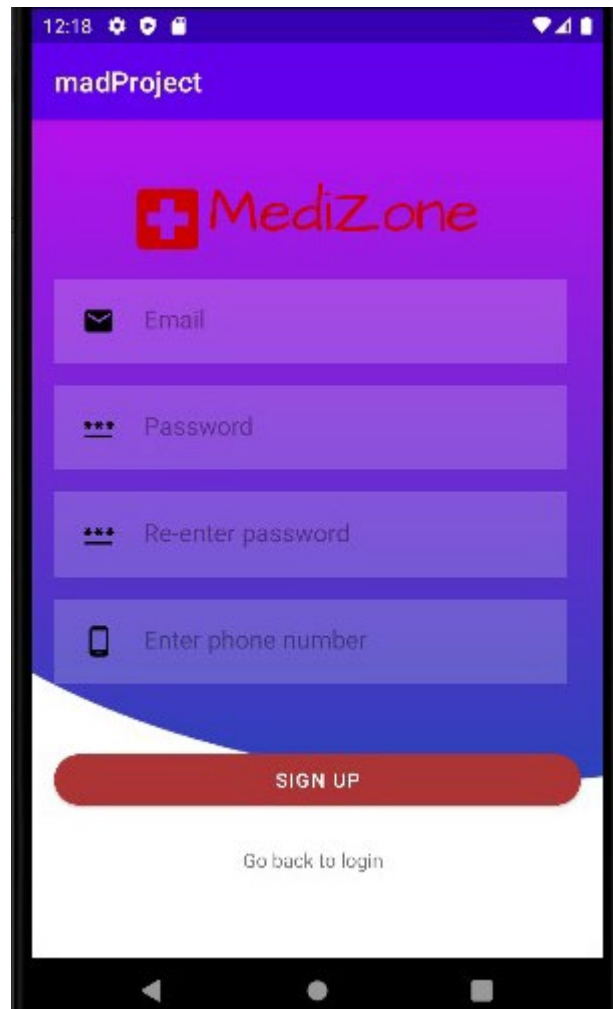
### IT21297854 - Login UI



*This UI allows user to enter the system by login with valid email and password.*

*Here [forgot password?](#) redirect to a forgot password UI and [or sign up click here](#) redirect to SignUp UI*

## IT21297854 - SignUp UI

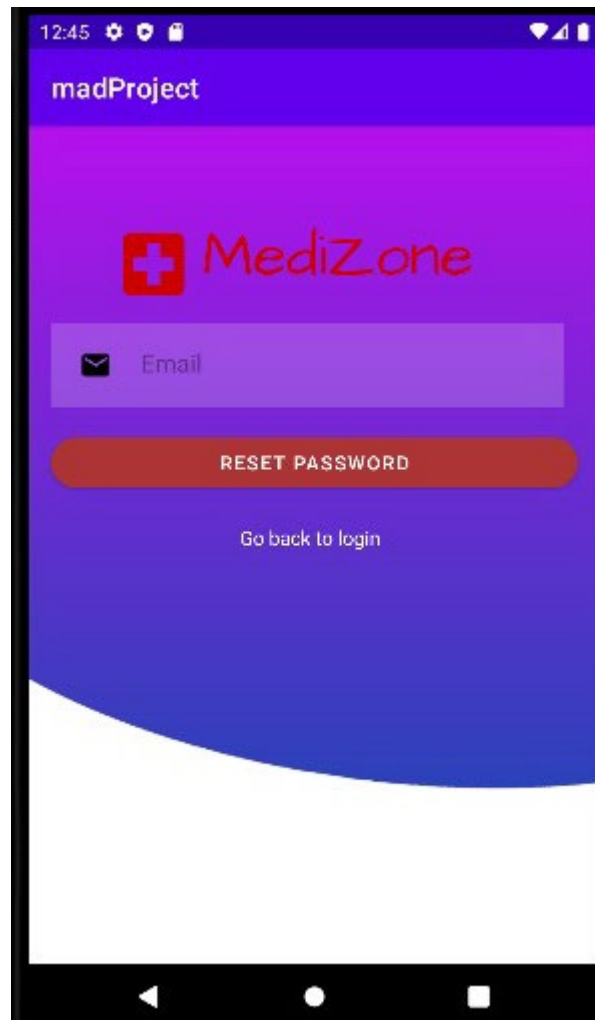


The image shows a mobile application interface for a sign-up process. At the top, the status bar shows the time 12:18 and various icons. Below the status bar, the app name 'madProject' is displayed. The main header features a red cross icon followed by the text 'MediZone'. The sign-up form consists of four input fields: 'Email' (with an envelope icon), 'Password' (with three dots icon), 'Re-enter password' (with three dots icon), and 'Enter phone number' (with a phone icon). A red 'SIGN UP' button is positioned below the input fields. At the bottom of the form, there is a link that says 'Go back to login'.

*This UI allows user to enter the system by Creating a new account*

*Here [forgot password?](#) redirect to a forgot password UI and [go back to login](#) redirect to Login UI*

## IT21297854 - Forgot Password UI



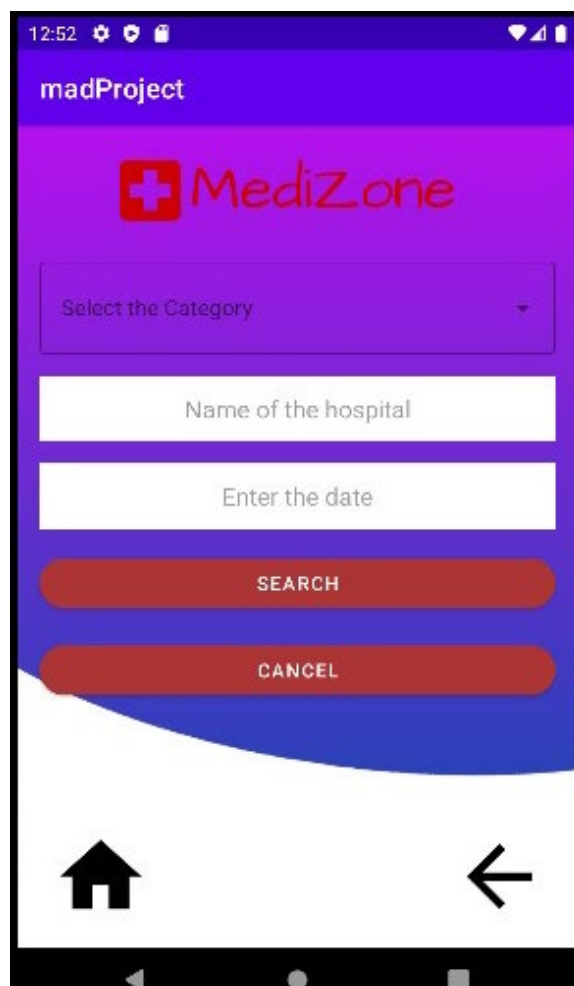
*This UI allows user to reset their password when if they forget*

*Here [go back to login](#) redirect to Login UI*

## IT21297854 - Find Doctor

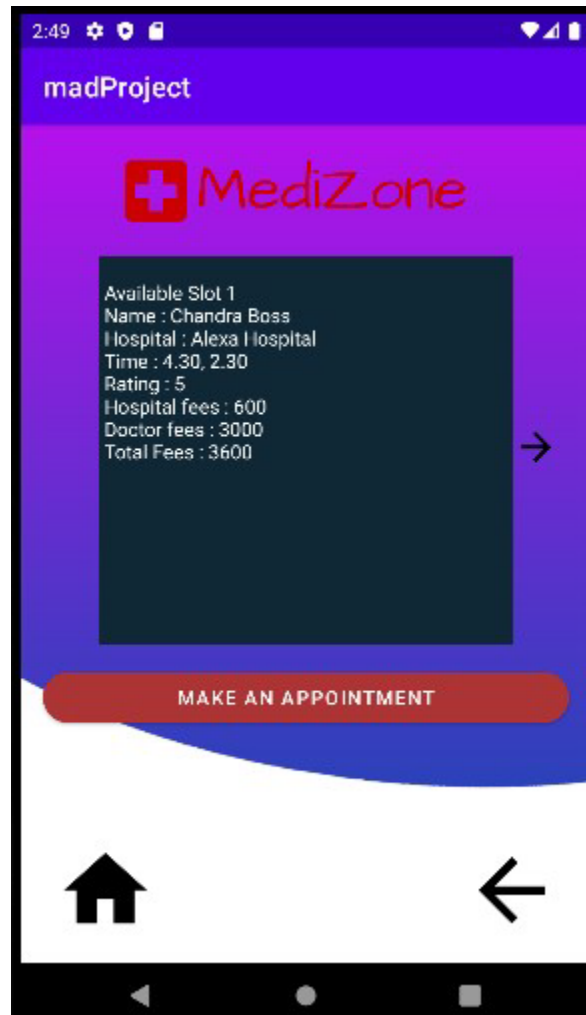
The find doctor function helps users to search for healthcare providers near their location. Users can search by hospital, specialty, and other criteria to find a doctor who meets their needs. Once they have found a doctor, they can view the available slots with their hospital fees , doctor fees and total fees (Summation of Doctor and Hospital fees). You can redirect to make an appointment directly from the app by clicking the make an appointment button. Overall, these functions help users to manage their healthcare easily and conveniently from their mobile devices. Here, only the Admin is given the access to edit and add details of the doctors.

### IT21297854 - Find Doctor User Interface



*Here you can search the doctors with their category , name of the hospital and the date when you need. if there are any doctors available on the exact date you provided, It will redirect to the **Available Doctor** Page. Here go home and go back buttons are also provided*

## IT21297854 - Available Doctor User Interface



Here you can view the doctor's available slot by the provided details. By clicking the next button you can go to the next doctor's details and you can also click the **Make an appointment** button redirect into the Make appointment function. go home and go back buttons are also provided. (This Available Slot part wants to retrieve from database after the insertions of doctor by admin)



## IT21297854 - Admin Home User Interface



Here you can view the Admin home panel. this part can only be accessed by admin. Admin can create, update and delete doctors. **Add a new doctor button** redirect to the Adding new doctor page and **update and delete doctor button** redirects to that relevant page.

## IT21297854 - Add new Doctor User Interface

The screenshot shows a mobile application interface for 'madProject'. At the top, there's a status bar with the time 6:33 and various icons. Below it, the app name 'madProject' is displayed. The main header features the 'MediZone' logo, which consists of a red cross icon followed by the text 'MediZone' in a red, stylized font. Below the header, there's a form with several input fields: a dropdown menu labeled 'Select the Category', a text field for 'Doctor name', a text field for 'Enter the date', a text field for 'Time', and a text field for 'Name of the hospital'. At the bottom of the form is a prominent red button with the text 'ADD NEW DOCTOR' in white. The bottom of the screen features a navigation bar with a home icon (a house) on the left and a back arrow icon on the right.

Here you can view the Admin adding a new doctor panel. this part can only be accessed by admin. **Add new doctor button** will add a new doctor in the database.

## IT21297854 - Update or delete Doctor User Interface

Exactly the same as the **Add new doctor UI** and it can retrieve the details from the database and we can edit or delete the doctor from the database. And it contains a edit and a delete button for the editing and deleting part

## Screenshots of the usages of resources (String, colors, dimensions, ...)

### IT21297854 - colors.xml

```
colors.xml x strings.xml x dimens.xml x font_certs.xml x preload
1  <?xml version="1.0" encoding="utf-8"?>
2  <resources>
3      <color name="purple_200">#FFBB86FC</color>
4      <color name="purple_500">#FF6200EE</color>
5      <color name="purple_700">#FF3700B3</color>
6      <color name="teal_200">#FF03DAC5</color>
7      <color name="teal_700">#FF018786</color>
8      <color name="black">#FF000000</color>
9      <color name="white">#FFFFFFFF</color>
10     <color name="navy">#102835</color>
11     <color name="red_button">#AC3434</color>
12     <color name="rediish">#FF1100</color>
13 </resources>
```

### IT21297854 - dimens.xml

```
dimens.xml x colors.xml x strings.xml x font_certs.xml x preload
1  <?xml version="1.0" encoding="utf-8"?>
2  <resources>
3      <dimen name="drawablePadding">20dp</dimen>
4      <dimen name="normal_val">28dp</dimen>
5      <dimen name="headPage">34dp</dimen>
6      <dimen name="headName">44dp</dimen>
7      <dimen name="width">360dp</dimen>
8      <dimen name="height">48dp</dimen>
9  </resources>
```

## IT21297854 - strings.xml

```
dimens.xml × colors.xml × strings.xml × font_certs.xml × preloaded_fonts.xml × adminHome2.kt × activity_main.xml ×
Edit translations for all locales in the translations editor. Open

1 <resources>
2   <string name="app_name">madProject</string>
3   <string name="findDocTxt1">Find Doctor</string>
4   <string name="headName">MediZone</string>
5   <string name="DocName">Doctor name</string>
6   <string name="Hospital">Hospital :</string>
7   <string name="HosName">Name of the hospital</string>
8   <string name="date">Enter the date</string>
9   <string name="PhoneNum">Enter phone number</string>
10  <string name="category">Select the Category</string>
11  <string name="email">Email</string>
12  <string name="password">Password</string>
13  <string name="rePassword">Re-enter password</string>
14  <string name="avaSlots">Available slots</string>
15  <string name="avaTime">Time</string>
16  <string name="doctorFees">Doctor Fees :</string>
17  <string name="hosCharge">Hospital Charge :</string>
18  <string name="Total">Total :</string>
19  <string name="appointment">Make An Appointment :</string>
20  <string name="login">Login</string>
21  <string name="forgetPass">Forgot password?</string>
22  <string name="vision">Effortlessly find and book appointments with the right doctors for your needs.</string>
23  <string name="signupClick">Or sign up click here</string>
24
resources
```

```
dimens.xml × colors.xml × strings.xml × font_certs.xml × preloaded_fonts.xml × adminHome2.kt × activity_main.xml ×
Edit translations for all locales in the translations editor.

24   <string name="signUp">Sign Up</string>
25   <string name="LoginButton">Go back to login</string>
26   <string name="resetpass">Reset Password</string>
27   <string name="available_slot_1">\n        Available Slot 1\n
28                                   Name : Chandra Boss\n
29                                   Hospital : Alexa Hospital\n
30                                   Time : 4.30, 2.30\n
31                                   Rating : 5\n
32                                   Hospital fees : 600\n
33                                   Doctor fees : 3000\n
34                                   Total Fees : 3600</string>
35   <string name="appointmentmake">Make An Appointment</string>
36   <string-array name="category">
37       <item>Cardiologist</item>
38       <item>Dermatologist</item>
39       <item>Endocrinologist</item>
40       <item>Gynecologist</item>
41       <item>Neurologist</item>
42       <item>Oncologist</item>
43       <item>Orthopedist</item>
44       <item>Pediatrician</item>
45   </string-array>
46 </resources>
resources > string
```

## IT21297854 - font\_certs.xml

```
dimens.xml x colors.xml x strings.xml x font_certs.xml x preloaded_fonts.xml x adminHome2.kt x activity_main.xml x
1  <?xml version="1.0" encoding="utf-8"?>
2  <resources>
3      <array name="com_google_android_gms_fonts_certs">
4          <item>@array/com_google_android_gms_fonts_certs_dev</item>
5          <item>@array/com_google_android_gms_fonts_certs_prod</item>
6      </array>
7      <string-array name="com_google_android_gms_fonts_certs_dev">
8          <item>
9              MIIIEqDCCA5CgAwIBAgIJANWFuGx90071MA0GCSqGSIb3DQEBAUAMIGUMQswCQYDVQQGEwJVUzETMBEGA1UECBMKQ2
10             </item>
11         </string-array>
12         <string-array name="com_google_android_gms_fonts_certs_prod">
13             <item>
14                 MIIIEQzCCAyugAwIBAgIJAMLgh0ZkSjCNMA0GCSqGSIb3DQEBAUAMHQxCzAJBgNVBAYTA1VTMRMwEQYDVQQIEwpDYW
15                 </item>
16             </string-array>
17         </resources>
18
```

## IT21297854 - preloaded\_fonts.xml

```
preloaded_fonts.xml x dimens.xml x colors.xml x strings.xml x font
1  <?xml version="1.0" encoding="utf-8"?>
2  <resources>
3      <array name="preloaded_fonts" translatable="false">
4          <item>@font/akaya_telivigala</item>
5          <item>@font/allerta</item>
6          <item>@font/architects_daughter</item>
7          <item>@font/autour_one</item>
8      </array>
9  </resources>
10
```



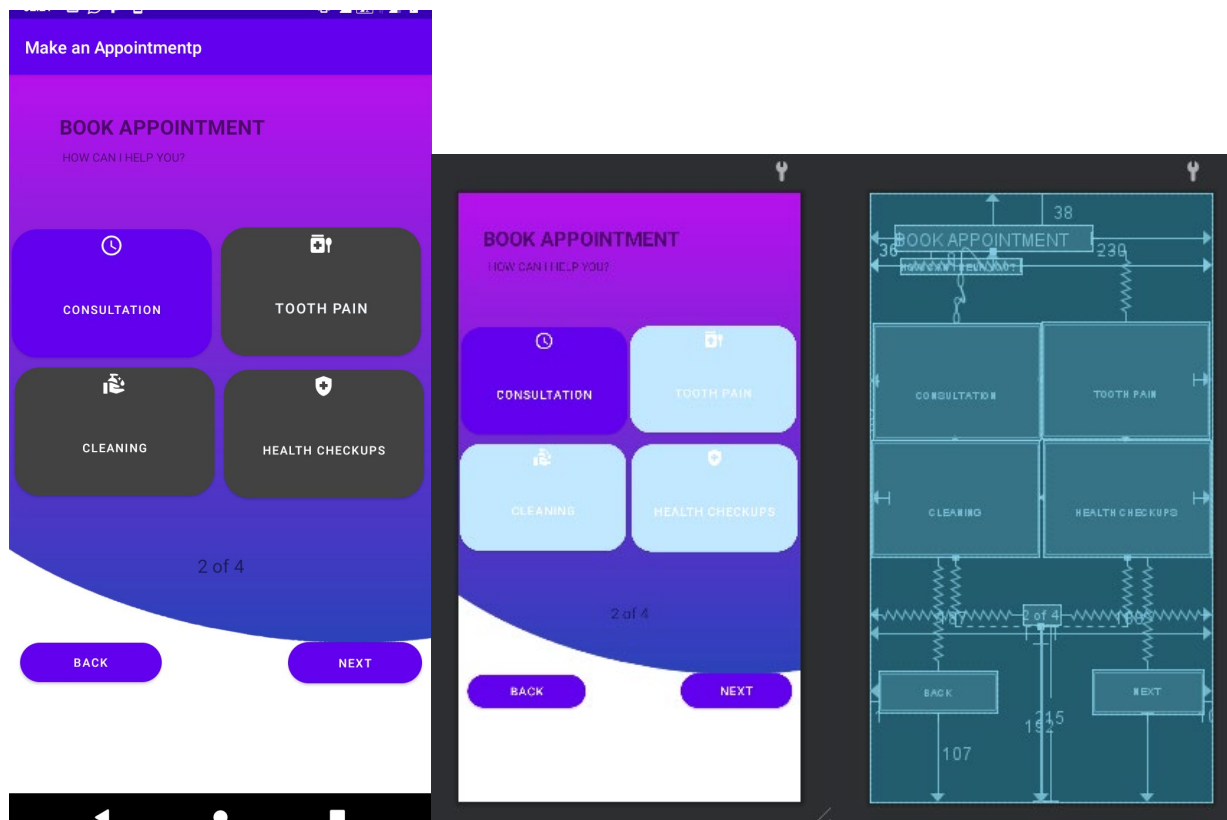
## IT21174544 - Make Appointment

The MediZone healthcare app's "Make Appointments" feature makes it simple for users to schedule appointments with doctors. The purpose of this function is to make it possible for users to perform CRUD (Create, Read, Update, and Delete) operations on the information about their appointments, such as the appointment's time and date, the name of the treating physician, and the hospital.

Users can only make appointments for open time slots once they have discovered the doctor they want to visit, hence the "Make Appointments" and "Find Doctor" functions are closely related. By making it simple for consumers to schedule appointments with their favorite providers, this integration minimizes the time and effort needed to receive medical services.

**Screenshots of the all-user interfaces.**

**IT21174544 - Book Appointment User Interface** - The purpose of creating this UI is to direct users to select the appropriate type of appointment(Consultation/ Tooth related detail/ cleaning / Health checkups).



**IT21174544 - Select date and time User Interface** - Once the user selects the appropriate type of appointment, the user is now directed to this User Interface letting the user select the preferred time slot that is available.

The time slot is dynamically changing and is calculated and displayed.

### Select Date And Time

Select time slot to visit

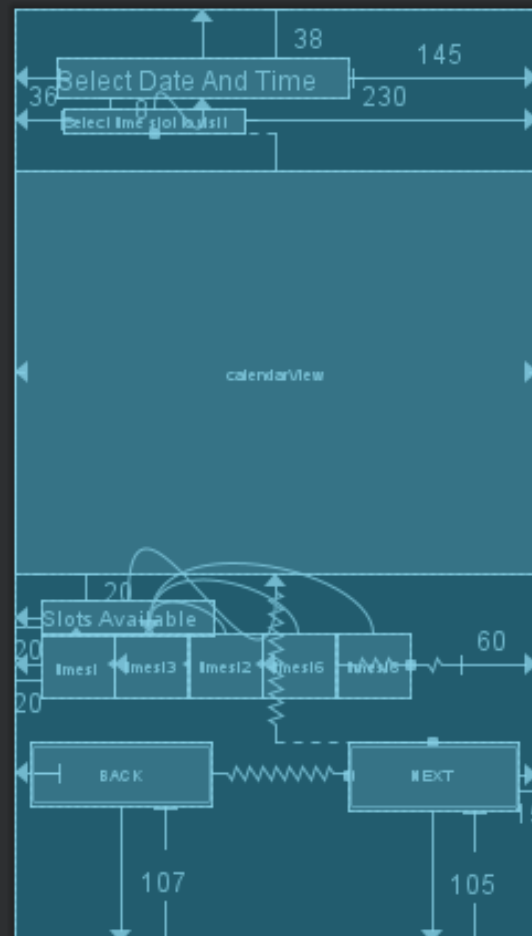
<
January 1970
>

S	M	T	W	T	F	S
				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

**Slots Available**

11:00 15:15 15:58 16:15 16:50

BACK
NEXT



21:35



## Make an Appointment

### Select Date And Time

Select time slot to visit

March 2023						
<						>
S	M	T	W	T	F	S
			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	

### Slots Available

11:00   15:15   15:58   16:15   16:50

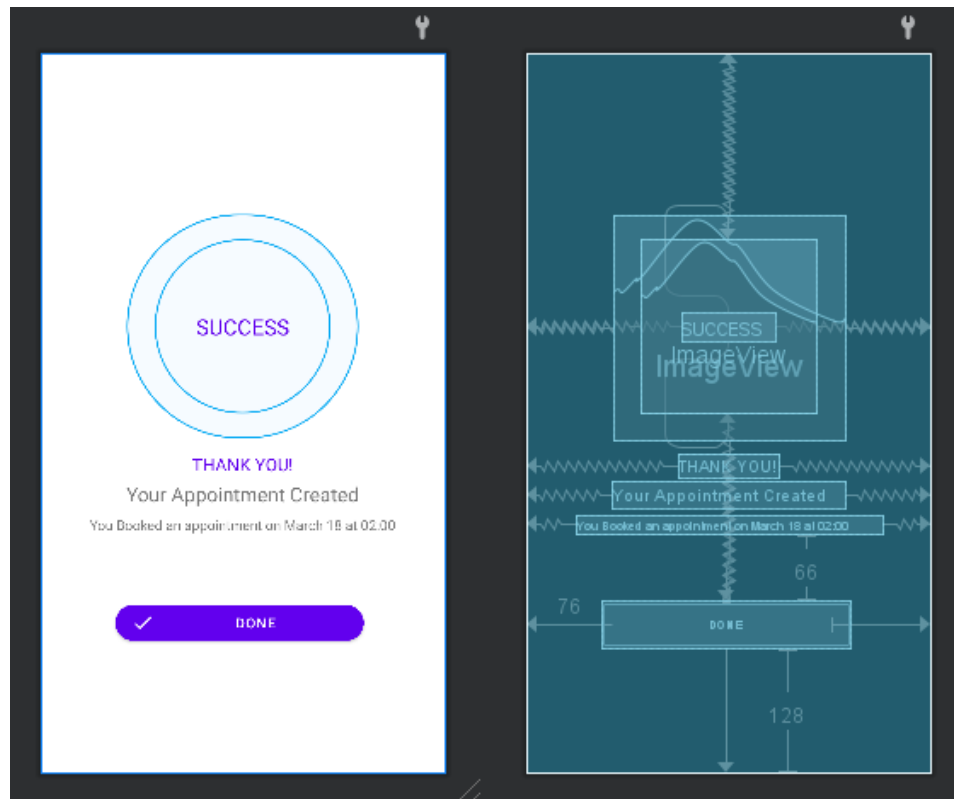
BACK

NEXT

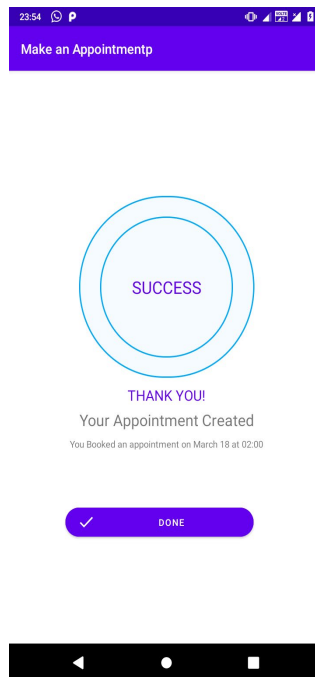




## IT21174544 - Response User Interface.

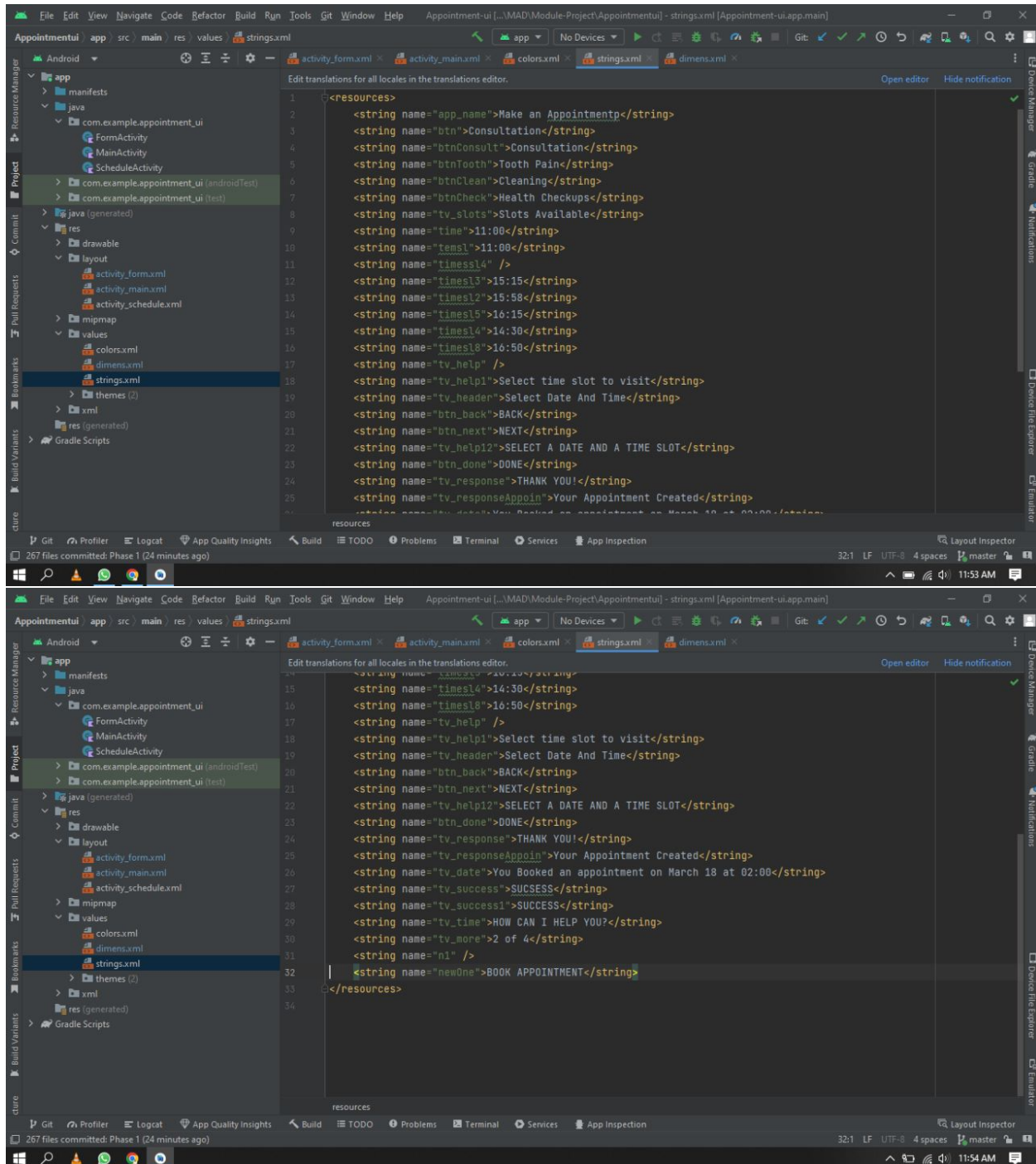


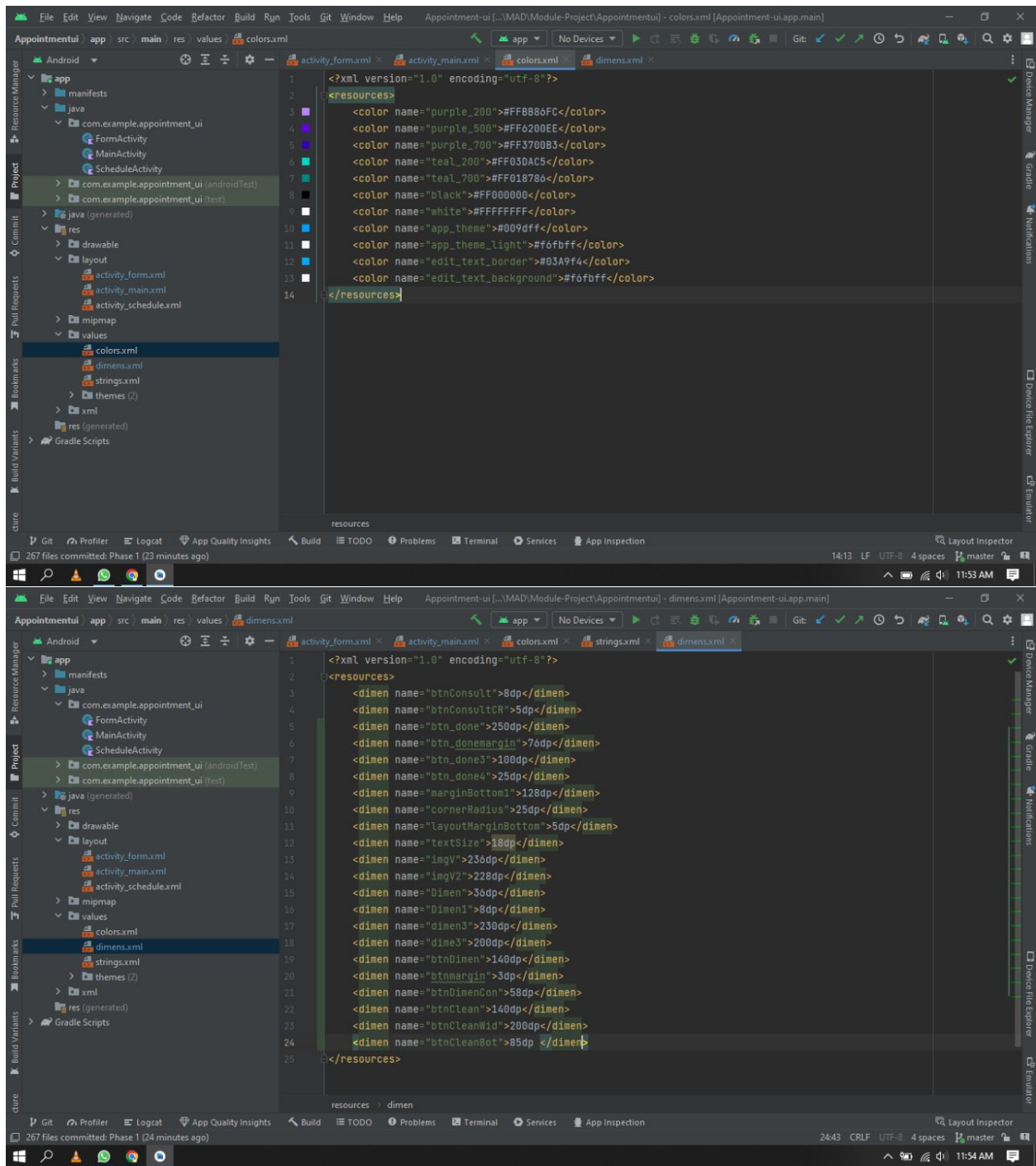
This is the User interface that a user is directed to once the user successfully makes an appointment.



## Screenshots of the usages of resources (String, colors, dimensions, ...)

IT21174544 - Colors.xml, Strings.xml and dimes.xml file's screenshot is attached below.



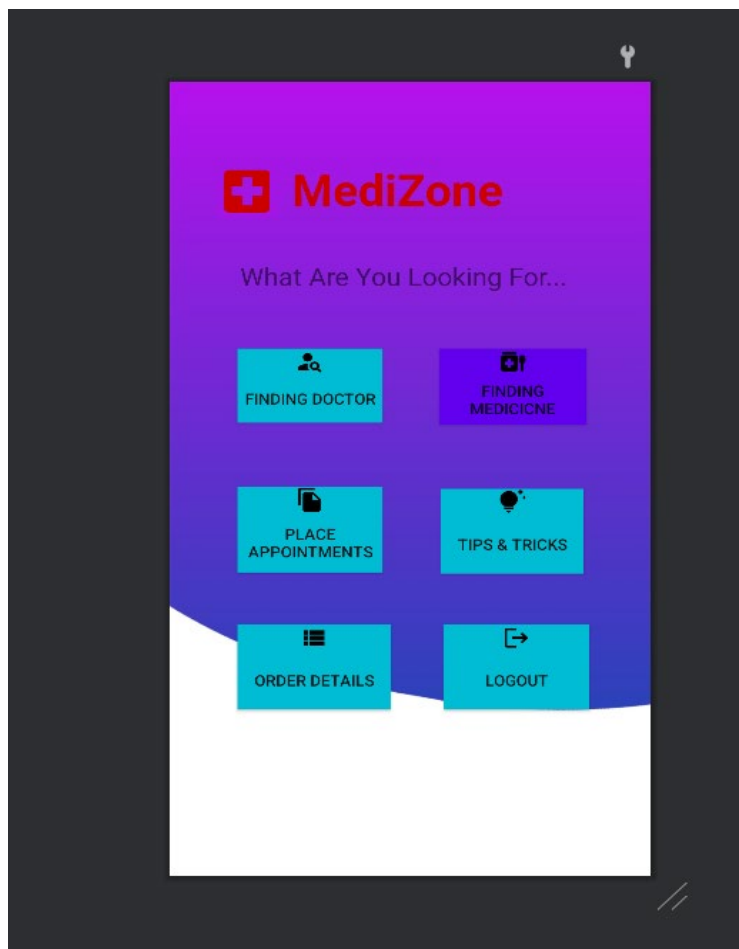


## IT21263026 - HomePage

The primary landing page for the Medizone app is where users may access all of the app's features. Features like Find Doctor, Find Medicines, Make Appointments, Health Tips and Tricks, Order Details, and Logout Functions are frequently included. The Find Doctor service enables users to search for medical providers, read their profiles, and make appointments. Users of the Locate Medicine feature get access to a database of medicines and information about where they may buy them at local pharmacies and hospitals. Users may make appointments with doctors or other healthcare professionals using the Make Appointments tool. The Health Tips and Tricks section provides users with information on healthy habits and lifestyle choices. The Order Details feature reveals users' recent and ongoing orders for prescription drugs, appointments, and other health-related services. Lastly, by enabling users to log out of the app, the Logout Function protects the protection of user data. The home page's overall design is to offer consumers a simple and practical way to efficiently handle their healthcare requirements.

**Screenshots of the all-user interfaces.**

### IT21263026 - HomePage User Interface.

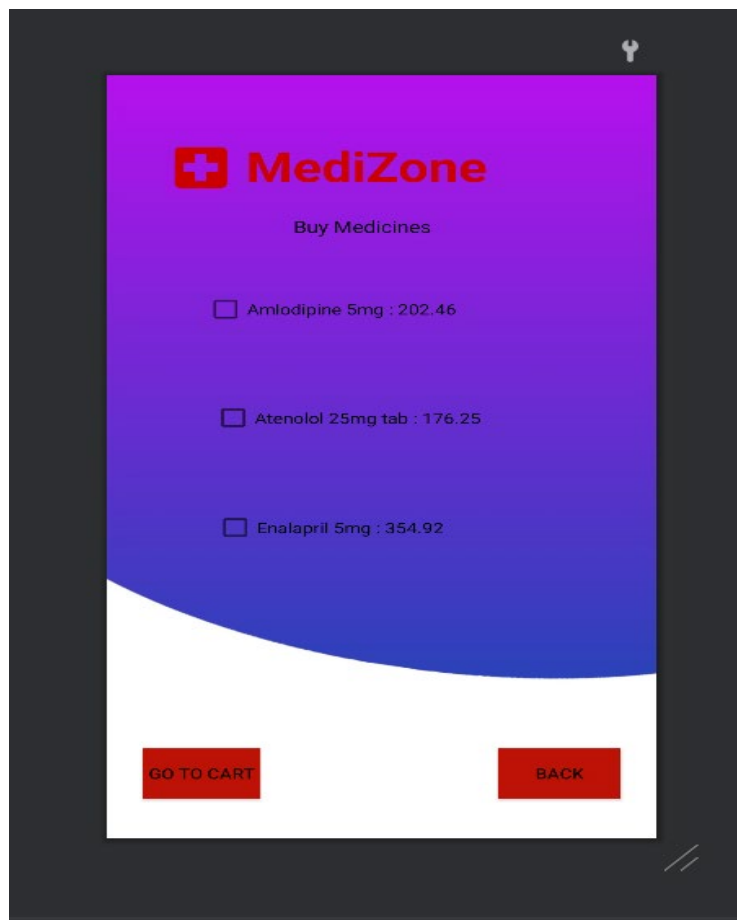


## IT21263026 - Find Medicine

Users of the Medizone health app could utilize the "Find Medicines" feature to look for particular drugs they require to treat their medical issues. The feature would provide consumers access to a database of drugs along with information on how they should be used, how much, and any potential negative effects. By name, generic name, or indication, users can search for medicines. The feature would also enable users to verify whether the medicine was accessible at surrounding pharmacies and hospitals. The app could also provide substitute medicines or generic choices that might be more accessible or affordable. Those with chronic illnesses who frequently need prescription refills or those who want urgent medicine but may not know where to locate it would benefit most from this feature.

### Screenshots of the all-user interfaces

#### IT21263026 - Find Medicine User Interface

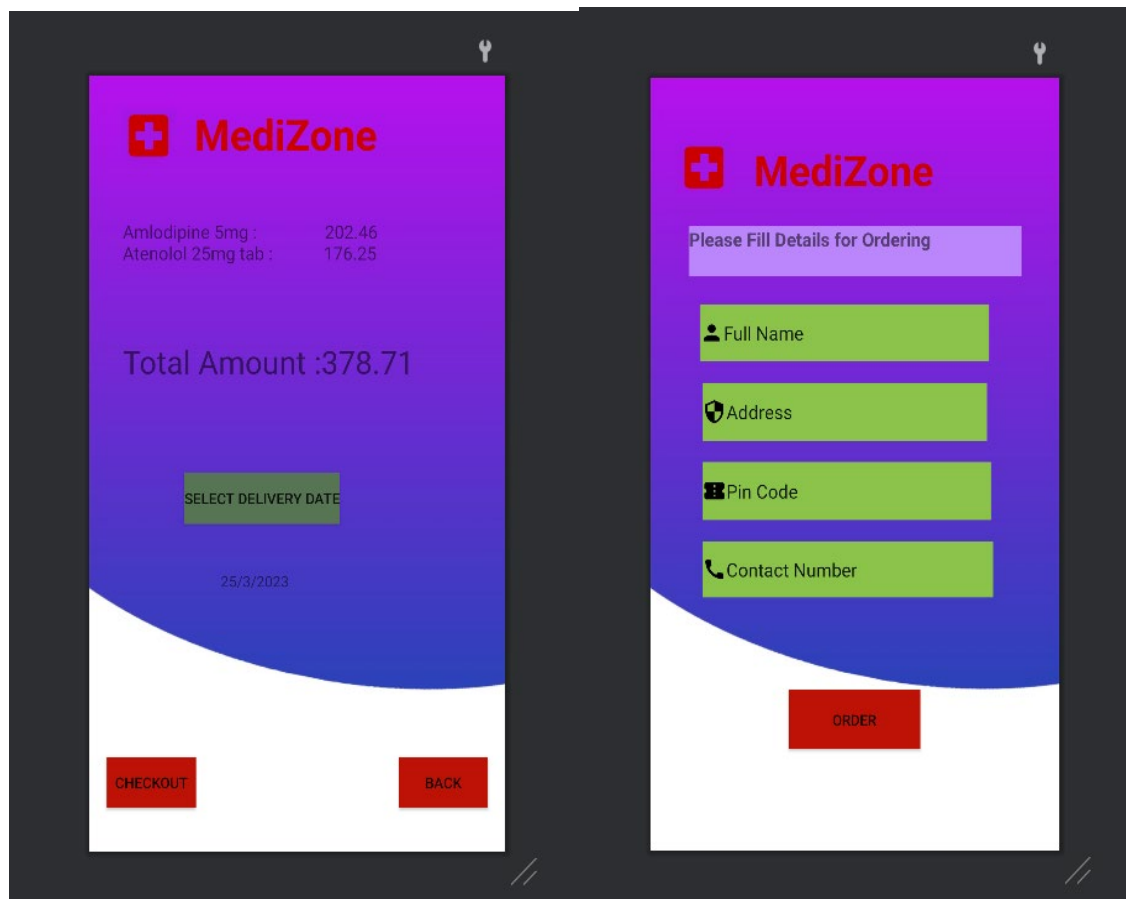


## IT21263026 - Checkout Page

The final phase of the procedure allows customers to verify and confirm their order before moving on to payment on the checkout page of the Find Medicine section of the Medizone health care app. Typically, the page would provide a list of the drugs the user has chosen, together with their amounts, costs, and any necessary taxes or fees. The ability for users to add or delete medicines from their purchase would also be available.

### Screenshots of the all-user interfaces

#### IT21263026 - Checkout Page User Interface.

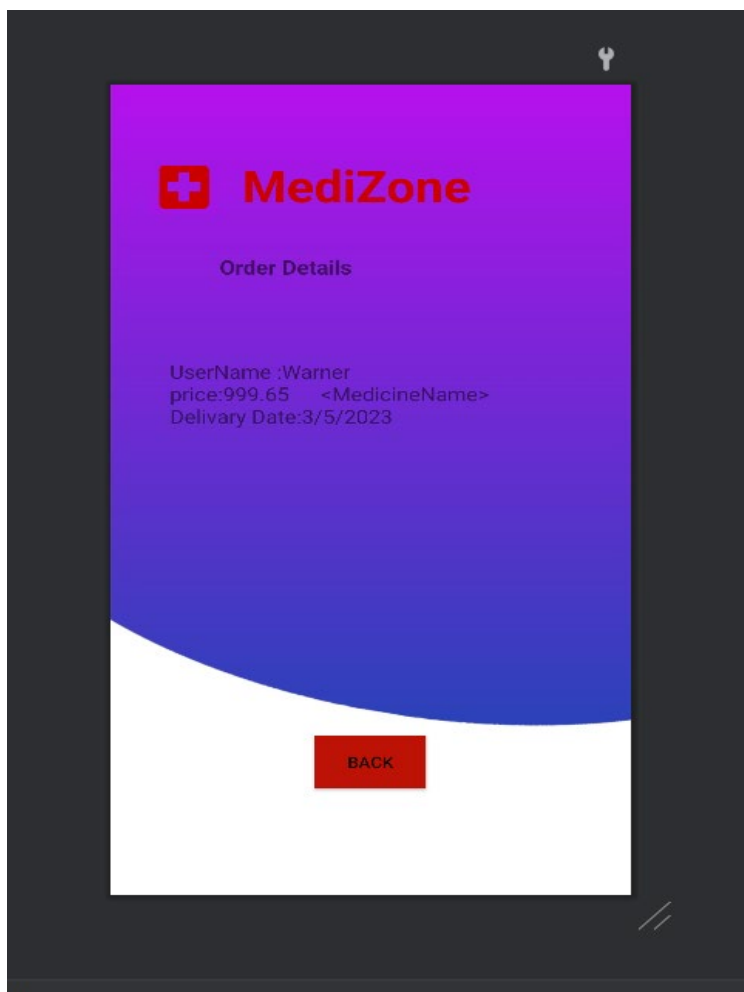


## IT21263026 - Order DetailsPage

Users' previous and present orders for medicines are shown on the Order Details page of the Locate Medicine part of the Medizone app. Typically, a list of orders would be displayed on this page, together with the date of purchase, the medicines bought, how much of each was ordered, and the total cost.

### Screenshots of the all-user interfaces

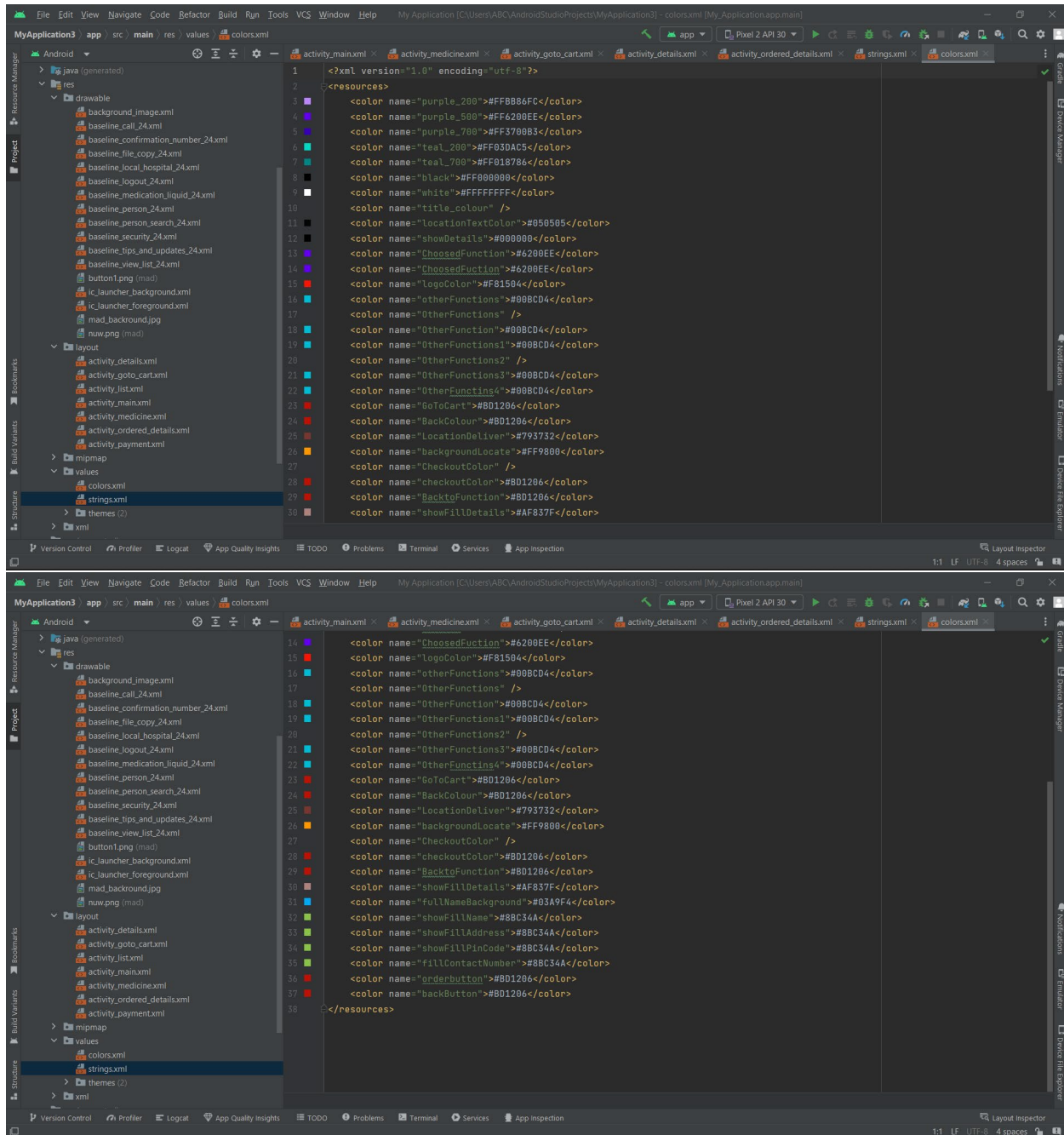
#### IT21263026 - Order DetailsPage User Interface.



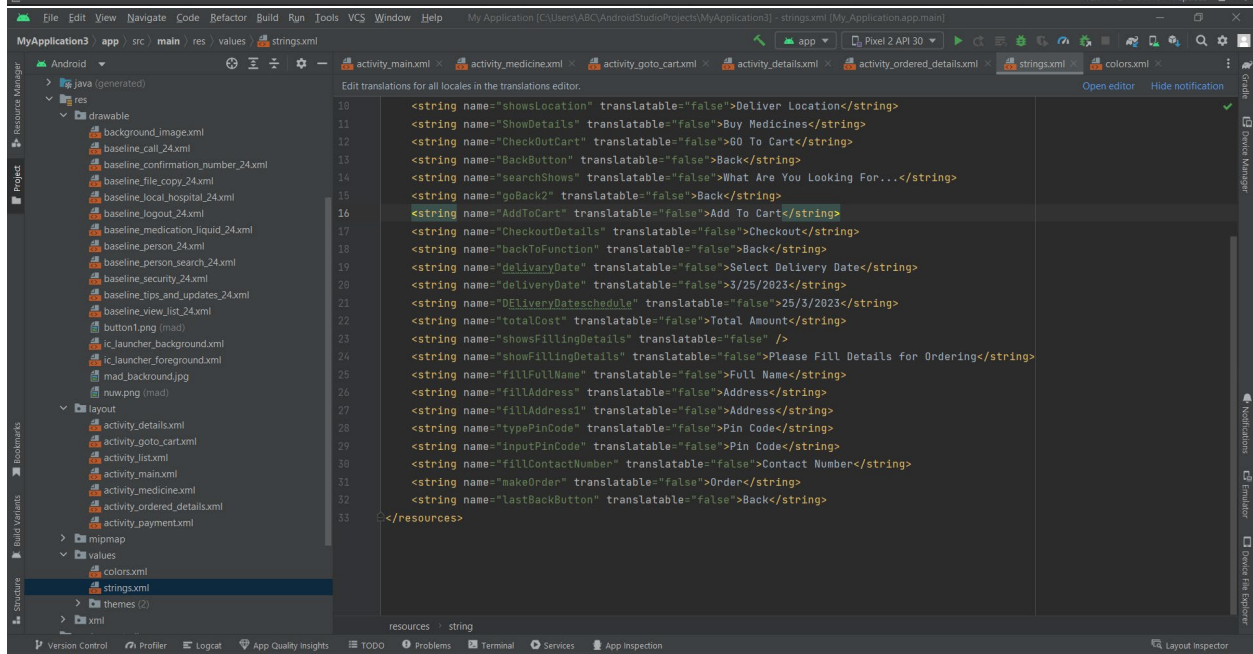
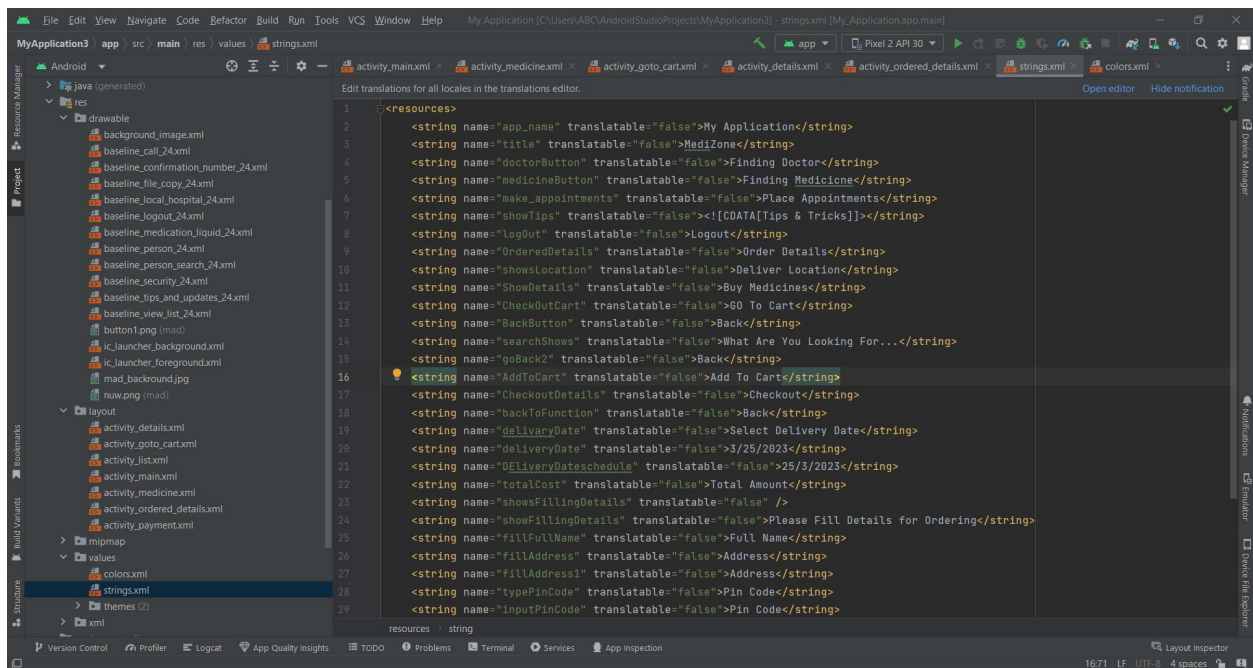


## Screenshots of the usages of resources (String, colors, dimensions, ...)

IT21263026 - Colors.xml and Strings.xml file's screenshot is attached below.







## IT20657314 - Health tips and tricks

The "health tips and tricks" function in a health care Android application is likely designed to provide users with useful information and advice related to their health and well-being. This function could be a key feature of the application, allowing users to access tips and suggestions on a variety of health-related topics in various ways(video,image or text).

The function might work by displaying a list of different tips and tricks organized by category. For example, it might include categories such as:

- 1.Diet and nutrition: This category might include tips for healthy eating, such as advice on how to incorporate more fruits and vegetables into your diet or ways to reduce your intake of processed foods.
- 2.Fitness and exercise: This category could include tips for staying active and maintaining a regular exercise routine, such as advice on different types of workouts, suggestions for tracking progress, or tips for staying motivated.
- 3.Mental health and stress management: This category might include tips for reducing stress, improving sleep, and promoting overall mental wellness.
- 4.Hygiene and illness prevention: This category might include tips for maintaining good hygiene habits, such as washing hands regularly, wearing a mask in public, and avoiding close contact with sick people.

The function might also allow users to customize their experience by selecting their interests or goals. For example, users might be able to set preferences for the types of tips they want to see or create a personalized health plan that incorporates advice from the app.

Overall, the "health tips and tricks" function in a health care Android application could be a valuable tool for users looking to improve their health and well-being. By providing users with practical and actionable advice on a range of health-related topics, the function could help users make positive lifestyle changes and achieve their health goals.

The "health tips and tricks" function health care Android application involves data management, here's how CRUD operations might be applied in this context:

- 1.Create: This operation would be used to create new health tips and tricks in the application. For example, a Admin might submit a new tip about healthy eating habits, which would be added to the database and displayed to users.
- 2.Read: This operation would allow users to view the health tips and tricks that have been added to the application. For example, a user might browse a list of tips or search for tips related to a specific topic.

3.Update: This operation would allow admin to modify existing health tips and tricks. For example, a admin might update a tip to include more information or correct a mistake.

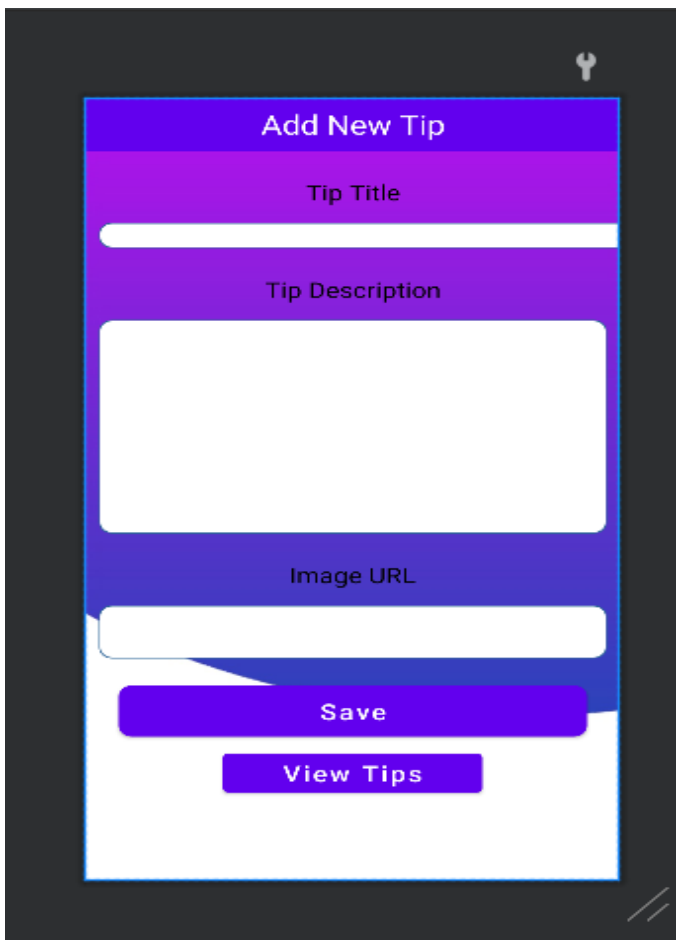
4.Delete: This operation would allow admin to remove health tips and tricks from the application. For example, a admin might delete a tip that is no longer relevant or accurate.

Overall, the CRUD operations in this context would allow to manage the collection of health tips and tricks in the application, ensuring that the information remains accurate, up-to-date, and relevant to users' needs.

### IT20657314 - Create new tips User Interface

This operation would be used to create new health tips and tricks in the application. For example, a Admin might submit a new tip about healthy eating habits, which would be added to the database and displayed to users.

### IT20657314 - Create (Add) new tips User Interface



A mobile application interface for adding a new tip. The screen has a dark purple background. At the top, there is a title bar with the text "Add New Tip" in white. Below the title bar, there are three input fields: "Tip Title" (a single-line text field), "Tip Description" (a multi-line text area), and "Image URL" (a single-line text field). At the bottom, there are two buttons: a large "Save" button and a smaller "View Tips" button, both in a lighter shade of purple.

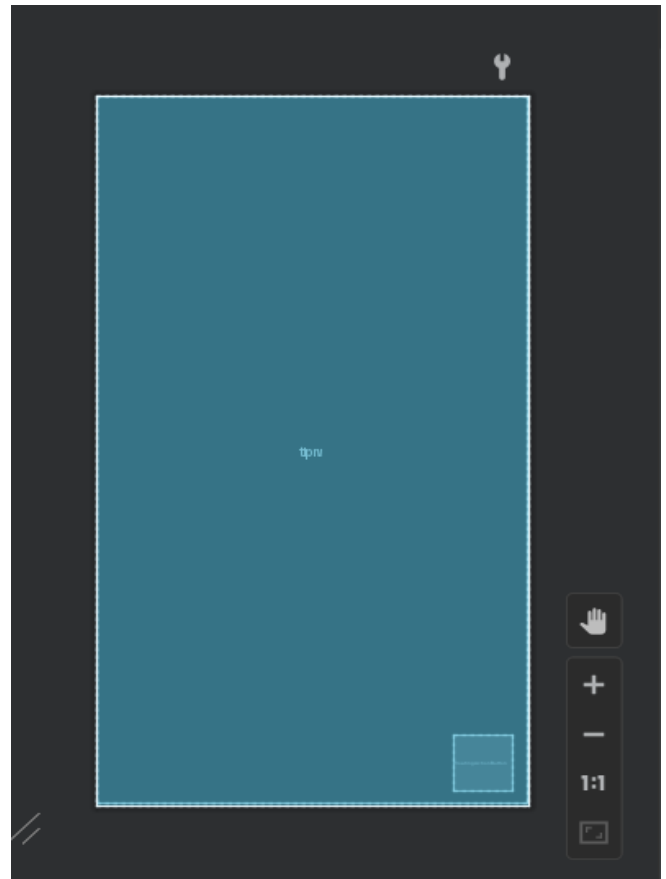
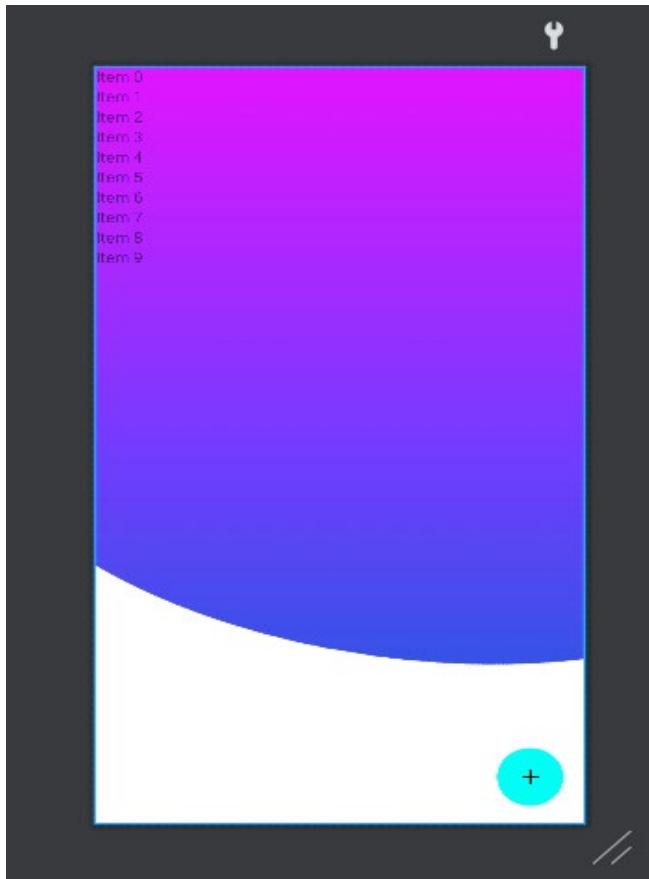


A mobile application interface for adding a new tip. The screen has a dark teal background. At the top, there is a title bar with the text "Add New Tip" in white. Below the title bar, there are three input fields: "Tip Title" (a single-line text field), "Tip Description" (a multi-line text area), and "Image URL" (a single-line text field). At the bottom, there are two buttons: a large "SAVE" button and a smaller "VIEW TIPS" button, both in a lighter shade of teal.

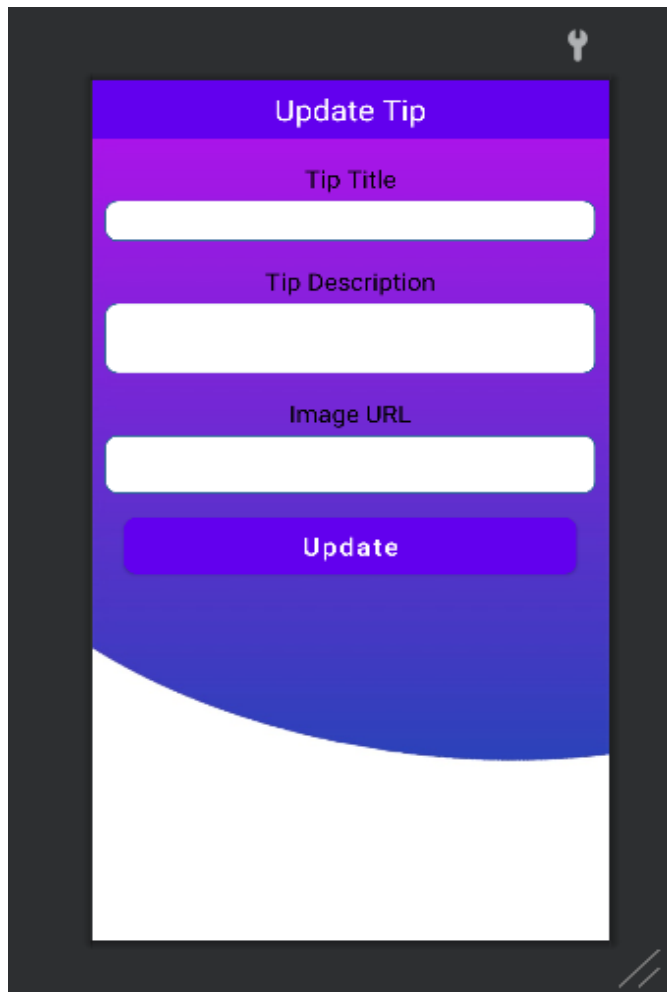
### IT20657314 - View the tips and tricks

here users can view the health tips and tricks that have been added to the application.

### IT21263026 - View the tips and tricks User Interface.



## IT20657314 - Update the tips and tricks



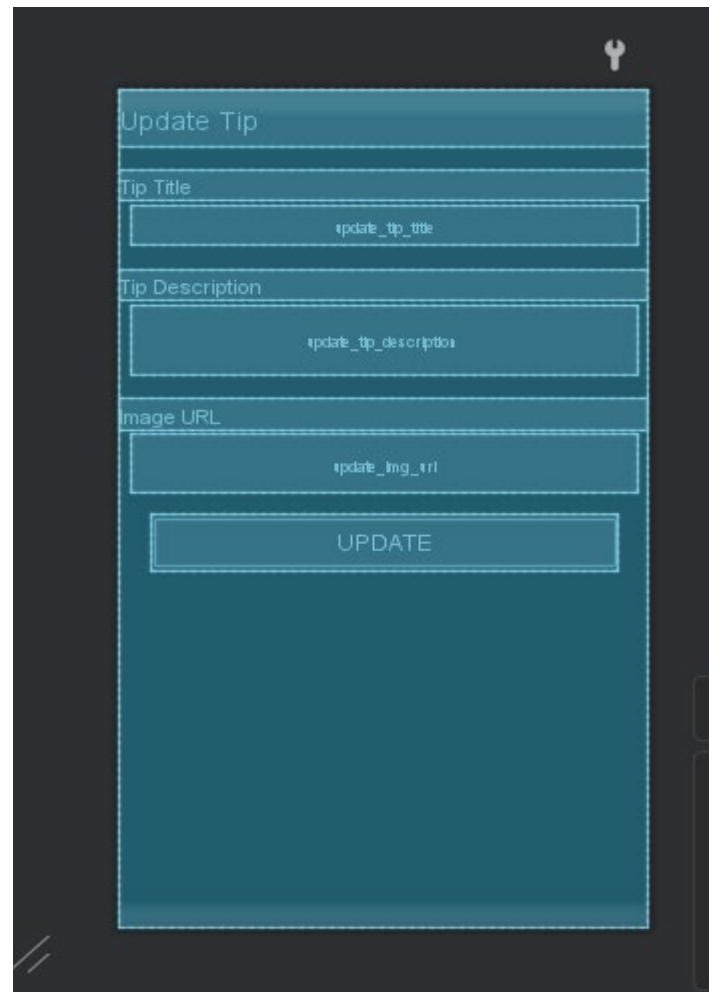
Update Tip

Tip Title

Tip Description

Image URL

Update



Update Tip

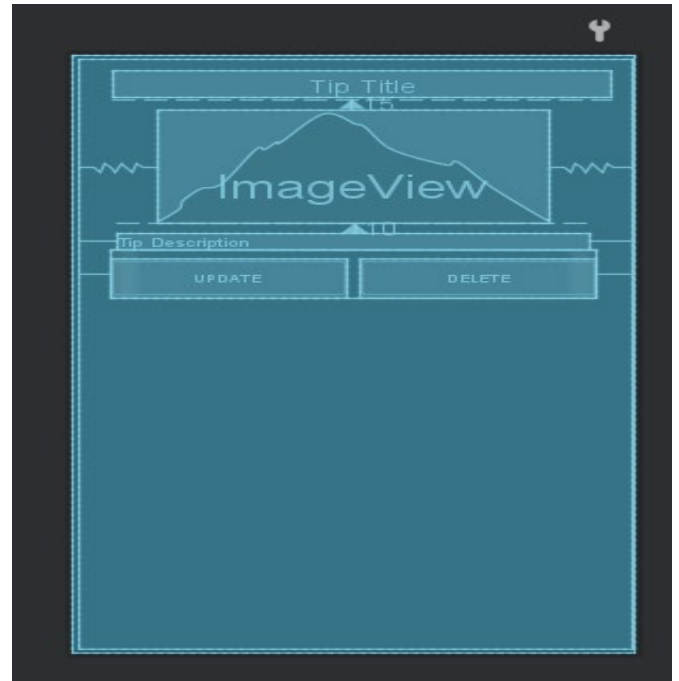
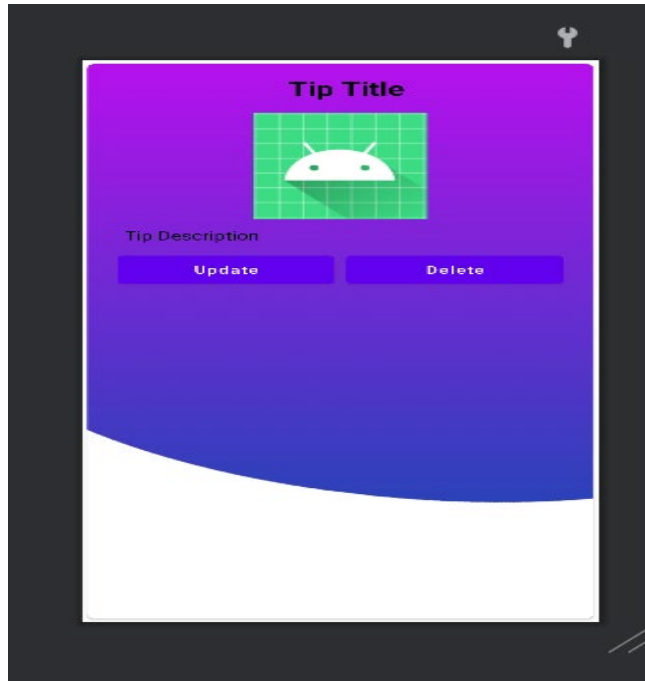
Tip Title

Tip Description

Image URL

UPDATE

## IT20657314 - delete the tips and tricks



## Screenshots of the usages of resources (String, colors, dimensions, ...)

IT20657314 - Colors.xml and Strings.xml file's screenshot is attached below.

