Cs106.2

Presenter Name : Mandeep Singh, sunny Ghandhi & William Giles

Agenda

Project Description
Timeline
Team Member& Responsibility
Description of project functionality with screenshots and code
Conclusion

Project Description

COVID-19 applications typically aim to provide a range of features, including:

Vaccination Certificate Access: Allow users to download and access their digital vaccination certificates, providing proof of their COVID-19 vaccination status.

Symptom Tracking: Enable users to log and track their symptoms, providing valuable data to health authorities for monitoring and managing the spread of the virus.

Testing Information: Provide information on nearby testing centers, testing availability, and guidance on how and when to get tested for COVID-19.

Health Guidelines and Updates: Disseminate accurate information, guidelines, and updates from health organizations to help users stay informed and follow recommended practices.

Objective: These objectives collectively contribute to promoting public health, managing the spread of COVID-19, and enhancing user safety during the pandemic.

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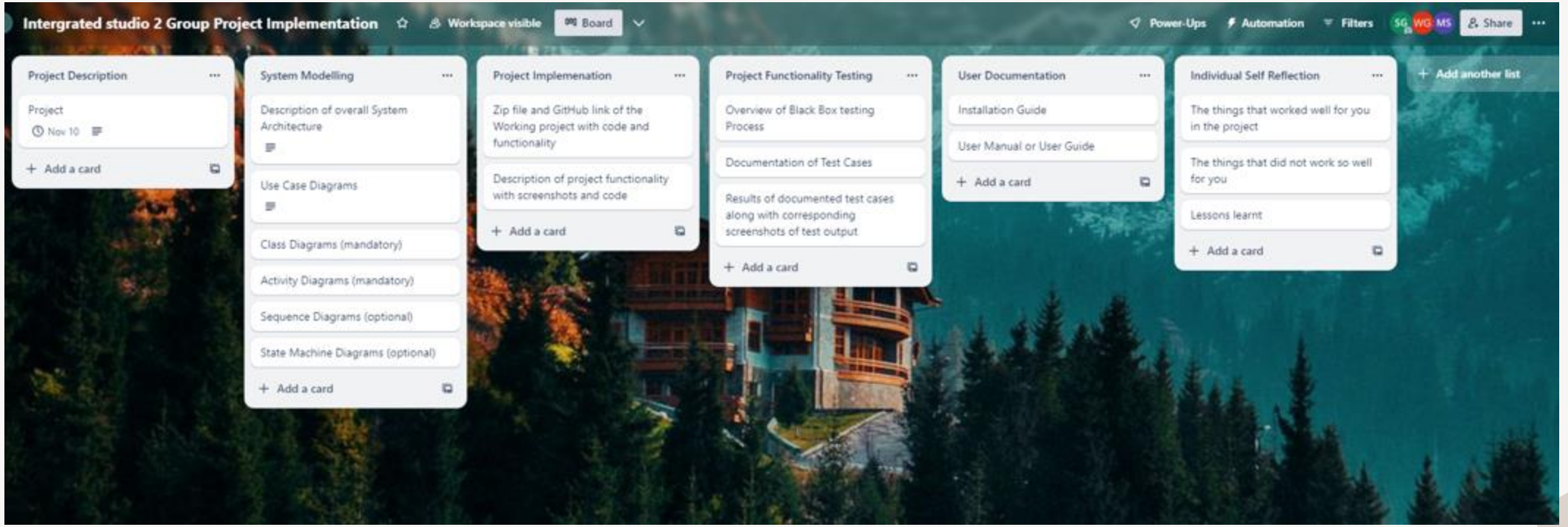
SUNNY

Timeline and Project Constraints

We want to be fast and accurate with our research. We have strict time management goals to ensure things get done on time. Our plan for the first week it to have the project description done by 10 November. We will be using Trello to manage our timeline and will set appropriate date and times to be able to complete our tasks.


Intergrated studio 2 Group Project Implementation
Workspace visible
Board
Power-Ups
Automation
Filters
Share
Project Description
Project
Nov 10
Add a card
System Modelling
Description of overall System Architecture
Use Case Diagrams
Class Diagrams (mandatory)
Activity Diagrams (mandatory)
Sequence Diagrams (optional)
State Machine Diagrams (optional)
Add a card
Project Implemenation
Zip file and GitHub link of the Working project with code and functionality
Description of project functionality with screenshots and code
Add a card
Project Functionality Testing
Overview of Black Box testing Process
Documentation of Test Cases
Results of documented test cases along with corresponding screenshots of test output
Add a card
User Documentation
Installation Guide
User Manual or User Guide
Add a card
Individual Self Reflection
The things that worked well for you in the project
The things that did not work so well for you
Lessons learnt
Add a card
Add another list

Meet our team

Mandeep Singh

Xml & UI/Designer

Sunny Gandhi

Documentatior

William Giles

Coder

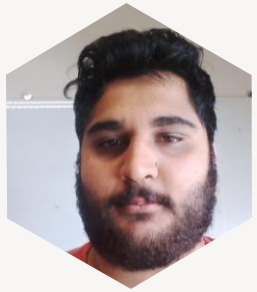
Team members &Their Roles

Mandeep Singh

Xml designer

Roles

- Tools , technologies used.
- Requirement specification
- Lo-fi Wireframes.
- Hi-fi Prototype.
- Project implementation .
- Designing our pages& presentation.
- Survey.
- .Xamls framework
- Software Process model used and justification.
- Project implementation.
- System Modelling.
- Coding on the xaml.cs file



Sunny Gandhi

Documentary

Roles

- Goals and objectives.

William

coder

Roles

- Requirement specification.
- Project implementation
- System Modelling.
- Coding on the xaml.cs file & Main Window.
- Timeline

Plan for Application launch

Planning

Objectives, features, design

Work

start work on our plan

Design

Design ,lo-fi ,hi-fi wireframes & xmls

Strategy

Foster Awareness superior methodologies

Launch

Deploy strategic networks with compelling e-business needs

Plan for product launch

Planning	Work	Design	Strategy	Launch
Objective: Clearly state the goal of the application, such as providing real-time COVID-19 information, tracking cases, or offering resources. Features: Outline the specific features your WPF framework will include, like data visualization, user authentication, and interaction User Interface Design: Describe the intended UI layout, color schemes, and any specific design considerations for a user-friendly and visually appealing experience. has context menu	**Define the project scope** :Clearly state the purpose and scope of the Covid19 application . **Identify Requirements**: List essential features and function based on user needs **Design UI:** Start work rough design on our wireframes to check how app look like that . After that we work on Ux & took interviews form's different individuals about our application design which is overall satisfy for everyone .Although I start work on hi-fi design	As we all know that design plays a very vital role to make any application and website . Create lo-fi and hi-fi wireframes	Public Awareness: Develop features that contribute to public awareness and education about COVID-19. Consider integrating informational resources and guidelines within the app. **Community Engagement:** •Foster community engagement by incorporating social features or forums. •Encourage users to share information and expe	Deploy strategic networks with compelling e-business needs

Tools

Word

Document outline with clear headings and subheadings.
Comprehensive project description, methodology, and achieved results.
Integration of visuals and diagrams to enhance the document's clarity and appeal.

GitHub

README file outlining project structure, dependencies, and usage instructions.

Collaboration guidelines and effective Git/GitHub usage.

Direct links to relevant code files and repositories.

Figma

Brief overview of the project and its purpose.
Step-by-step guide on creating and utilizing the prototype in Figma.
Visual aids like screenshots to enhance understanding.
Figma for template for creating our application

Trello

Project timeline with milestones, deadlines, and task breakdown.

Task categorized and assigned with a visual progress tracker.

Integration of Trello board to GitHub for seamless project management

Visual Studio

We are using Visual studio for code . As all that , Visual Studio is a versatile and user-friendly integrated development environment (IDE) for coding. It offers features like code editing with syntax highlighting, debugging tools, project organization, version control integration, and various project templates. This IDE simplifies the coding process, making it efficient and productive for developers.

Areas of focus

Design

Responsive design : Optimize to accommodate the users accessing the site from smartphones.

User –friendly Navigation: Ensure easy navigation to key section like case updates, safety guidelines ,and vaccination resources.

Clear Information of Hierarchy: Arrange information logically, prioritizing critical details such as symptoms, prevention & vaccination information.

Features

Interactive Tools: Include tools such as symptoms checkers, vaccination appointment locators .

Accurate &Reliable information: Ensure that all information presented up-to-date, accurate.

How we get there

Figma

Brief overview of the project and its purpose. Step-by-step guide on creating and utilizing the prototype in Figma. Visual aids like screenshots to enhance understanding. Figma for template for creating our application

C# LANGUAGE

- Pursue scalable customer service through sustainable strategies
- Engage top-line web services with cutting-edge deliverables

Supply chains

- Cultivate one-to-one team members with robust ideas & collaborate the project we use GitHub

Sunny

Problems we face

C# Language:

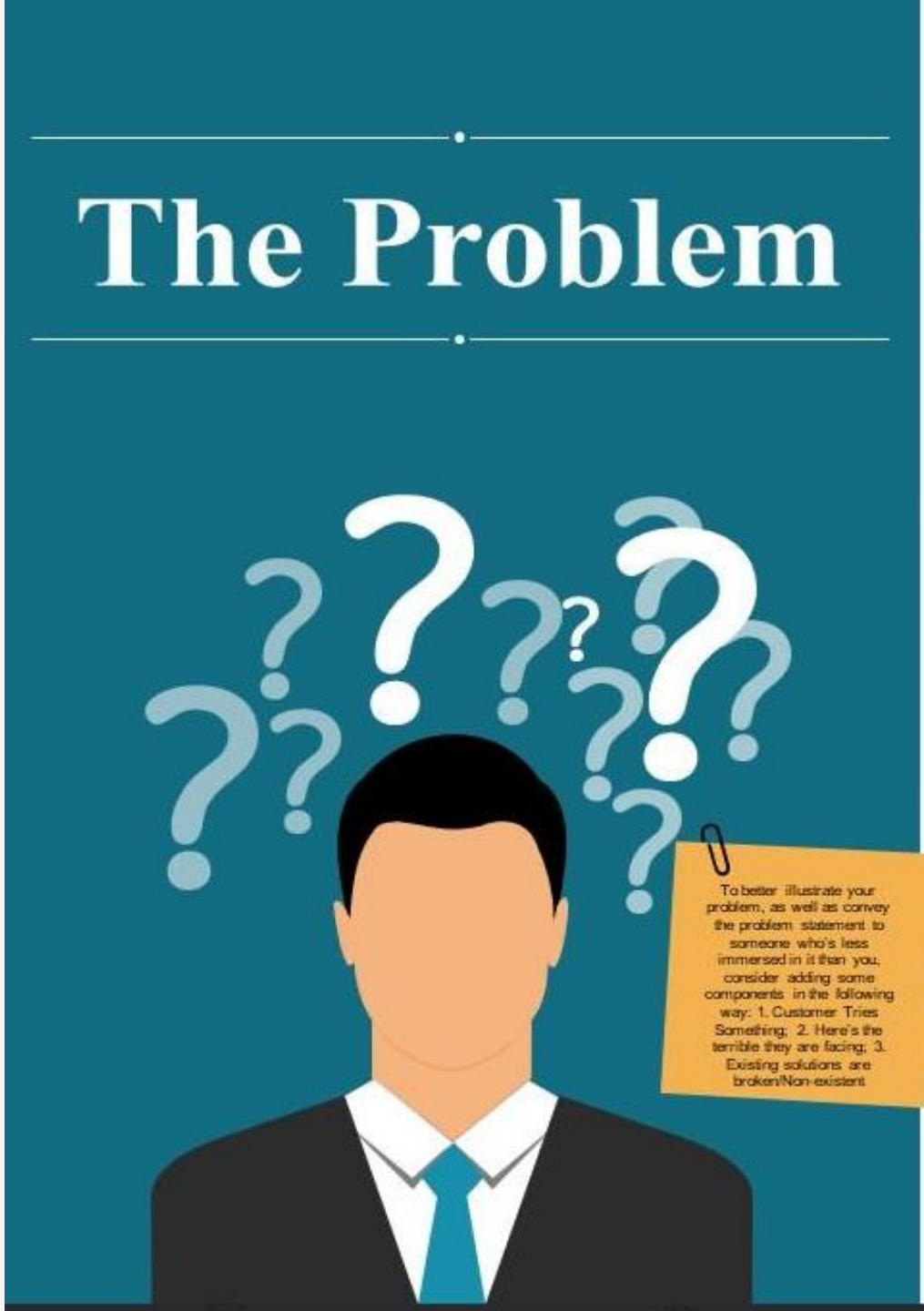
Difficulty navigating and implementing solutions in the C# programming language.

Relative Image Paths:

Challenges with defining and maintaining correct relative paths for images within the website structure.

Timeline Constraints: Pressure and difficulties adhering to the original project timeline.

Mandeep



Improvise Adapt Overcome

In overcoming challenges faced in our COVID-19 website project, we express gratitude to our teacher, Lawrence, for teaching C# and providing instructional videos. We've embraced Visual Studio for coding and design, leveraging these resources to navigate complexities and enhance our project development

What we learn in this project

New Language (C#):

Gained proficiency in a new programming language, C#, expanding our technical skill set.

XML Framework:

Explored and implemented the XML framework, broadening our understanding of data structuring.

Teamwork and Collaboration:

Developed skills in teamwork and collaboration, fostering effective communication and coordination among team members.

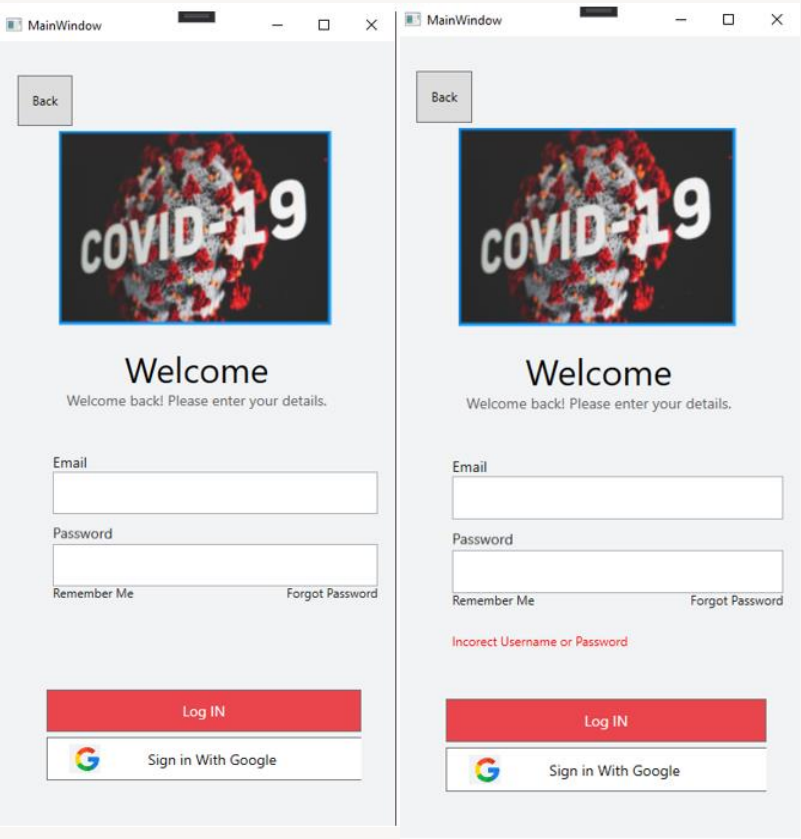
New Tools (GitHub, Trello):

Utilized new tools such as GitHub for version control and

Utilized new tools such as GitHub for version .Utilized new tools such as GitHub for version control and collaborative coding and Trello for project management, enhancing our project organization and efficiency.

Mandeep

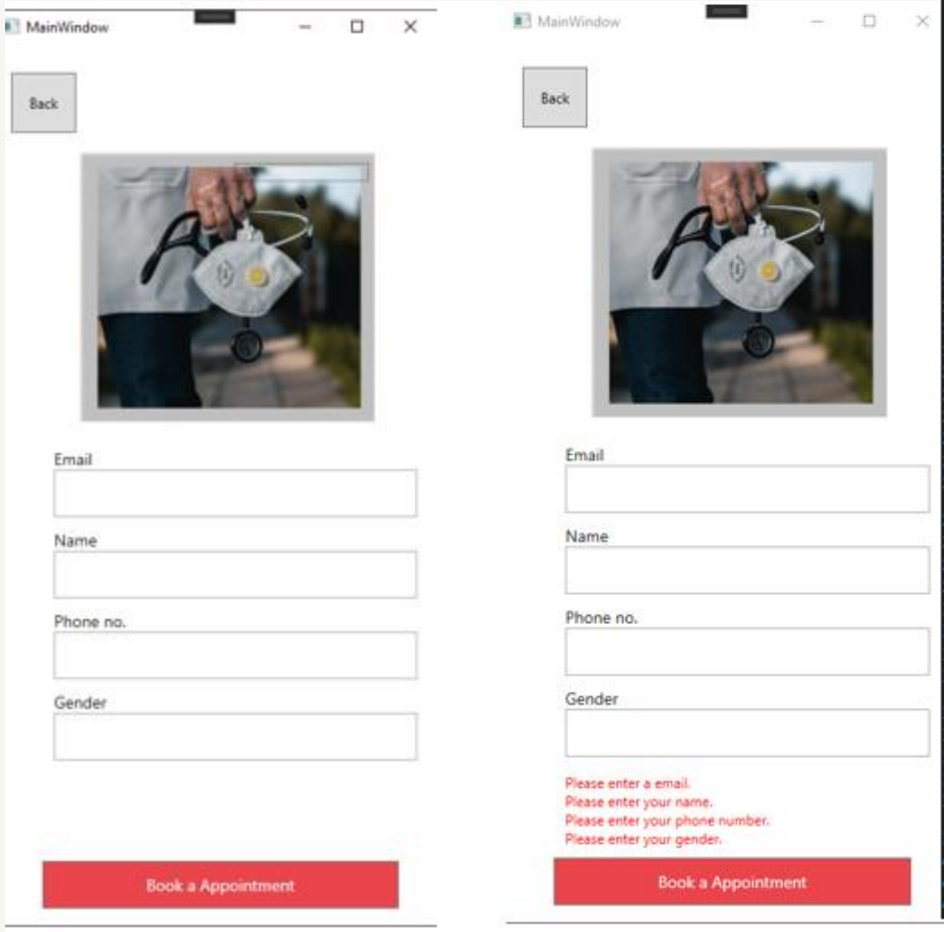
Xml Design &coding




```
using Dapper;
using System;
using System.Collections.Generic;
using System.Data;
using System.Data.SQLite;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System.Windows.Media.Imaging;
using System.Windows.Navigation;
using System.Windows.Shapes;



namespace Group_Project_106._2
{
    /// <summary>
    /// Interaction logic for Loginpage.xaml
    /// </summary>
    ///



    public delegate void LoginPageEvent();

    3 references
    public partial class Loginpage : UserControl
    {

        public event LoginPageEvent Destoryed;
```

```
1 reference
public Loginpage()
{
    InitializeComponent();
}

1 reference
private void BackBtn(object sender, RoutedEventArgs e)
{
    Destoryed?.Invoke();
}

1 reference
private void SubmitBtn(object sender, RoutedEventArgs e)
{

    User user = new User();

    user.username = username.Text;
    user.password = password.Text;


    using (IDbConnection connection = new SQLiteConnection(globals.source))
    {
        connection.Open();
        var x = connection.Query<User>("select * from Users WHERE username = mandeep");
        var y = x.ToList();

        bool loginSuccess = false;

        foreach (var item in y)
        {
            loginSuccess = user.match(item);

            if (loginSuccess)
            {
                globals.globalUser = item;
                loginStatusText.Foreground = Brushes.Black;
                loginStatusText.Text = "";

                Destoryed?.Invoke();

                break;
            }
        }
```

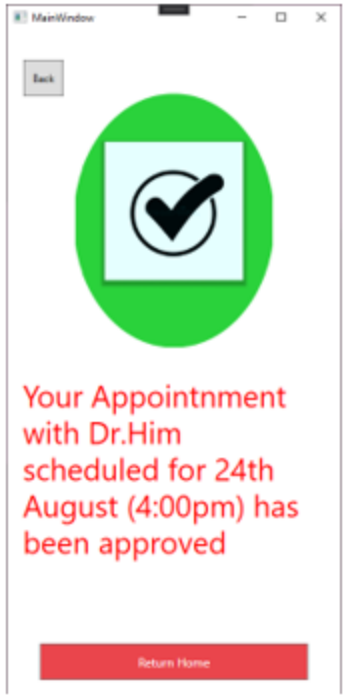
```
    if (!loginSuccess) {
        globals.globalUser = null;
        loginStatusText.Foreground = Brushes.Red;
        loginStatusText.Text = "Incorect Username or Password";

    }

    int stop = 0;
}
```



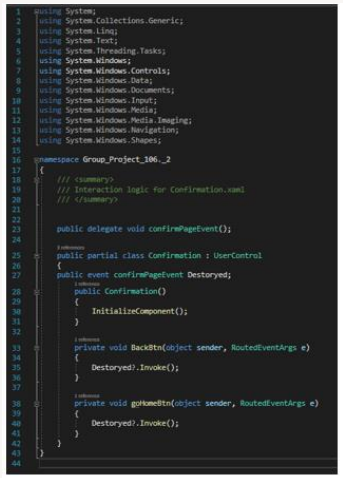
Appointment page with error message

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System.Windows.Media.Imaging;
using System.Windows.Navigation;
using System.Windows.Shapes;

namespace Group_Project_106._2
{
    /// <summary>
    /// Interaction logic for Appointment.xaml
    /// </summary>
    ///


    public delegate void appointmentPageEvent();

    3 references
    public partial class Appointment : UserControl
    {

        public event appointmentPageEvent Destoryed;
        public event appointmentPageEvent Booked;



        1 reference
        public Appointment()
        {
            InitializeComponent();
        }

        1 reference
        private void BackBtn(object sender, RoutedEventA
        {
            Destoryed?.Invoke();
        }
```

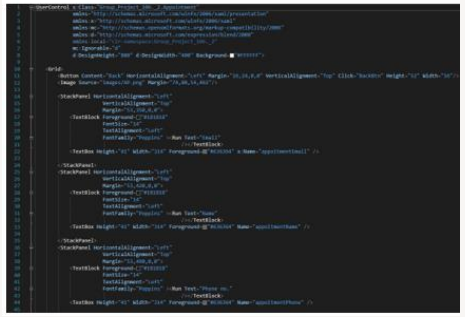
```
1 reference
private void BookedBtn(object sender, RoutedEventArgs e)
{
    String appoitmentEmailStr = appoitmentEmail.Text;
    String appoitmentNameStr = appoitmentName.Text;
    String appoitmentPhoneStr = appoitmentPhone.Text;
    String appoitmentGenderStr = appoitmentGender.Text;


    List<string> errors = new List<string>();

    if (appoitmentEmailStr == null || appoitmentEmailStr == "")
    {
        errors.Add("Please enter a email");
    }

    if(appoitmentNameStr == null || appoitmentNameStr == "")
    {
        errors.Add("Please enter your name");
    }

    if (appoitmentPhoneStr == null || appoitmentPhoneStr == "")
    {
        errors.Add("Please enter your phone number");
    }

    if (appoitmentGenderStr == null || appoitmentGenderStr == "")
    {
        errors.Add("Please enter your gender");
    }

    appoitmentErrorBox.Text = "";

    foreach (String error in errors)
    {
        appoitmentErrorBox.Text += error + ".\n";
    }

    if(errors.Count == 0) {
        Booked?.Invoke();
    }
```



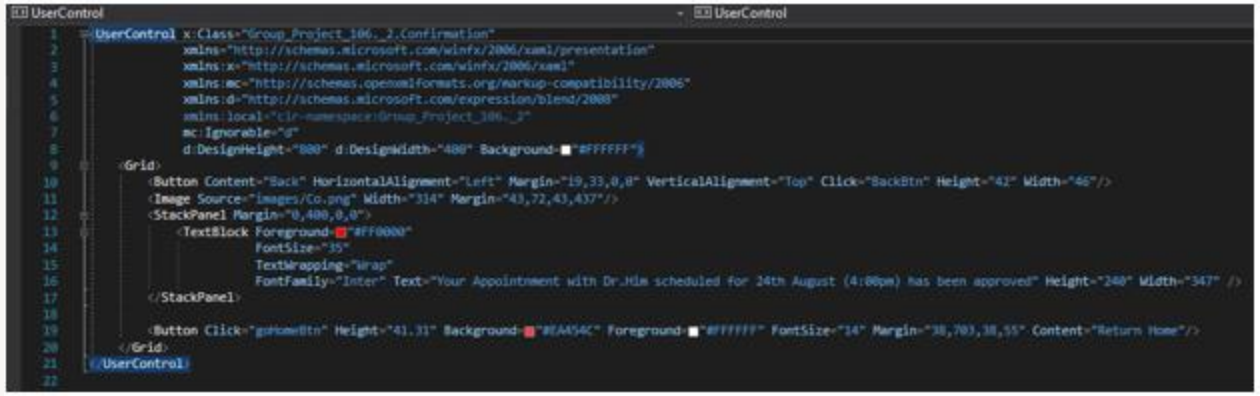
Confirmation page



Appointment. Xaml designer page



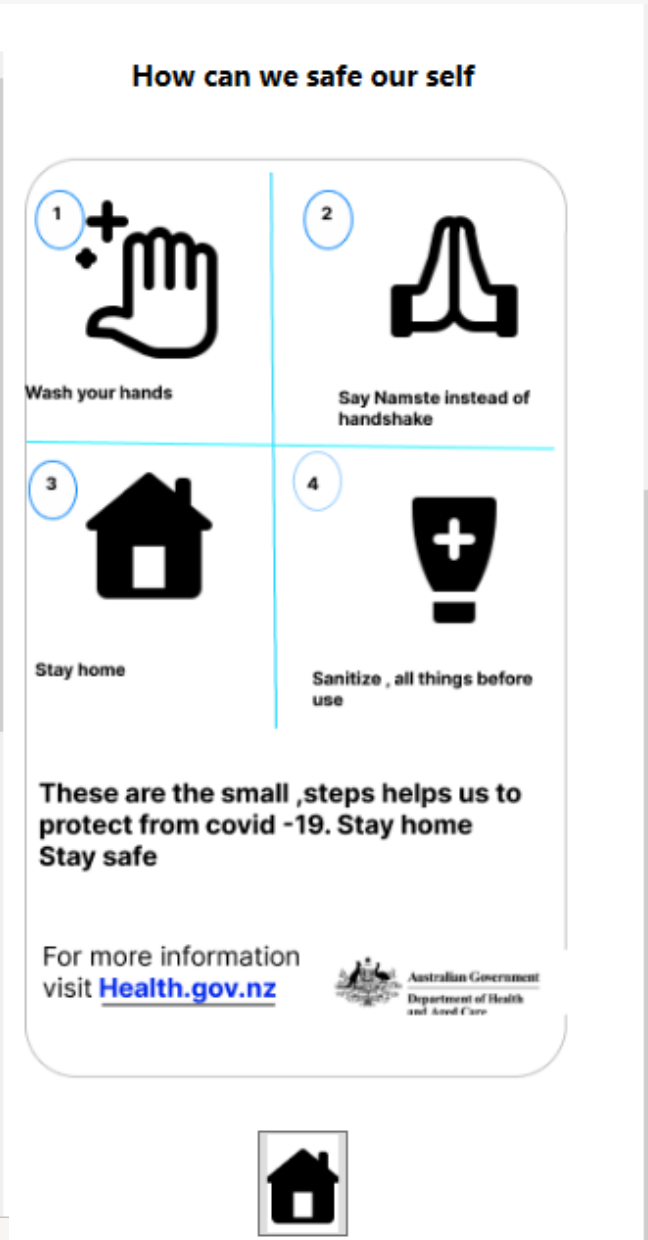
Confirmation. Xaml code

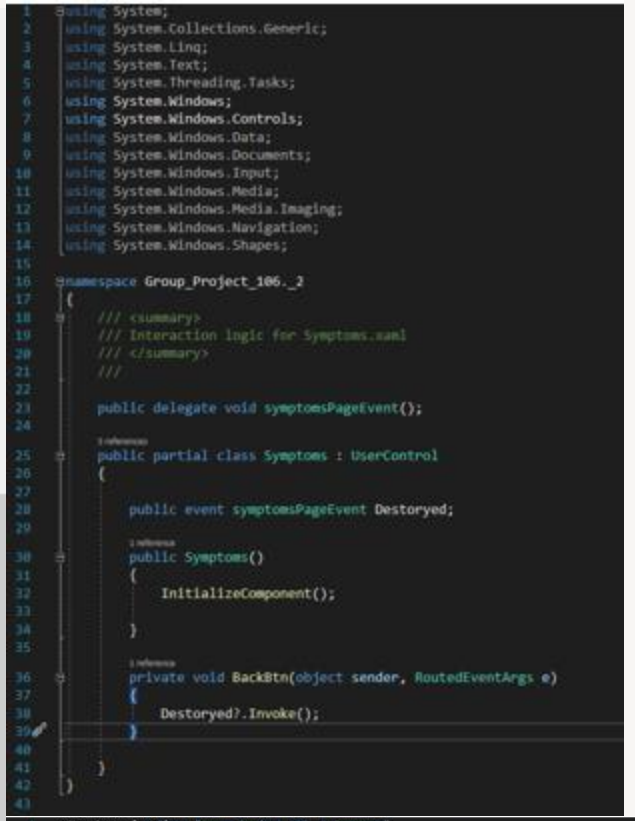


```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System.Windows.Media.Imaging;
using System.Windows.Navigation;
using System.Windows.Shapes;


namespace Group_Project_106._2
{
    /// <summary>
    /// Interaction logic for Qr_Code.xaml
    /// </summary>


    public delegate void qrPageEvent();


    public partial class Qr_Code : UserControl
    {
    public event qrPageEvent Destoryed;
        public Qr_Code()
        {
            InitializeComponent();
        }


        private void BackBtn(object sender, RoutedEventArgs e)
        {
            Destoryed?.Invoke();
        }
    }
}
```

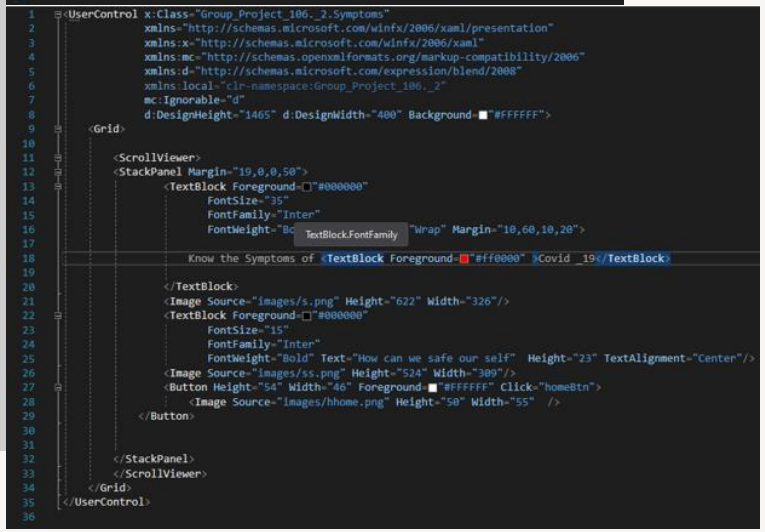
Qr code.xaml.CS

```
<UserControl x:Class="Group_Project_106._2.Qr_Code"
             xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
             xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
             xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
             xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
             xmlns:local="clr-namespace:Group_Project_106._2"
             mc:Ignorable="d"
             d:DesignHeight="800" d:DesignWidth="400" Background="#000000">
    <Grid>
        <TextBlock Foreground="#FFFFFF"
                   FontSize="30"
                   TextAlignment="Center"
                   FontFamily="Poppins" Margin="0,43,0,-43">
            <Run Text="Scan your QR Code"
                 /></TextBlock>
        <Button Content="Back" HorizontalAlignment="Left" Margin="19,33,0,0" VerticalAlignment="Top" Click="BackBtn" Height="41" Width="41"/>

        <Image Source="images/qr.png" Height="416.28" Width="397.28" Margin="0,114,-7,313"></Image>
        <StackPanel Margin="-10,636,10,-636">
            <Image Source="images/lens.png" Width="34" Height="33"/>
            <TextBox Height="75" Width="284" Foreground="#FEF8F8" Background="#829286" Text="                                    &#xA;
        </StackPanel>
    </Grid>
</UserControl>
```

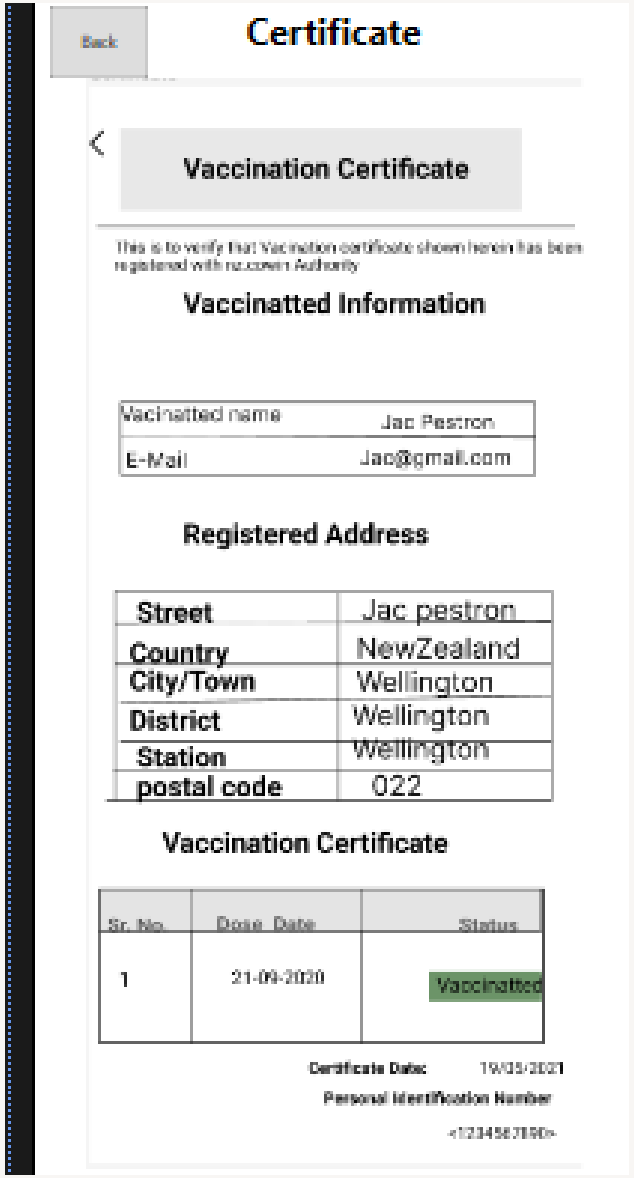




```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System.Windows.Media.Imaging;
using System.Windows.Navigation;
using System.Windows.Shapes;

namespace Group_Project_106._2
{
    /// <summary>
    /// Interaction logic for Symptoms.xaml
    /// </summary>
    ///

    public delegate void symptomsPageEvent();

    public partial class Symptoms : UserControl
    {

        public event symptomsPageEvent Destoryed;

        public Symptoms()
        {
            InitializeComponent();

        }

        private void BackBtn(object sender, RoutedEventArgs e)
        {
            Destoryed?.Invoke();
        }

    }
}
```



```
<UserControl x:Class="Group_Project_106._2.Symptoms"
             xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
             xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
             xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
             xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
             xmlns:local="clr-namespace:Group_Project_106._2"
             mc:Ignorable="d"
             d:DesignHeight="1465" d:DesignWidth="400" Background="#FFFFFF">
    <Grid>

        <ScrollViewer>
        <StackPanel Margin="19,0,0,50">
                <TextBlock Foreground="#000000"
                       FontSize="35"
                       FontFamily="Inter"
                       FontWeight="Bo                    "Wrap" Margin="10,60,10,20">
                    Know the Symptoms of <TextBlock Foreground="#ff0000" >Covid _19</TextBlock>

                </TextBlock>
                <Image Source="images/s.png" Height="622" Width="326"/>
                <TextBlock Foreground="#000000"
                       FontSize="15"
                       FontFamily="Inter"
                       FontWeight="Bold" Text="How can we safe our self"  Height="23" TextAlignment="Center"/>
                <Image Source="images/ss.png" Height="524" Width="309"/>
                <Button Height="54" Width="46" Foreground="#FFFFFF" Click="homeBtn">
                    <Image Source="images/hhome.png" Height="50" Width="55"  />
            </Button>


        </StackPanel>
        </ScrollViewer>
    </Grid>
</UserControl>
```



New Covid-19 Cases List

NO.	City	Cases	Alerts
1	Wellington	1000	Safe
2	Auckland	1000	Dangerous
3	Christchurch	100	Safe
4	Tauranga	100000	Dangerous
5	Dunedin	500	Safe
6	Hamilton	100000	Dangerous
7	Canterbury	1500	Safe
8	Nelson	600	Safe
9	Napier	20	Safe
10	Queenstown	1000	Dangerous
11	Lower hutt	1000	Dangerous
12	Timaru	1200	Safe
13	Palmeston North	200	Safe
14	Hastings	5000	Dangerous
15	Poriua	120	Safe

Live preview

https://github.com/DCRalph/Group-Project-106.2

Thank you

Mandeep Singh
270294907@yoobee.com