

Code Document: Church Management System - Rock RMS

Below is the list of pages that are involved in the Profile page:

More page,

Profile page,

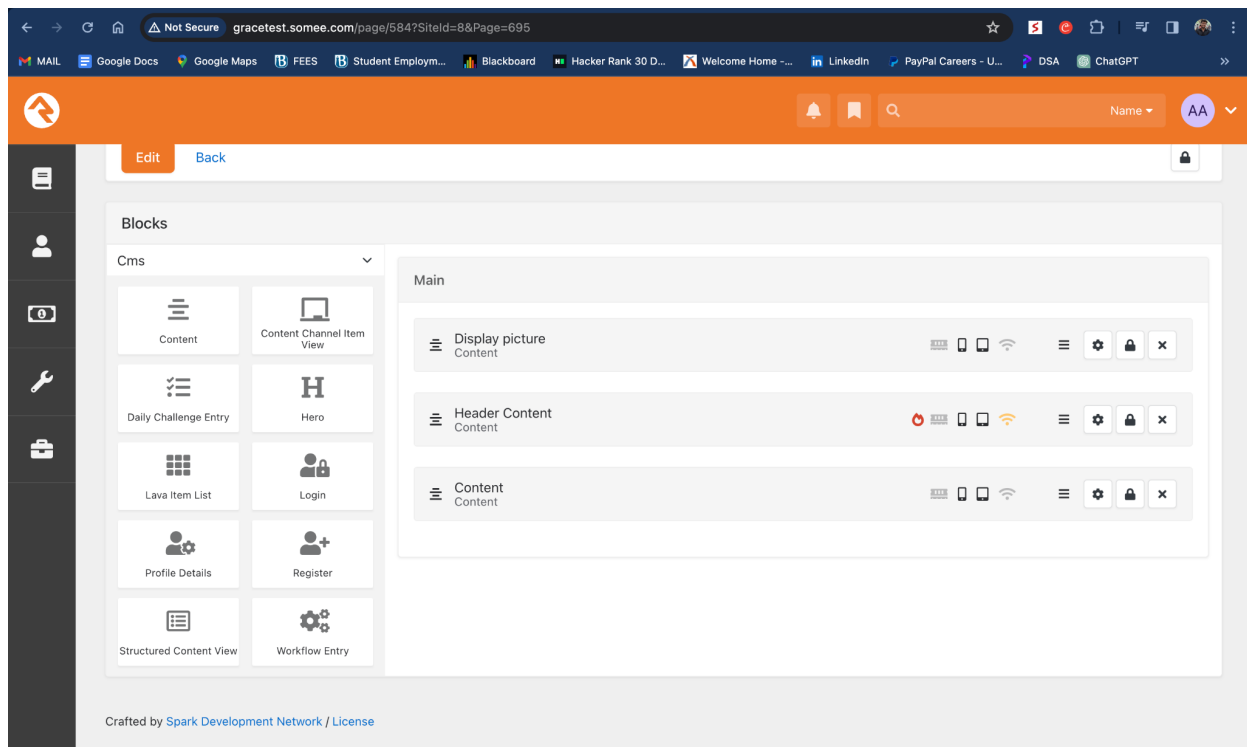
Update Profile page,

Registration page,

Login page,

FAQs page, and Communications page.

MORE PAGE:



The below code and explanation are of the block “Display Picture” :

```
<Rock: Image
  Source="https://i.ibb.co/hM0W1G9/download-1.jpg"
  BackgroundColor="#c4c4c4"
  HeightRequest="128"
  WidthRequest="128"
  Aspect="AspectFill"
  Margin="0,60,0,30"
  HorizontalOptions="Center"
  VerticalOptions="Fill">
  <Rock:CircleTransformation BorderSize="4"
    BorderColor="rgba(255, 255, 255, 0.58)" />
</Rock: Image>
```

Image Element (<Rock:Image>):

- Source: Specifies the image source URL.
- BackgroundColor: Sets the image's background color to a light gray (#c4c4c4).
- HeightRequest and WidthRequest: Set the height and width of the image to 128 units.
- Aspect: Defines how the image should be scaled or cropped to fit the specified dimensions. In this case, "AspectFill" suggests filling the entire space, possibly by cropping the image.

Layout and Positioning:

- Margin: Sets the external margin of the image, with values "0,60,0,30" representing top, right, bottom, and left margins, respectively.
- HorizontalOptions: Centers the image horizontally.
- VerticalOptions: Fills the vertical space.

Circle Transformation (<Rock:CircleTransformation>):

- This is a nested element within the image, suggesting a custom transformation for the image.
- BorderSize: Sets the size of a border around the transformed image to 4 units.
- BorderColor: Defines the border's color, using an RGB format with white color and 0.58 opacity.

The below code and explanation are of block “Header Content” :

```
<Grid BackgroundColor="White">
  <Grid.RowDefinitions>
    <RowDefinition Height="Auto" />
  </Grid.RowDefinitions>

  <StackLayout Margin="0,0,0,0" Orientation="Horizontal"
    BackgroundColor="#7bb446">
    <StackLayout Orientation="Horizontal"
      HorizontalOptions="CenterAndExpand" VerticalOptions="FillAndExpand">
      <Rock:LoginStatus
        WelcomeMessage="Hello {{ CurrentPerson.FirstName }}"
        LoginMessage="Login"
        EditProfileLabel="Edit Profile"
        ImageSize="20"
        TitleFont="Poppins"/>
    </StackLayout>
  </StackLayout>
</Grid>
```

Grid Element (<Grid BackgroundColor="White">):

- BackgroundColor: Sets the background color of the entire grid to white.

Row Definitions (<Grid.RowDefinitions>):

- Declares the row definitions for the grid. In this case, there is one row with a height set to "Auto," which means the row will adjust its height based on its content.

StackLayout (<StackLayout Margin="0,0,0,0" Orientation="Horizontal"

BackgroundColor="#7bb446">):

- Margin: Sets the external margin of the stack layout to zero.
- Orientation: Specifies that the children of the stack layout should be arranged horizontally.
- BackgroundColor: Sets the background color of the stack layout to green (#7bb446).

Nested StackLayout (<StackLayout Orientation="Horizontal"

HorizontalOptions="CenterAndExpand" VerticalOptions="FillAndExpand">):

- Orientation: Children of this stack layout are arranged horizontally.
- HorizontalOptions: Centers the stack layout horizontally.
- VerticalOptions: Fills the vertical space.

Custom Control (<Rock:LoginStatus ... />):

- This is a custom control (possibly defined in a "Rock" namespace) called "LoginStatus." It has various properties set:
 - WelcomeMessage: Displays a welcome message using a template that includes the first name of the current person.
 - LoginMessage: Displays a login message.
 - EditProfileLabel: Displays a label for editing the profile.
 - ImageSize: Sets the size of an image within the control to 20 units.
 - TitleFont: Specifies the font for the title using the "Poppins" font.

The below code and explanation are of the block "Content" :

```
<StackLayout Spacing="16"
  StyleClass="first-section-padding"
  Margin="0, 24, 0, 0">

  <StackLayout Spacing="0">

    <Grid ColumnDefinitions="*, 24"
      ColumnSpacing="12"
      Padding="5, 16">

      <ContentView Grid.Column="0"
```

```

        VerticalOptions="Center">
        <Label Text="Update Profile"
            StyleClass="h4-lowercase"
                FontFamily="Poppins"
FontSize="18"
FontAttributes="Bold"/>
    </ContentView>

    <Rock:Icon IconClass="chevron-right"
        IconFamily="FontAwesomeSolid"
        TextColor="Black"
        Grid.Column="1"
        VerticalOptions="Center"
        HorizontalOptions="Center" />

    <Grid.GestureRecognizers>
        <TapGestureRecognizer Command="{Binding PushPage}"
CommandParameter="ae7dcdbf-af56-4926-9ebb-8035c09baa88" />
    </Grid.GestureRecognizers>
</Grid>
<Rock:Divider />

<Grid ColumnDefinitions="*, 24"
    ColumnSpacing="10"
    Padding="5, 16">

    <ContentView Grid.Column="0"
        VerticalOptions="Center">
        <Label Text=" Give "
            StyleClass="h4-lowercase"
            FontFamily="Poppins"
            FontSize="18"
            FontAttributes="Bold"/>
    </ContentView>

    <Rock:Icon IconClass="chevron-right"
        IconFamily="FontAwesomeSolid"
        TextColor="Black"
        Grid.Column="1"
        VerticalOptions="Center"
        HorizontalOptions="Center" />

    <Grid.GestureRecognizers>
        <TapGestureRecognizer Command="{Binding OpenBrowser}"
            CommandParameter="http://gracetest.somee.com/" />
    </Grid.GestureRecognizers>
</Grid>

```

```

        </Grid.GestureRecognizers>
    </Grid>

    <Rock:Divider />

    <Grid ColumnDefinitions="*, 24"
        ColumnSpacing="12"
        Padding="5, 16">

        <ContentView Grid.Column="0"
            VerticalOptions="Center">
            <Label Text=" Watch "
                StyleClass="h4-lowercase"
                FontFamily="Poppins"
                FontSize="18"
                FontAttributes="Bold"/>
            </ContentView>

            <Rock:Icon IconClass="chevron-right"
                IconFamily="FontAwesomeSolid"
                TextColor="Black"
                Grid.Column="1"
                VerticalOptions="Center"
                HorizontalOptions="Center" />

            <Grid.GestureRecognizers>
                <TapGestureRecognizer Command="{Binding OpenBrowser}"
                    CommandParameter="http://gracetest.somee.com/" />
            </Grid.GestureRecognizers>
        </Grid>
        <Rock:Divider />

        <Grid ColumnDefinitions="*, 24"
            ColumnSpacing="5"
            Padding="5, 16">

            <ContentView Grid.Column="0"
                VerticalOptions="Center">
                <Label Text=" Next Steps "
                    StyleClass="h4-lowercase"
                    FontFamily="Poppins"
                    FontSize="18"
                    FontAttributes="Bold"/>
                </ContentView>

```

```

        <Rock:Icon IconClass="chevron-right"
            IconFamily="FontAwesomeSolid"
            TextColor="Black"
            Grid.Column="1"
            VerticalOptions="Center"
            HorizontalOptions="Center" />

        <Grid.GestureRecognizers>
            <TapGestureRecognizer Command="{Binding OpenBrowser}"
                CommandParameter="http://gracetest.somee.com/" />
        </Grid.GestureRecognizers>
    </Grid>
    <Rock:Divider />

    <Grid ColumnDefinitions="*, 24"
        ColumnSpacing="12"
        Padding="5, 16">

        <ContentView Grid.Column="0"
            VerticalOptions="Center">
            <Label Text=" Leader Tools "
                StyleClass="h4-lowercase"
                FontFamily="Poppins"
                FontSize="18"
                FontAttributes="Bold"/>
        </ContentView>

        <Rock:Icon IconClass="chevron-right"
            IconFamily="FontAwesomeSolid"
            TextColor="Black"
            Grid.Column="1"
            VerticalOptions="Center"
            HorizontalOptions="Center" />

        <Grid.GestureRecognizers>
            <TapGestureRecognizer Command="{Binding OpenBrowser}"
                CommandParameter="http://gracetest.somee.com/" />
        </Grid.GestureRecognizers>
    </Grid>
    <Rock:Divider />

    <Grid ColumnDefinitions="*, 24"
        ColumnSpacing="12"
        Padding="5, 16">

```

```

        <ContentView Grid.Column="0"
            VerticalOptions="Center">
            <Label Text=" Contact US "
                StyleClass="h4-lowercase"
                FontFamily="Poppins"
                FontSize="18"
                FontAttributes="Bold"/>
        </ContentView>

        <Rock:Icon IconClass="chevron-right"
            IconFamily="FontAwesomeSolid"
            TextColor="Black"
            Grid.Column="1"
            VerticalOptions="Center"
            HorizontalOptions="Center" />

        <Grid.GestureRecognizers>
            <TapGestureRecognizer Command="{Binding PushPage}"
                CommandParameter="3591d92b-90bc-462c-915e-8d7bcf5f19aa" />
        </Grid.GestureRecognizers>
    </Grid>
    <Rock:Divider />

    <Grid ColumnDefinitions="*, 24"
        ColumnSpacing="12"
        Padding="5, 16">

        <ContentView Grid.Column="0"
            VerticalOptions="Center">
            <Label Text=" Communication Preferences "
                StyleClass="h4-lowercase"
                FontFamily="Poppins"
                FontSize="18"
                FontAttributes="Bold"/>
        </ContentView>

        <Rock:Icon IconClass="chevron-right"
            IconFamily="FontAwesomeSolid"
            TextColor="Black"
            Grid.Column="1"
            VerticalOptions="Center"
            HorizontalOptions="Center" />

        <Grid.GestureRecognizers>
            <TapGestureRecognizer Command="{Binding PushPage}"

```

```

        CommandParameter="4c169b0c-0b0b-4032-b932-cba6f87da253" />
        </Grid.GestureRecognizers>
    </Grid>

</StackLayout>
</StackLayout>

```

Explanation:

Outer StackLayout (<StackLayout Spacing="16" StyleClass="first-section-padding" Margin="0, 24, 0, 0">):

- Spacing: Specifies the spacing between child elements within the stack layout.
- StyleClass: Associates the stack layout with a style class named "first-section-padding."
- Margin: Sets the external margin of the stack layout.

Nested StackLayout Inside Outer StackLayout (<StackLayout Spacing="0">):

- This nested stack layout contains several sections, each represented by a Grid and custom controls.

Grids with Labels, Icons, and Gesture Recognizers:

- Multiple <Grid> elements are defined, each containing:
 - A <ContentView> with a <Label> displaying a text message.
 - A custom control (<Rock:Icon>) displaying an icon.
 - A <Grid.GestureRecognizers> section, adding a tap gesture recognizer with associated commands and parameters.
- The text, icon, and command parameters appear to vary for different sections, each leading to different actions when tapped.

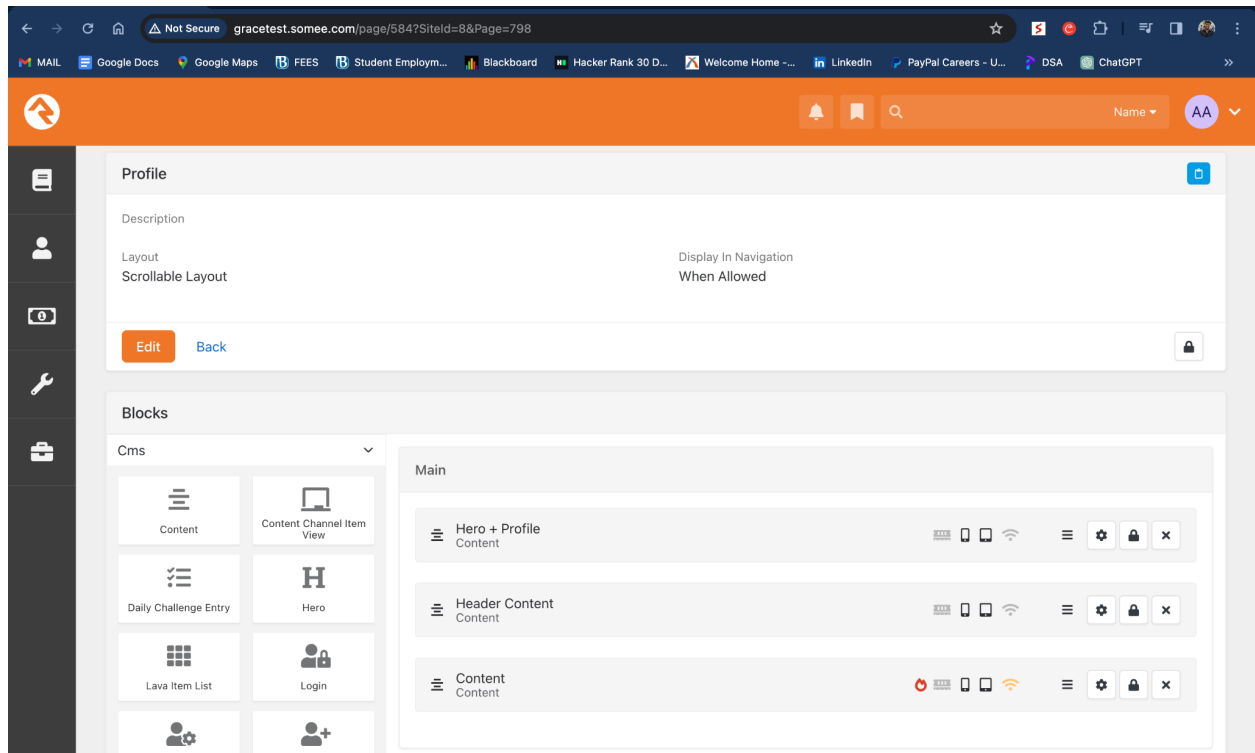
Divider Controls (<Rock:Divider />):

- Custom divider controls (<Rock:Divider />) are inserted between each section.

Overall Layout Structure:

- The outer stack layout contains a series of nested stack layouts, each representing a section of content with a title, icon, and associated actions.
 - The layout seems to provide a menu-like structure with options such as "Update Profile," "Give," "Watch," "Next Steps," "Leader Tools," "Contact Us," and "Communication Preferences."
 - The Sign Out button is positioned at the bottom of the stack layout.
-

PROFILE PAGE:



Code and Blocks of both MORE and PROFILE page are very similar, the only difference is the sign out button.

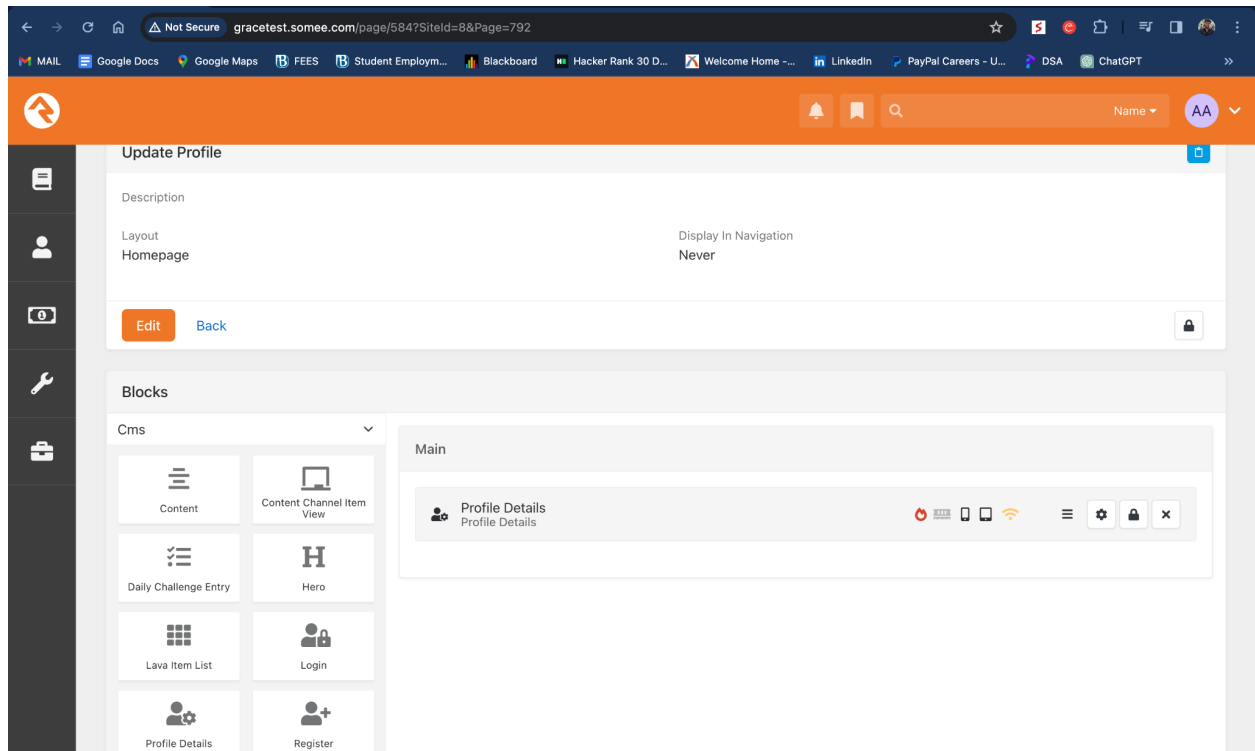
<Button

```
x:Name="LogOutButton"
Text="Sign Out"
StyleClass="btn, btn-link"
HorizontalOptions="Center"
BackgroundColor="#7bb446"
TextColor='white'
Command="{Binding Logout}"
CommandParameter="8c302f57-8d87-4836-a0dd-dbe9c93890bb"
CornerRadius="8"
WidthRequest="200" HeightRequest="40" FontSize="16"
FontAttributes="Bold"
FontFamily="Segoe UI"
Grid.Row="0"
Grid.ColumnSpan="2" />
```

Sign Out Button (<Button>):

- A button is defined with various properties such as text, style class, background color, text color, and a command to be executed on click.
- The button is labeled "Sign Out" and associated with a command named "Logout."

UPDATE PROFILE PAGE:



The “Profile details” block is an in-built block provided by rockRMS. The below CSS code is used to style the borders and appearance of the profile details page.

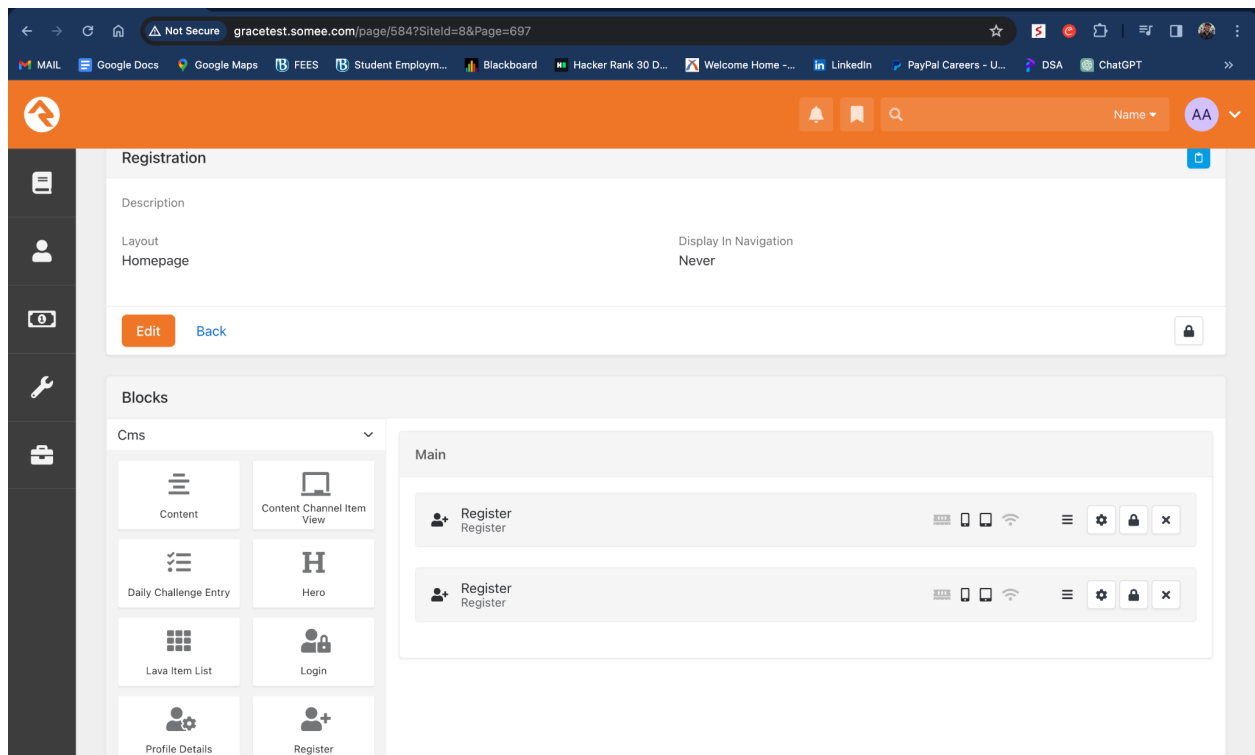
```
fieldstack {
    border-color: #c4c4c4;
    border-width: 2;
    border-radius: 8;
    margin: 10;
}

fieldgroupheader{
    margin:10 10 5 10;
    font-family: 'Poppins', sans-serif;
}

.btn-primary {
    background-color: #7bb446;
    color: white;
    border-radius: 8;
    margin-left: 20;
    margin-right: 20;
    font-weight: bolder;
}
```

```
.btn-link {
  color: black;
  border-radius: 8;
  margin-left: 20;
  margin-right: 20;
  font-weight: bolder;
}
```

REGISTRATION PAGE:



“Register” is a predefined block provided by rockRMS. You can find an option to register yourself (i.e., create an account) in the login-page.

Below code is of CSS, to style the respective page

```
fieldstack {
  border-color: #c4c4c4;
  border-width: 2;
  border-radius: 8;
  margin: 10;
}
```

```

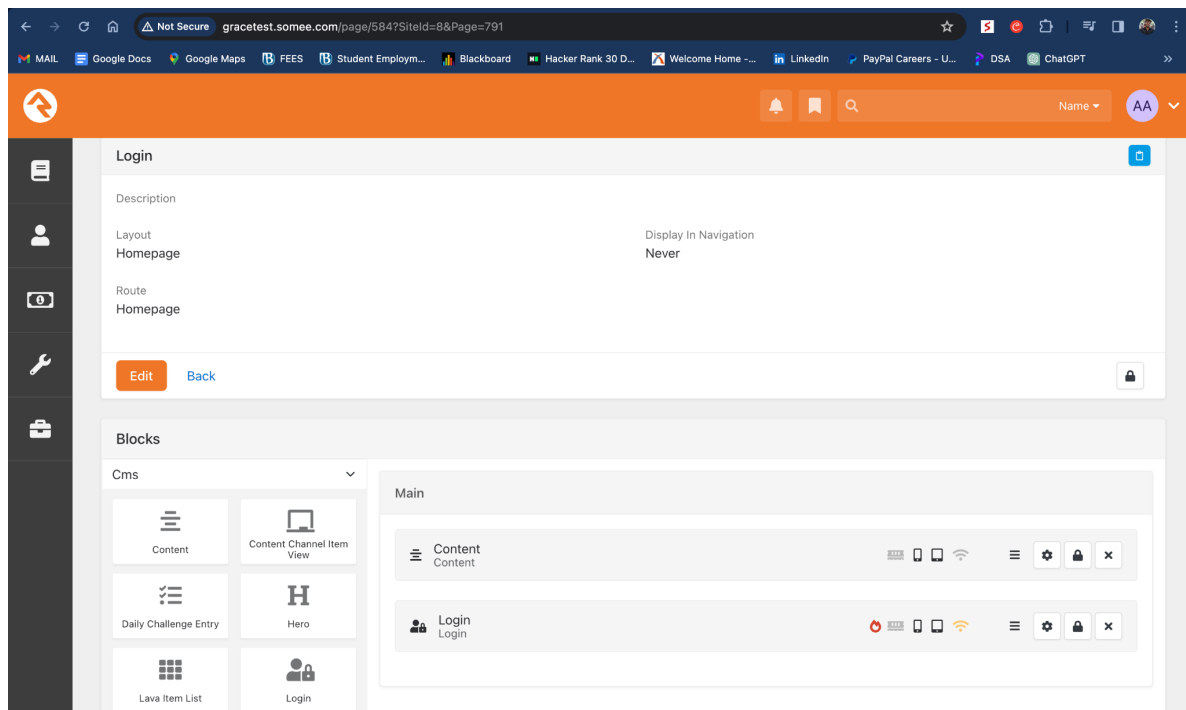
fieldgroupheader{
    margin:10 10 5 10;
    font-family: 'Poppins', sans-serif;
}

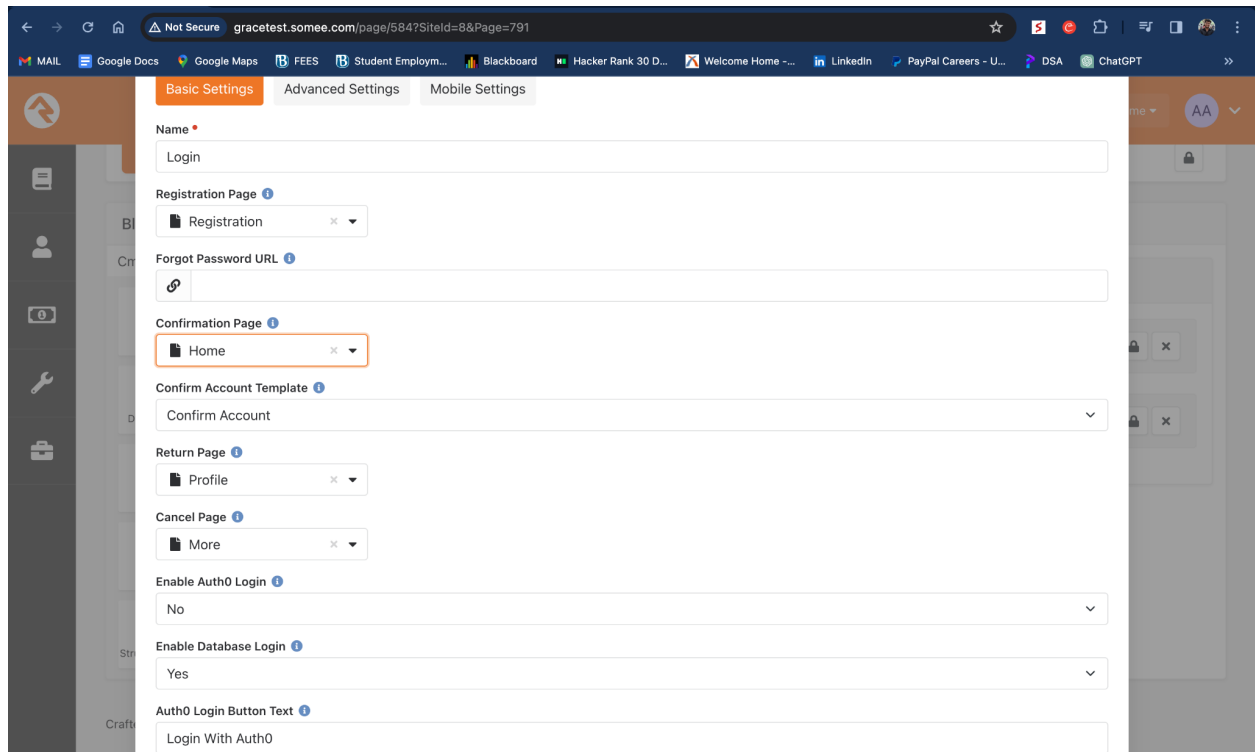
.btn-primary {
    background-color: #7bb446;
    color: white;
    border-radius: 8;
    margin-left: 20;
    margin-right: 20;
    font-weight: bolder;
}

.btn-link {
    color: black;
    border-radius: 8;
    margin-left: 20;
    margin-right: 20;
    font-weight: bolder;
}

```

LOGIN PAGE:





The below code and explanation are of the block “Content” :

```
<Rock:Image
  Source="https://i.ibb.co/hM0W1G9/download-1.jpg"
  BackgroundColor="#c4c4c4"
  HeightRequest="128"
  WidthRequest="128"
  Aspect="AspectFill"
  Margin="0,70,0,30"
  HorizontalOptions="Center"
  VerticalOptions="Fill">
  <Rock:CircleTransformation BorderSize="4"
    BorderColor="rgba(255, 255, 255, 0.58)" />
</Rock:Image>
```

Image Element (<Rock:Image>):

- Source: Specifies the image source URL.
- BackgroundColor: Sets the image's background color to a light gray (#c4c4c4).
- HeightRequest and WidthRequest: Set the height and width of the image to 128 units.
- Aspect: Defines how the image should be scaled or cropped to fit the specified dimensions. In this case, "AspectFill" suggests filling the entire space, possibly by cropping the image.

Layout and Positioning:

- **Margin:** Sets the external margin of the image, with values "0,60,0,30" representing top, right, bottom, and left margins, respectively.
- **HorizontalOptions:** Centers the image horizontally.
- **VerticalOptions:** Fills the vertical space.

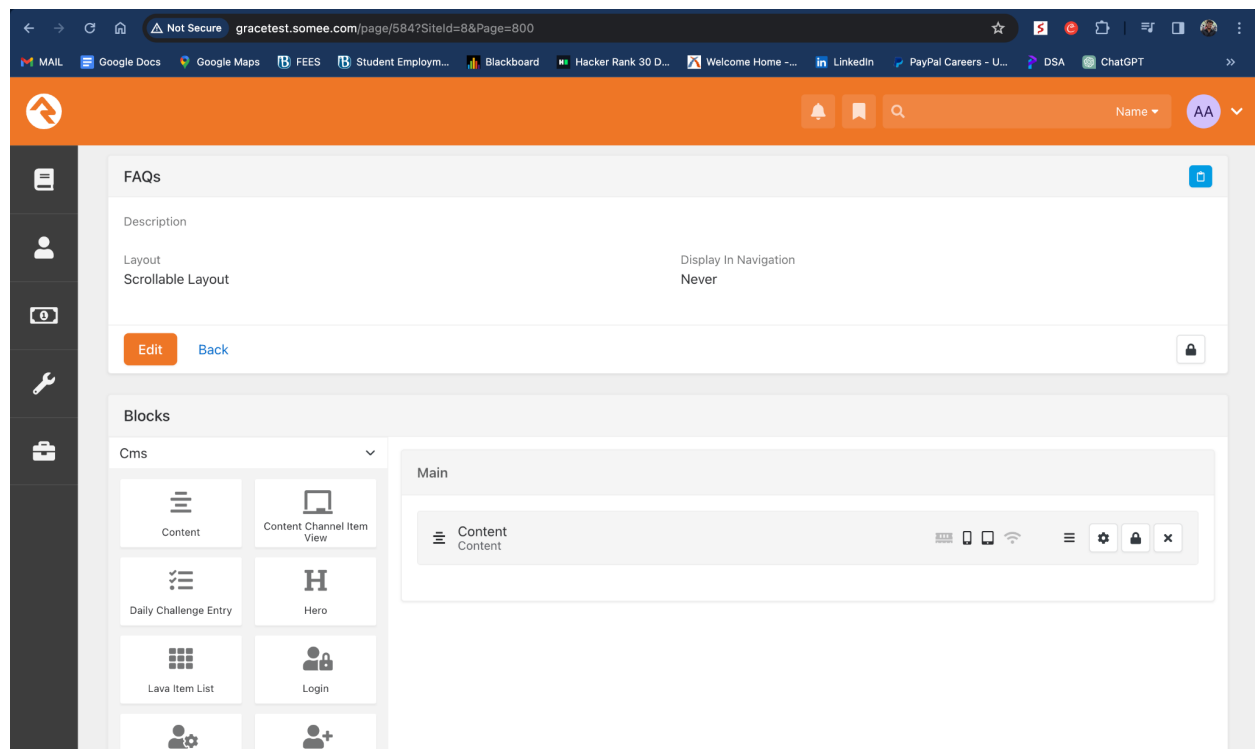
Circle Transformation (<Rock:CircleTransformation>):

- This is a nested element within the image, suggesting a custom transformation for the image.
- **BorderSize:** Sets the size of a border around the transformed image to 4 units.
- **BorderColor:** Defines the border's color, using an RGB format with white color and 0.58 opacity.

“LOGIN” is a predefined block provided by rockRMS. You can find an option to register yourself (i.e., create an account) in the login-page.

We can see in the basic settings how the pages are connected; when you are logged-in confirmation page is Home and the return page is Profile. When you cancel, it's going to return to More page and when you click on the Register button, it returns to Registration Page.

FAQs PAGE:



The below code and explanation are of the block “Content” :

```
<StackLayout>
```

```
    <Label Text=""
      FontFamily="Poppins"
      FontSize="22"
      FontAttributes="Bold"
      TextColor="#000000"
      Margin="5,10,5,5" />
```

```
    <Label Text=""
      FontFamily="Poppins"
      FontSize="22"
      FontAttributes="Bold"
      TextColor="#000000"
      Margin="5,10,5,5" />
```

```
    <Label Text="FAQs (Frequently Answered Questions)"
      FontFamily="Poppins"
      FontSize="22"
      FontAttributes="Bold"
      TextColor="#000000"
      Margin="5,10,5,5" />
```

```
    <Label Text="1. What is the significance of attending church
services?"
      FontFamily="Poppins"
      FontSize="18"
      TextColor="#000000"
      Margin="5,0,20,5" />
```

```
    <Label Text="Attending church services provides a community where
believers gather to worship, learn, and support each other in their
faith journey. It's a place to grow spiritually and build connections
with fellow believers."
      FontFamily="Poppins"
      FontSize="16"
      TextColor="#000000"
      Margin="5,0,20,10" />
```

```
    <Label Text="2. Who is Jesus and what is His role in
Christianity?"
      FontFamily="Poppins"
      FontSize="18"
      TextColor="#000000"
      Margin="5,0,20,5" />
```

<Label Text="Jesus is considered the central figure in Christianity, believed to be the Son of God and the Savior of humanity. His role includes teaching about God's love, sacrifice on the cross for our sins, and providing a way for people to have a relationship with God."

FontFamily="Poppins"
FontSize="16"
TextColor="#000000"
Margin="5,0,20,10" />

<Label Text="3. How can I deepen my relationship with God on a daily basis?"

FontFamily="Poppins"
FontSize="18"
TextColor="#000000"
Margin="5,0,20,5" />

<Label Text="Deepening your relationship with God involves consistent prayer, studying the Bible, attending church regularly, and seeking opportunities to serve others. Building a strong spiritual foundation requires dedication and a willingness to align your life with biblical principles."

FontFamily="Poppins"
FontSize="16"
TextColor="#000000"
Margin="5,0,20,10" />

<Label Text="4. How can I defend my faith in challenging situations or conversations?"

FontFamily="Poppins"
FontSize="18"
TextColor="#000000"
Margin="5,0,20,5" />

<Label Text="Being well-versed in the Bible, staying informed about Christian apologetics, and practicing respectful dialogue are essential. It's important to share your beliefs with love and humility, emphasizing the transformative power of your faith and personal relationship with Jesus."

FontFamily="Poppins"
FontSize="16"
TextColor="#000000"
Margin="5,0,20,10" />


```
<Label Text="5. How can I effectively share my faith with  
others?"
```

```
    FontFamily="Poppins"  
    FontSize="18"  
    TextColor="#000000"  
    Margin="5,0,20,5" />
```

```
<Label Text="Sharing your faith involves living a Christ-like  
life, demonstrating love and kindness, and being prepared to  
articulate the Gospel. Be attentive to others' needs, share your  
personal testimony, and invite them to experience the hope and joy  
you have found in Christ."
```

```
    FontFamily="Poppins"  
    FontSize="16"  
    TextColor="#000000"  
    Margin="5,0,20,10" />
```

```
<Label Text=""
```

```
    FontFamily="Poppins"  
    FontSize="18"  
    TextColor="#000000"  
    Margin="5,0,20,5" />
```

```
<!-- Clickable Mobile Number -->
```

```
<Label Text="Call us at: +1 (123) 456-7890"
```

```
    FontFamily="Poppins"  
    FontSize="18"  
    TextColor="Blue"  
    Margin="5,20,5,0">
```

```
<Label.GestureRecognizers>
```

```
    <TapGestureRecognizer Command="{Binding CallCommand}" />
```

```
</Label.GestureRecognizers>
```

```
</Label>
```

```
<!-- Clickable Email Address -->
```

```
<Label Text="Email us at: info@example.com"
```

```
    FontFamily="Poppins"  
    FontSize="18"  
    TextColor="Blue"  
    Margin="5,5,5,20">
```

```
<Label.GestureRecognizers>
```

```
    <TapGestureRecognizer Command="{Binding EmailCommand}" />
```

```
</Label.GestureRecognizers>
```

```
</Label>
```

</StackLayout>

Labels with FAQs:

- There are several labels, each representing a question and its corresponding answer.
- The questions are formatted in a larger, bold font (size 18), and the answers are in a slightly smaller font (size 16).
- Each label has specified margins to control spacing.

Clickable Phone Number Label:

- A label is included with the text "Call us at: +1 (123) 456-7890."
- The text is styled in a blue color to indicate it is a clickable link.
- A TapGestureRecognizer is added to this label, binding it to a command named "CallCommand." This suggests that clicking the label will trigger the execution of the "CallCommand."

Clickable Email Address Label:

- Another label is included with the text "Email us at: info@example.com."
- Similar to the phone number label, the email label is styled in blue.
- A TapGestureRecognizer is added to this label, binding it to a command named "EmailCommand." Clicking the label will execute the "EmailCommand."

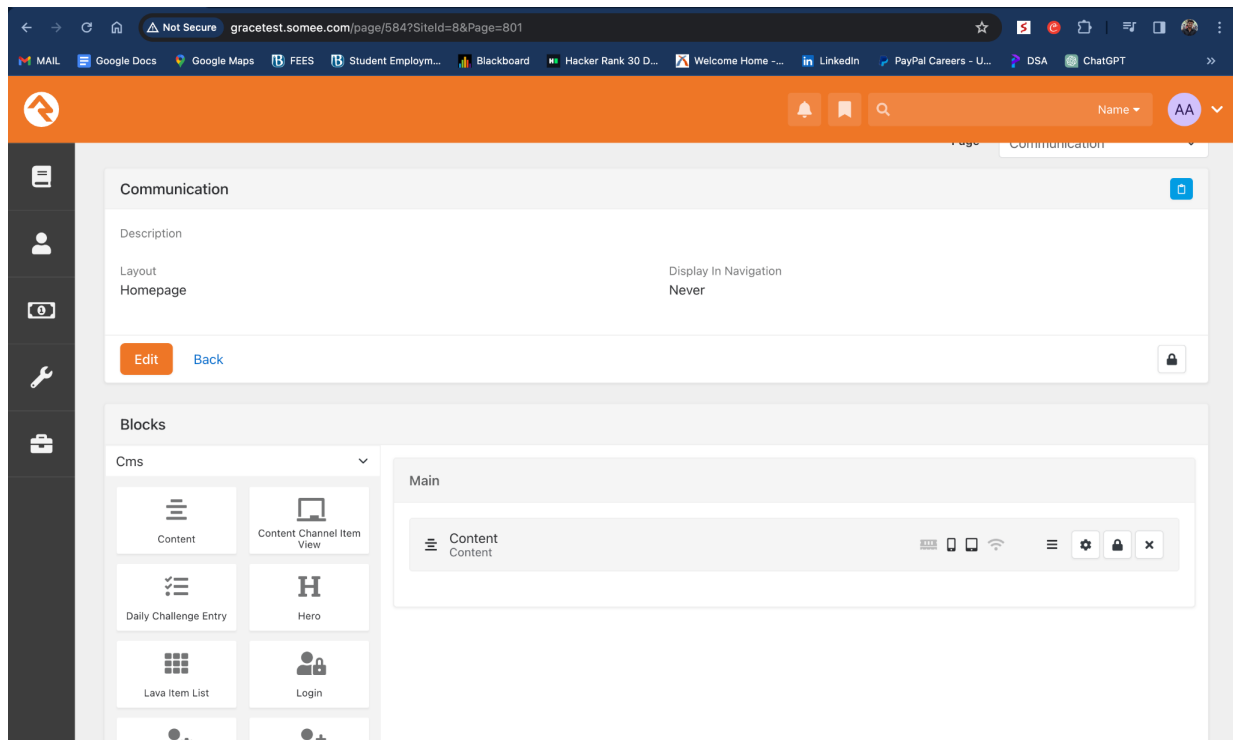
Overall Layout Structure:

- The StackLayout is used to vertically stack the various labels, creating a simple and organized FAQ section.
- The labels are styled using the "Poppins" font family, and the text color for the non-clickable content is set to black (#000000).

Command Bindings:

- The TapGestureRecognizer on the clickable labels is bound to specific commands (CallCommand and EmailCommand). These commands are expected to be defined in the corresponding ViewModel or code-behind, and they will be executed when the user taps on the associated labels.
-

COMMUNICATIONS PAGE:



The below code and explanation are of the block “Content” :

```
<StackLayout>
```

```
    <Label Text=""
          FontFamily="Poppins"
          FontSize="16"
          Margin="5,20,5,0" />
```

```
    <Label Text=""
          FontFamily="Poppins"
          FontSize="16"
          Margin="5,20,5,0" />
```

```
    <!-- Communication Preference Picker -->
    <Label Text="Select Communication Preference:"
          FontFamily="Poppins"
          FontSize="16"
          Margin="5,20,5,0" />
```

```

<Picker x:Name="communicationPicker"
        Title="Select Preference"
        FontFamily="Poppins"
        FontSize="16"
        TextColor="white"
        Margin="5,0,5,20">
    <Picker.ItemsSource>
        <x:Array Type="{x:Type x:String}">
            <x:String>Email</x:String>
            <x:String>Phone</x:String>
        </x:Array>
    </Picker.ItemsSource>
</Picker>

</StackLayout>

```

Labels with Empty Text:

- Two Label elements are included with an empty text value. These labels may be intended as placeholders or separators in the layout.
- Both labels are styled using the "Poppins" font family, with a font size of 16. They have top margins of 20 units.

Communication Preference Picker:

- A Label is included with the text "Select Communication Preference." This label serves as a heading for the subsequent Picker element.
- The label is styled with the "Poppins" font family, a font size of 16, and a top margin of 20 units.

Picker Element (<Picker>):

- The Picker element is used to provide a dropdown selection for communication preferences.
- It has the name "communicationPicker" for potential programmatic access.
- The Title property sets the default display text when no item is selected.
- The FontFamily, FontSize, and TextColor properties define the appearance of the picker.
- The Picker.ItemsSource is set to a collection containing two communication preference options: "Email" and "Phone."

Overall Layout Structure:

- The StackLayout is used to vertically stack the labels and the picker, creating a simple form-like structure.
- The labels provide spacing and serve as headers or separators within the layout.

