Project work 2

At the beginning of our courses, I must admit that the C# language was entirely foreign to me. With no prior experience, every new concept posed a challenge for me. However, I tried to adapt, making an effort to grasp the fundamental concepts of the language.

Despite my efforts, I currently find myself faced with a task that far exceeds my current skills. The task, "As an UNDAC Team Leader, I want to view an overall status map of the area so that I can react to changing events," seems to be too hard.

I found several separate codes that show:

- Showing the Map:

```
\\\xaml

<ContentPage ...
             xmlns:maps="clr-
namespace:Microsoft.Maui.Controls.Maps;assembly=Microsoft.Maui.Controls.Maps">
    <maps:Map x:Name="map" />
</ContentPage>



\\\xaml.cs

using Map = Microsoft.Maui.Controls.Maps.Map;

namespace WorkingWithMaps
{
    public class MapTypesPageCode : ContentPage
    {
        public MapTypesPageCode()
        {
            Map map = new Map();
            Content = map;
        }
    }
}
```

- Showing a Specific Location:

```
using Microsoft.Maui.Maps;
```

```
using Map = Microsoft.Maui.Controls.Maps.Map;
...

Location location = new Location(36.9628066, -122.0194722);
MapSpan mapSpan = new MapSpan(location, 0.01, 0.01);
Map map = new Map(mapSpan);
```

- Mooving the map:

```
using Microsoft.Maui.Maps;
using Microsoft.Maui.Controls.Maps.Map;
...

MapSpan mapSpan = MapSpan.FromCenterAndRadius(location,
Distance.FromKilometers(0.444));
map.MoveToRegion(mapSpan);
```

- Zooming the map:

```
double zoomLevel = 0.5;
double latlongDegrees = 360 / (Math.Pow(2, zoomLevel));
if (map.VisibleRegion != null)
{
    map.MoveToRegion(new MapSpan(map.VisibleRegion.Center, latlongDegrees,
latlongDegrees));
}
```

I have several pieces of information, but for the task, I always encounter one difficulty or another. I hope to be able to finish quickly.

In an attempt to progress, I tried to correct my teammates' codes using various online tools. Unfortunately, this approach proved ineffective, as I couldn't fully grasp the logic behind these solutions. As a result, I find myself unable to make a meaningful contribution to the team's progress.

I am aware of my current limitations, but I remain determined to learn.

Moreover, I reworked on my last code because there was an issue with the transcription of data into the database.

The problematic part of the code is:

```csharp
    internal static async Task RaiseAlert(string message, string sender, string
recipient)
        {
            var alert = new Alert
            {
                Message = message,
                Sender = sender,
                Recipient = recipient,
                Timestamp = DateTime.Now
            };

            await Database.InsertAsync(alert);
        }
```

I noticed that when clicking, nothing was happening in the database, and that my function was simply incorrect. Additionally, I suppose that the asynchronous method is not serving me. So, I modified the code as follows:

```csharp
  internal static Task RaiseAlert(string message, string sender, string recipient)
        {
            var alert = new Alert
            {
                Message = message,
                Sender = sender,
                Recipient = recipient,
                Timestamp = DateTime.Now
            };

             connection.Insert(alert);
        }
```