

IT2010 – Mobile Application Development

BSc (Hons) in Information Technology

2nd Year

Faculty of Computing

SLIIT

2023 – Assessment 01

Phase 1 Report

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Application Topic	Reduce Poverty in Rural SriLanka	
Group Name	Neighbourly - Y2.S2.IT.04.01	

Contents

Project Declaration	4
Introduction	5
Contribution	6
1. IT21169380 – User Profile and Donations	6
2. IT21189944 – Item Donations	6
3. IT21186042 – Family	6
4. IT21169144 – Article	7
User Interfaces	8
1. IT21169380 – User Profile and Donations	8
2.Login	8
1. Main UI	8
3. Sign UP	9
4.Dashboard	9
6. Donate	10
5.Menu	10
8.Fund Overview	11
7.Donation Info	11
9.User Profile	12
10.Edit/Delete Profile	12
12.User List	13
11.Reset Password	13
IT21189944 – Item Donations	14
2.Donation List	14
1.Item Donation	14
4.Donation Done	15
3.Donation Home	15
6.Donation 1	16
5.Donation Category	16
8.Donation 3	17
7.Donation 2	17
9. Donation 4	18
IT21186042 – Family	19

2.Edit Family	19
1.Add Family	19
4.Delete Family	20
3.Contact Us	20
5.About Us	21
IT21169144 – Article	22
2.Edit/ delete Article	22
1.Add Article	22
4.Article	23
3.View/edit Article	23
5.Article List	24
Usage Of Resources	25
Strings xml	25
IT21169380 – User Profile and Donations	25
IT21186042 – Family	28
IT21169144 – Article	29
Colors XML	30
Dimensions	30
Styles YMI	21

Project Declaration

We, the members of "Neighbourly – Y2.S2.IT.04.01". 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.

Ln

Group Leader (Signature) Thuduwage I.M.H.G

Introduction

Neighbourly is a mobile application built using Kotlin language aimed at reducing poverty in rural Sri Lanka and helping people in economic crises. The app connects volunteers and donors, where volunteers can sign up and provide their details, including their National Identity Card (NIC) for verification. Donors can donate money or items, such as food, school accessories, and medical items. Also, Donors can choose specific categories such as child orphanages, elder houses, low-income families, and low-facility schools for their fund donations. The donor dashboard displays the total fund amount, daily money donations, the donor's donations made in all time, as well as the donation overview for each category. Donors and volunteers can edit or delete their accounts.

The app also has a blog with a news page that offers awareness and information, where admin can post, edit, or delete articles. Volunteers can add selected low-income families in their area, and anyone can donate their remaining or prepared food for those families, reducing food wastage and hunger simultaneously. The system sends notifications to relevant volunteers to connect the donated food with those in need. The "Contact Us" page allows users to contact the team with any inquiries or concerns, and inquiries are directed to the relevant parties via email. Neighbourly provides a platform to make a positive impact on people's lives and communities in need.

Neighbourly plans to enhance the app's functionality by adding a volunteer delivery system for those who are unable to collect the available items. The app also aims to connect with the government health sector and register local officers such as Public Health Inspectors (PHI) to obtain key info about people in a given area, such as their BMI values, number of children, and monthly income, in order to prioritize the areas that require the most help and support.

Neighbourly is a non-profit app that supports its operations through advertising from item sellers, pharmacies, food cities, restaurants, and shops. With its noble purpose and innovative features, Neighbourly has the potential to make a significant impact on poverty reduction and create a more equitable and inclusive society in Sri Lanka.

Contribution

1. IT21169380 – User Profile and Donations

There are three types of users in this user management system: volunteers ,donors and Admin. Both can register, log in, update, and delete accounts. Donors can view their donation history, daily donations, and overall fund amounts, while volunteers can view articles and donations in addition to add a family to their account. Only Admins can see the add or delete article options. Users create a username and password during registration and receive a confirmation email. The system allows users to manage their accounts, access information, and make donations in a secure and convenient manner.

Donors can choose the donation their preferred donation category. In this part I will create the Donation form and store donation details.

2. IT21189944 – Item Donations

Donors must log into their accounts and select the item donation option before being prompted to fill out a form with the appropriate information. Donors will receive a thank you letter and an email confirming their donation once the form is submitted.

In addition to the donor, all volunteers involved in the charity organization will also receive a notification about the donation. This ensures that everyone is aware of the incoming donation and can take necessary action accordingly.

Volunteers will then update the status of the donation to "dispatched" after it has been distributed, and subsequently delete the item from the donation list. This ensures that there is no confusion or duplication in the distribution process.

3. IT21186042 - Family

The charity's app includes a "Add Family" button where volunteers can quickly add recognized families. All that's required is the completion of a form with basic information about the family, including names, addresses, and the kind of help they need.

Additionally, volunteers have the ability to update or delete the added details in the list as needed. This allows for flexibility and ensures that the information is always accurate and up to date.

4. IT21169144 – Article

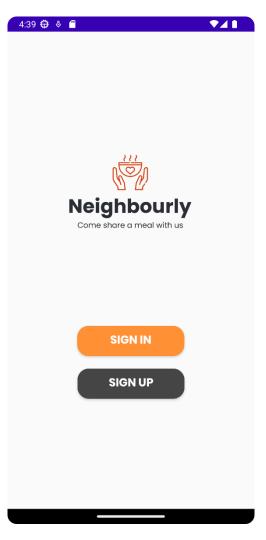
This function allows the administrator of a platform to create and publish articles that provide valuable information about various topics related to helping people in need, crisis situations, and ways to support those who are struggling. The administrator can also update, delete, and manage the list of articles available on the platform. By doing so, the platform can provide volunteers and donors with up-to-date information about relevant issues and guide them towards effective ways of making a difference in their communities. Ultimately, this function can help create a more informed and engaged user base, leading to greater impact in addressing social and humanitarian issues.

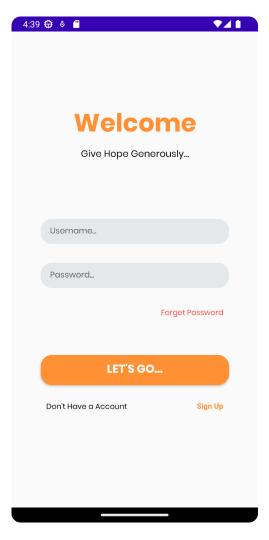
User Interfaces

Drive Link for Android studio UI Screenshots with design view and layout validations - https://drive.google.com/drive/folders/1p9x39Px6Lk8AhBFbSZuubSlhwalPx2fJ?usp=share link

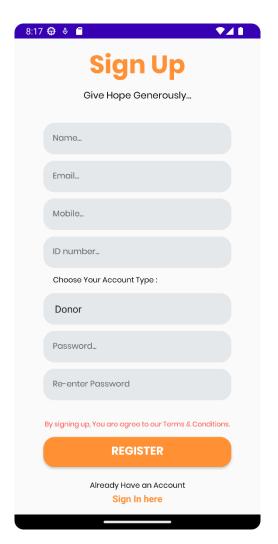
Git Hub Repo Link - https://github.com/IsuruX98/MAD Project Neighbourly.git

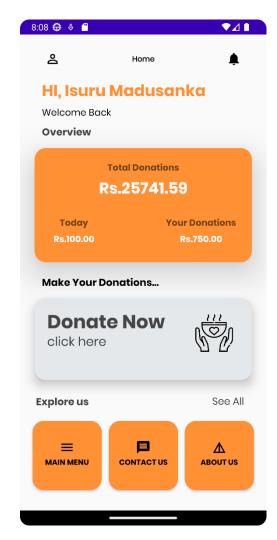
1. IT21169380 - User Profile and Donations



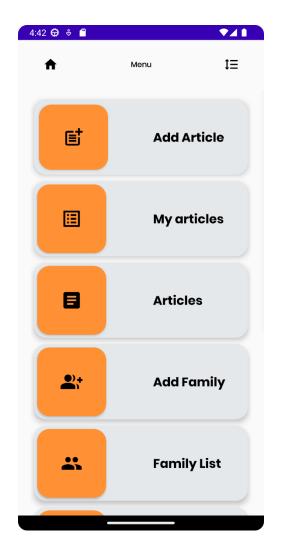


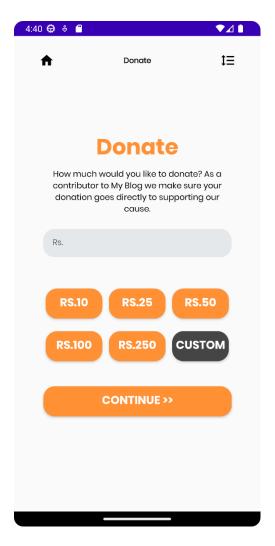
1. Main UI 2.Login



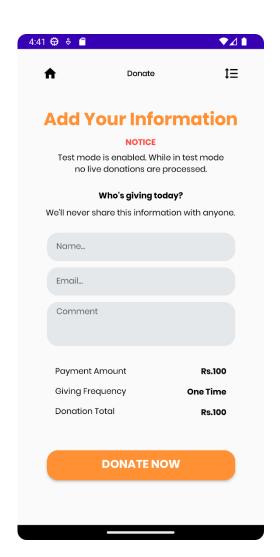


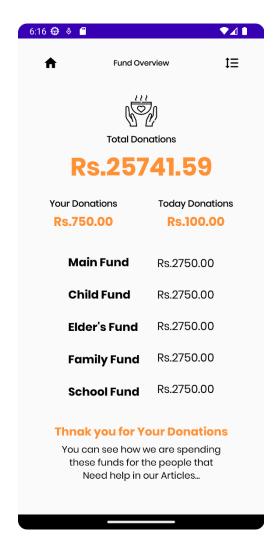
3. Sign UP 4.Dashboard



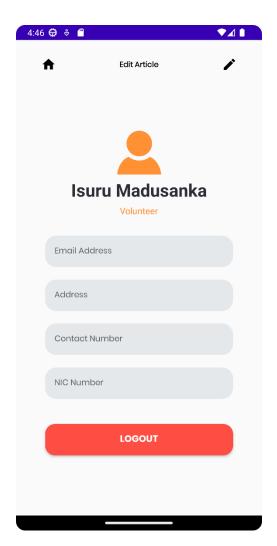


5.Menu 6. Donate

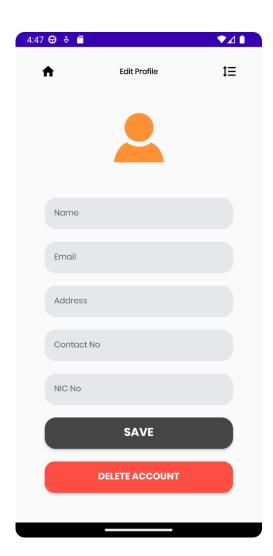




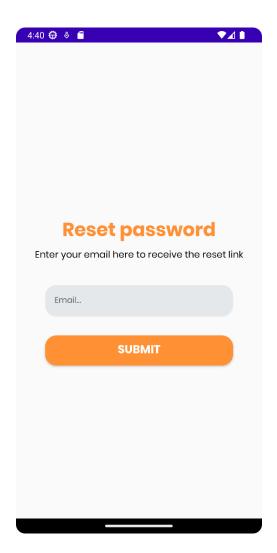
7. Donation Info 8. Fund Overview



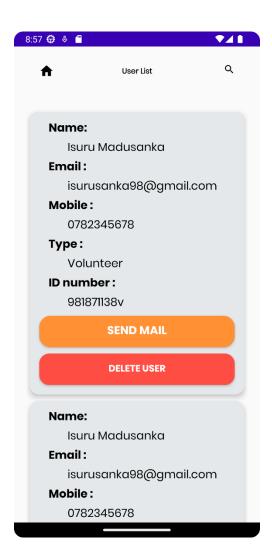
9.User Profile



10.Edit/Delete Profile

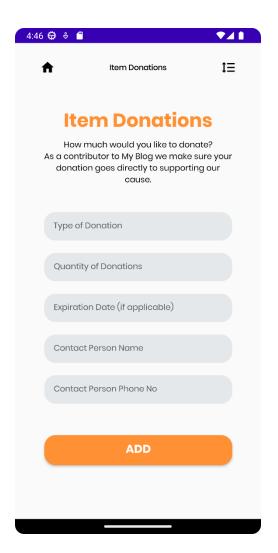




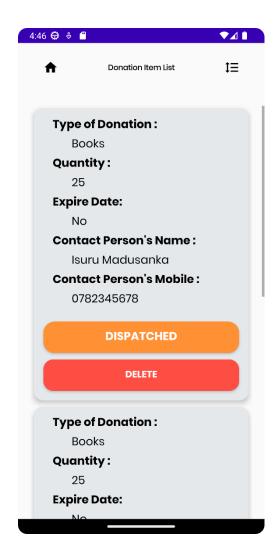


12.User List

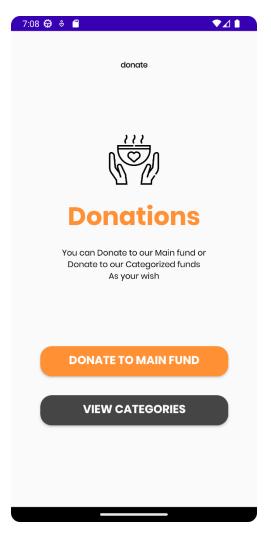
IT21189944 – Item Donations

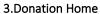


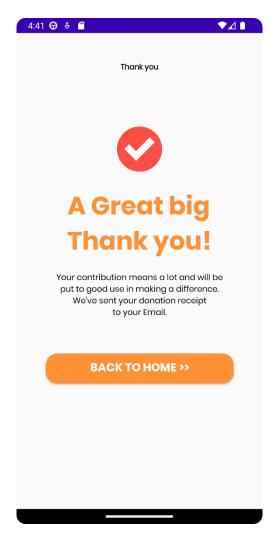
1.Item Donation



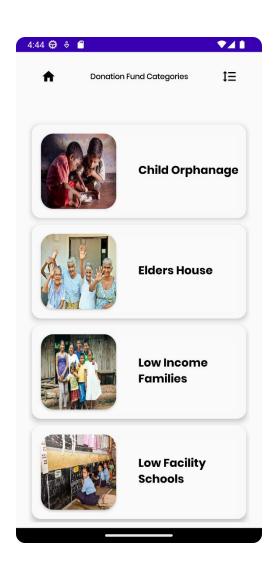
2.Donation List



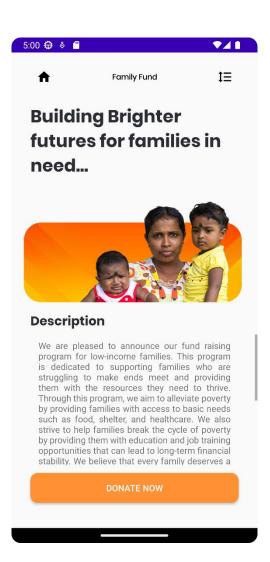




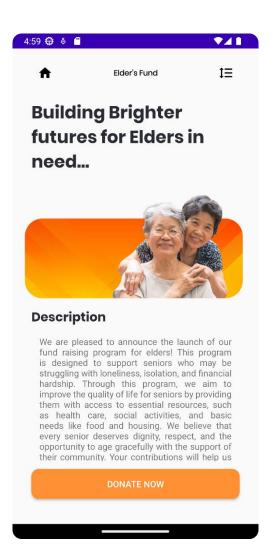
4.Donation Done

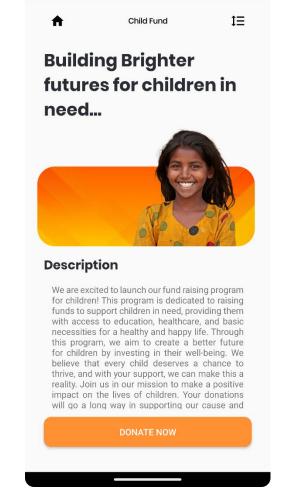


5. Donation Category



6.Donation 1

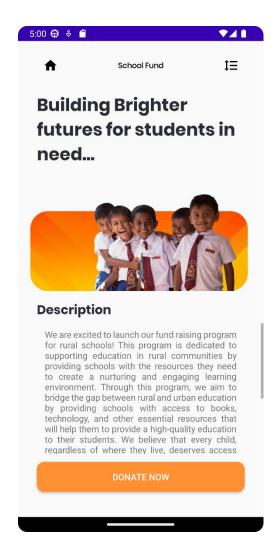




VAT

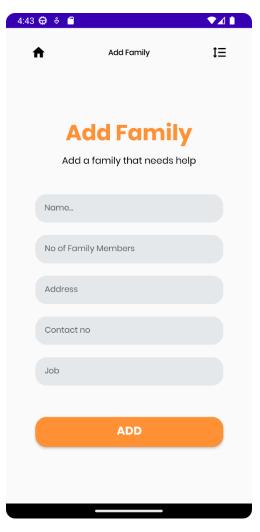
4:45 🤀 🕏 🖺

7.Donation 2 8.Donation 3

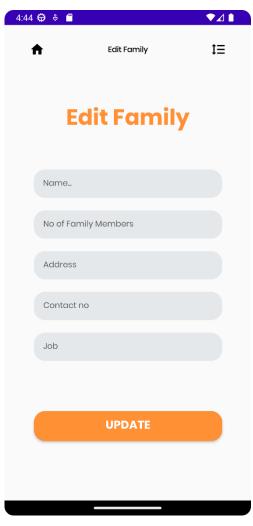


9. Donation 4

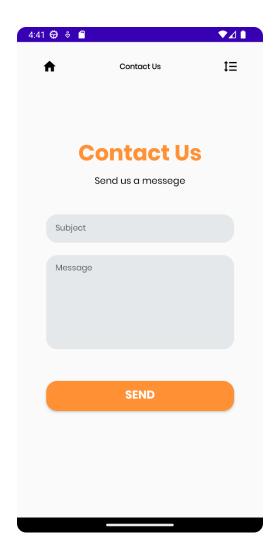
IT21186042 - Family



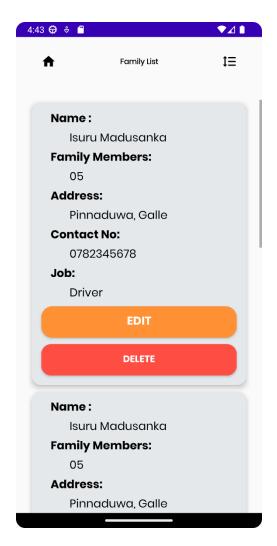
1.Add Family



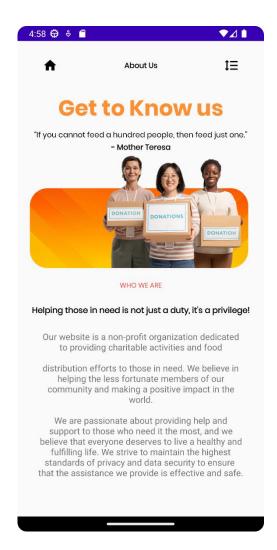
2.Edit Family



3.Contact Us

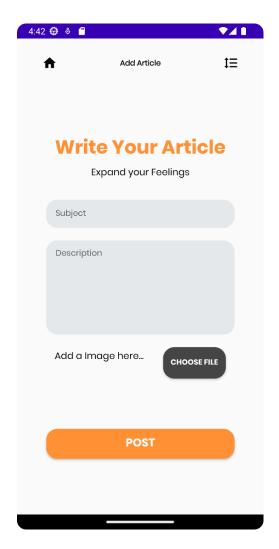


4.Delete Family

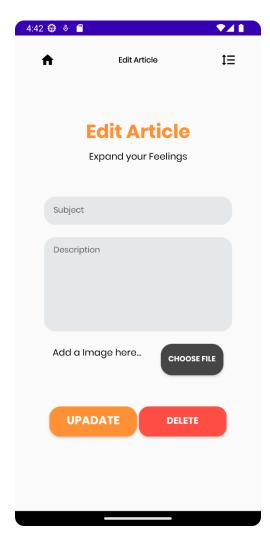


5.About Us

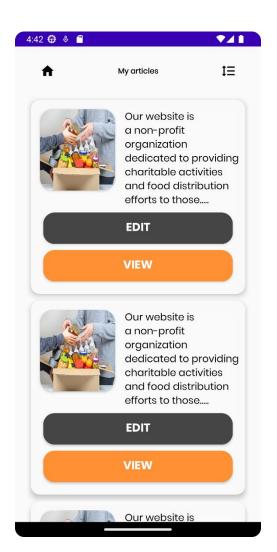
IT21169144 - Article



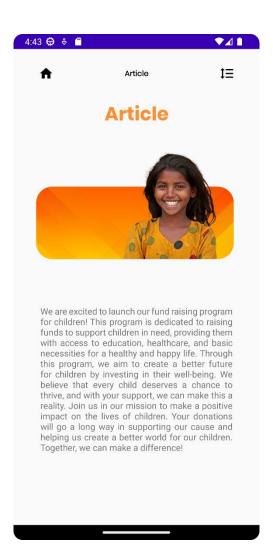
1.Add Article



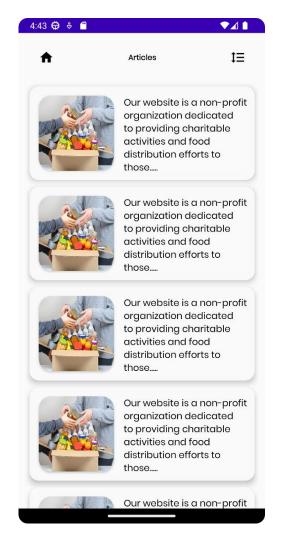
2.Edit/ delete Article



3. View/edit Article



4.Article



5.Article List

Usage Of Resources

Git Hub Repo Link - https://github.com/IsuruX98/MAD Project Neighbourly.git

Strings xml

IT21169380 - User Profile and Donations

```
<string name="donate_now_text">Donate Now</string>
<string name="user_name_text">HI, Isuru Madusanka</string>
<string name="welcome_back_text">Welcome Back</string>
<string name="make_your_donations_text">Make Your Donations...
<string name="total_donations_text">Total Donations</string>
<string name="total_amount_text">Rs.25741.59</string>
<string name="today_text">Today</string>
<string name="rs_100_00_text">Rs.100.00</string>
<string name="your_donations_text">Your Donations</string>
<string name="rs_750_00_text">Rs.750.00</string>
<string name="blogs_text">Blogs</string>
<string name="donations_text">Donations</string>
<string name="menu_text">Menu</string>
<string name="see_all_text">See All</string>
<string name="update_text">Upadate</string>
<string name="delete">Delete</string>
```

```
<resources>
   <string name="app_name">Neighbourly</string>
   <string name="sign_up">Sign Up</string>
   <string name="sign_in">Sign In</string>
   <string name="welcome">Welcome</string>
   <string name="give_hope_generously">Give Hope Generously...
   <string name="email">Email...</string>
   <string name="forget_password">Forget Password</string>
    <string name="let_s_go">Let\'s Go...</string>
   <string name="logo">logo</string>
   <string name="account_alert">Don\'t Have a Account</string>
   <string name="conditions"><![CDATA[By signing up, You are agree to our Terms & Conditions.]]></string>
    <string name="already_account_alert">Already Have an Account</string>
   <string name="reset_password">Reset password</string>
   <string name="email_receive_alert">Enter your email here to receive the reset link</string>
   <string name="submit">Submit</string>
   <string name="register">Register</string>
   <string name="home">Home</string>
   <string name="activities">Activities</string>
    <string name="profile">Profile</string>
   <string name="hello_blank_fragment">Hello blank fragment</string>
```

. IT21189944 - Item Donations

```
<string name="donation_bulk_text">Donation Bulk</string>
<string name="donate_description">How much would you like to donate? As a\ncontributor to My Blog we make sure your\ndonat
<string name="rs">Rs.</string>
<string name="DonateContinue"><![CDATA[Continue >>]]></string>
<string name="rs_10">Rs.10</string>
<string name="rs_25">Rs.25</string>
<string name="rs_50">Rs.50</string>
<string name="rs_250">Rs.250</string>
<string name="add_your_information">Add Your Information
<string name="donate_add_info_des">Test mode is enabled. While in test mode\nno live donations are processed.</string>
<string name="who_s_giving_today">Who\'s giving today?</string>
<string name="comment">Comment</string>
<string name="giving_frequency">Giving Frequency</string>
<string name="notice">NOTICE</string>
<string name="one_time">One Time</string>
<string name="Dinfo_des">We'll never share this information with anyone.
<string name="back_to_home"><![CDATA[Back To Home >>]]></string>
<string name="thank_you">Thank you</string>
<string name="orphanDescription">Description</string>
<string name="orphanBodyTxt">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi rhoncus sed odio ac dignissim.
<string name="donateHeader">Building Brighter futures for children in need...
<string name="girl1">girl1</string>
<string name="orphanBtnDonate_now">Donate Now</string>
```

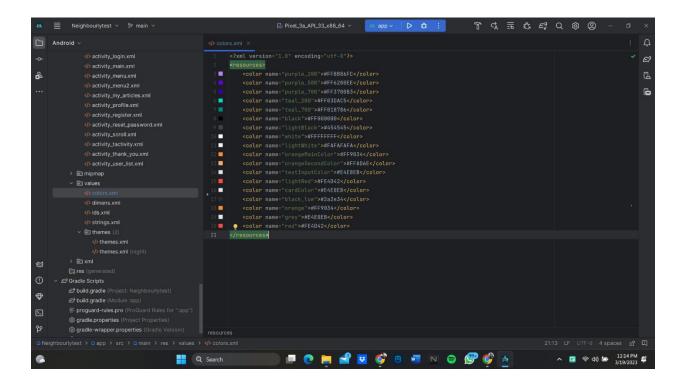
```
<
```

```
<!-- contact us-->
    <string name="contact_us_text">Contact Us</string>
    <string name="subject_text">Subject</string>
    <string name="message_text">Message</string>
    <string name="send_text">Send</string>
    </string name="send_tex
```

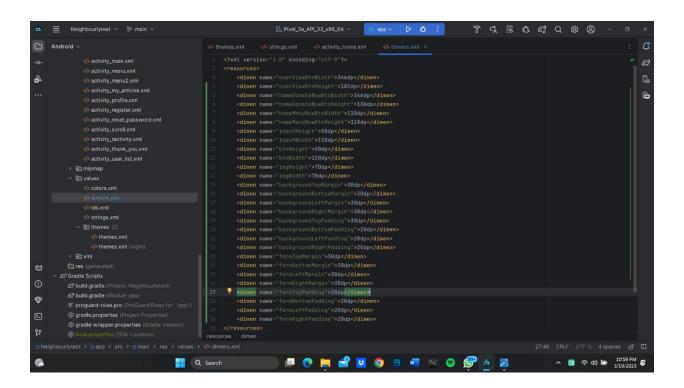
IT21169144 - Article

```
<string name="edit_article">Edit Article</string>
  <string name="choose_file">Choose File</string>
  <string name="edit_profile">Edit Profile</string>
  <string name="donation_ncategories">Donation\nCategories</string>
  <string name="elder_s_fund">Elder\'s Fund</string>
  <string name="elder_s_fund">Elder\'s Fund</string>
  <string name="family_fund=">Family Fund</string>
  <string name="family_fund">Family Fund</string>
  <string name="fund_overview">Fund Overview</string>
  <string name="fund_number">Rs. 2750.00</string>
  <string name="fund_oundons">Today Donations</string>
  <string name="main_menu">Main menu</string>
  <string name="main_menu">Main menu</string>
  <string name="main_text">isurusanka98@gamil.com</string>
  <string name="mail_text">isurusanka98@gamil.com</string>
  <string name="id">In number :</string>
  <string name="maila">Email :</string>
  <string name="maila"
  <string name="maila"
  <string name="maila"
  <string name="maila"
  <string name="maila"
  <s
```

Colors XML



Dimensions



Styles XML

```
<style name="btn0rangeMain">
   <item name="android:background">
       @drawable/bg_btn_orange
   </item>
       @font/poppins_bold
   </item>
   <item name="android:textColor">
       @color/white
   </item>
    <item name="android:textSize">
    </item>
    <item name="android:textStyle">
       bold
   </item>
    <item name="android:textAlignment">
    </item>
</style>
```

```
<style name="btnRed">

<item name="android:background">

@drawable/bg_btn_red

</item>

<item name="android:fontFamily">

@font/poppins_bold

</item>

<item name="android:textColor">

@color/white

</item>

<item name="android:textSize">

15sp

</item>

<item name="android:textStyle">

bold

</item>

<item name="android:textStyle">

center

</item>

<item name="android:textAlignment">

center

</item>

</style>
```

```
<style name="background">
<item name="android:background">
                @color/lightWhite
            </item>
            <item name="android:padding">
            </item>
        </style>
        <style name="btn0rangeSecond">
            <item name="android:background">
                @drawable/bg_btn_light_orange
           </item>
            <item name="android:fontFamily">
                @font/poppins_bold
               @color/white
            </item>
            </item>
            <item name="android:textStyle">
            </item>
        </style>
```

Git Hub Repo Link - https://github.com/IsuruX98/MAD_Project_Neighbourly.git

Drive Link for Android studio UI Screenshots with design view and layout validations - https://drive.google.com/drive/folders/1p9x39Px6Lk8AhBFbSZuubSlhwalPx2fJ?usp=share-link