# From Figma to .NET MAUI: Transform Your Designs into XAML Code in Seconds

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**X -> @hprez**
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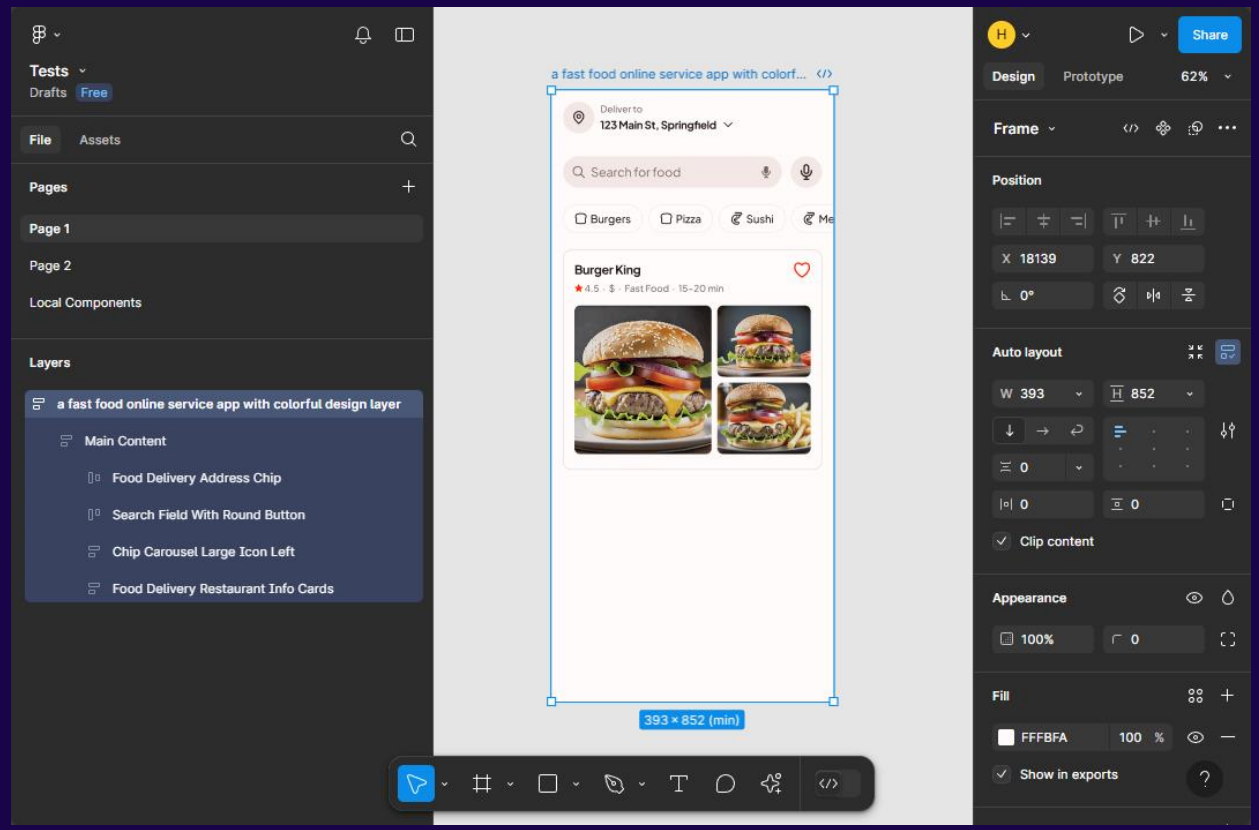
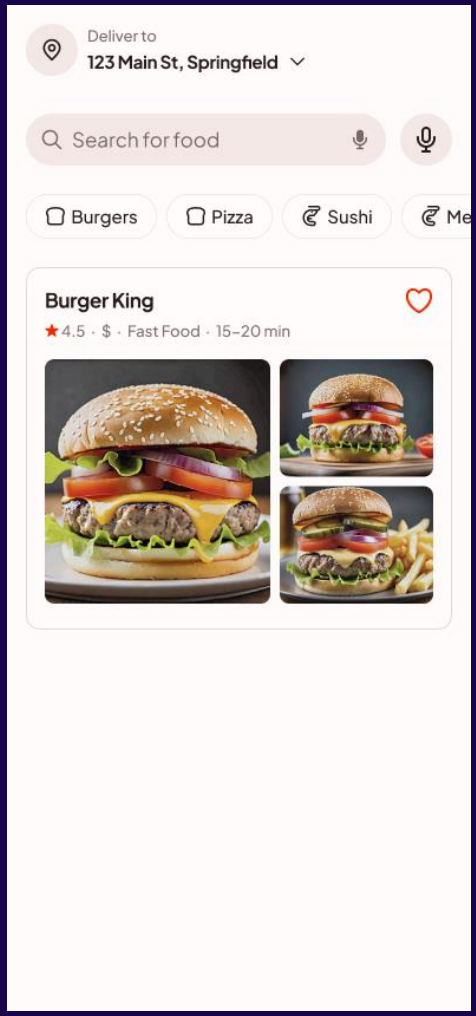
# Imagine being able to create and convert a Figma design in less than 10 minutes

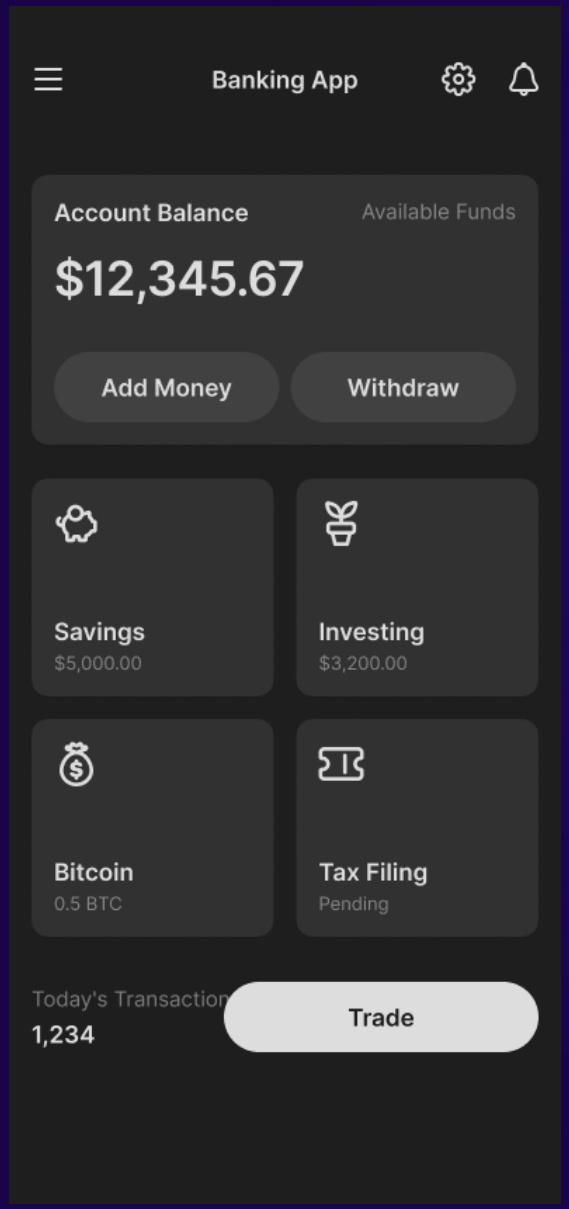


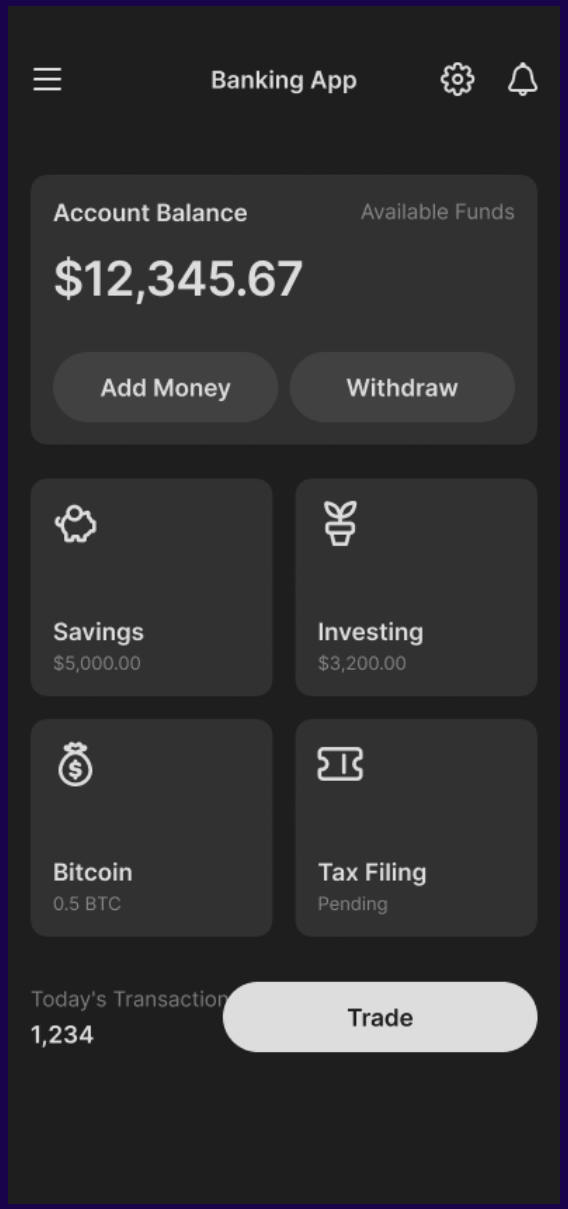
# Demo: Designing in Figma and converting it to XAML code seamlessly with XAMLIFY

# .NET 9 is the best version yet for working with XAMLIFY!

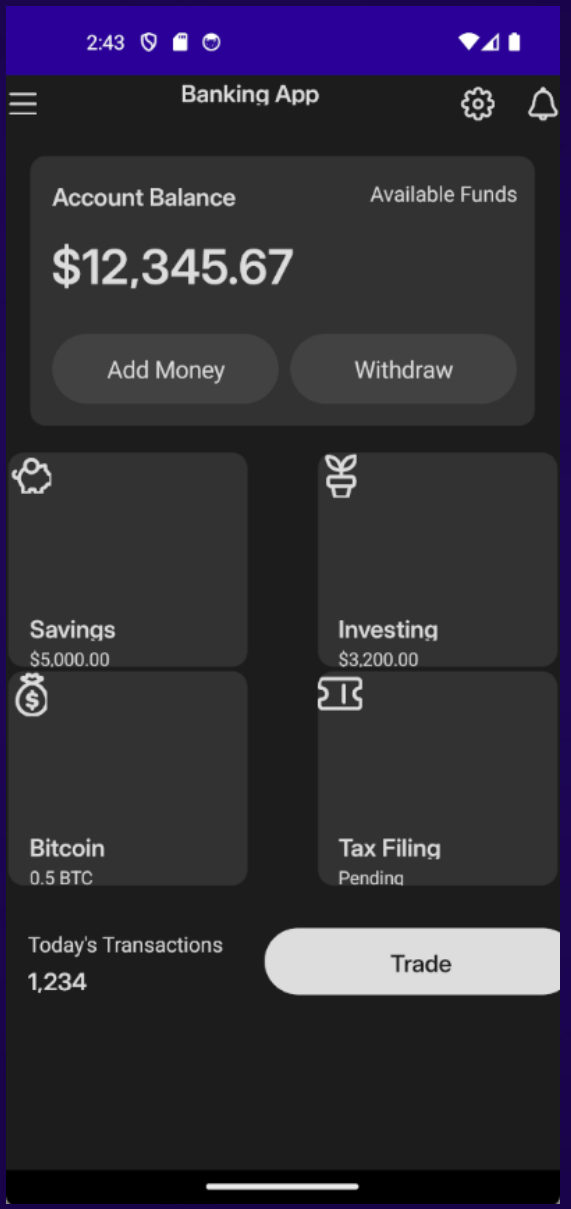
# Figma Design



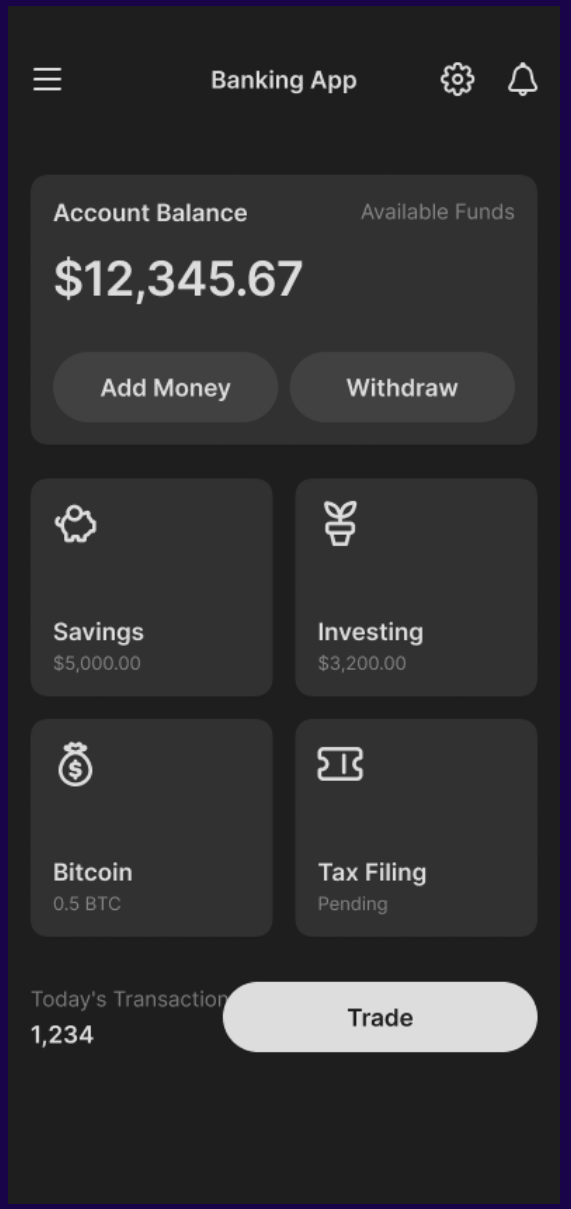
Figma Design



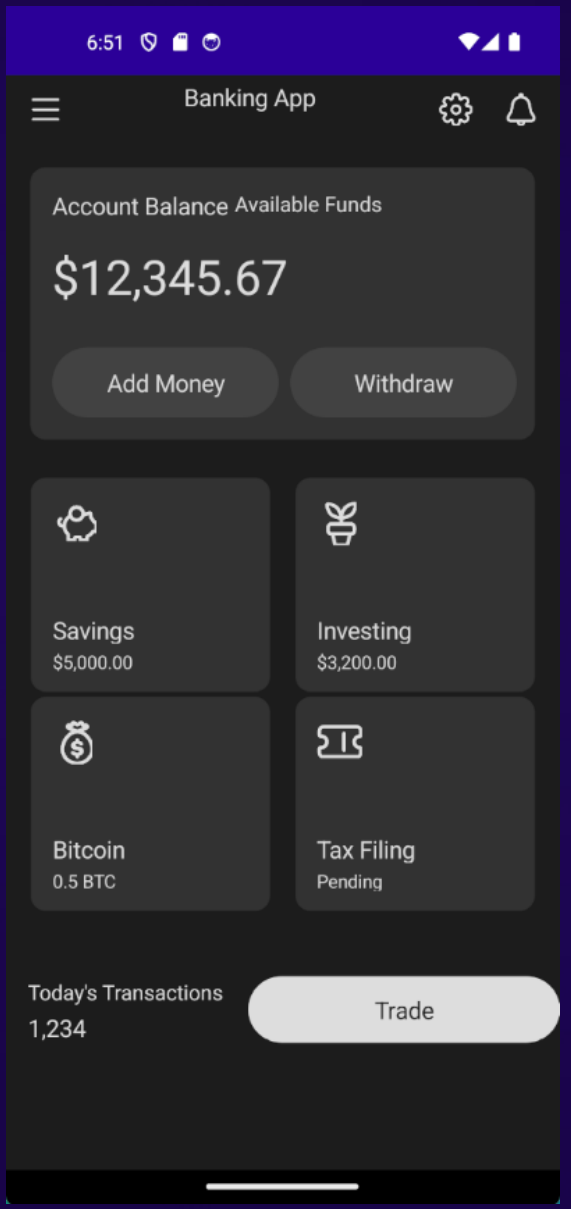

.NET 8



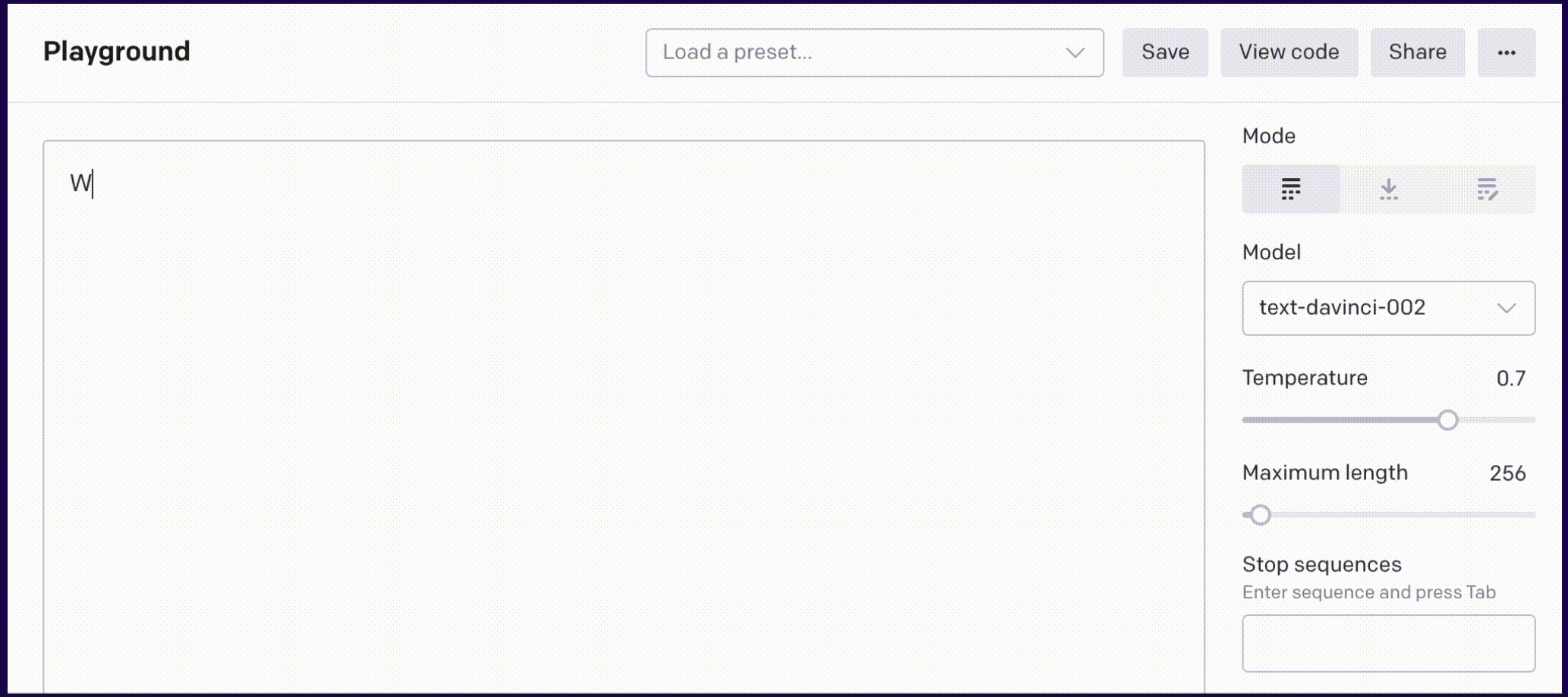
Figma Design



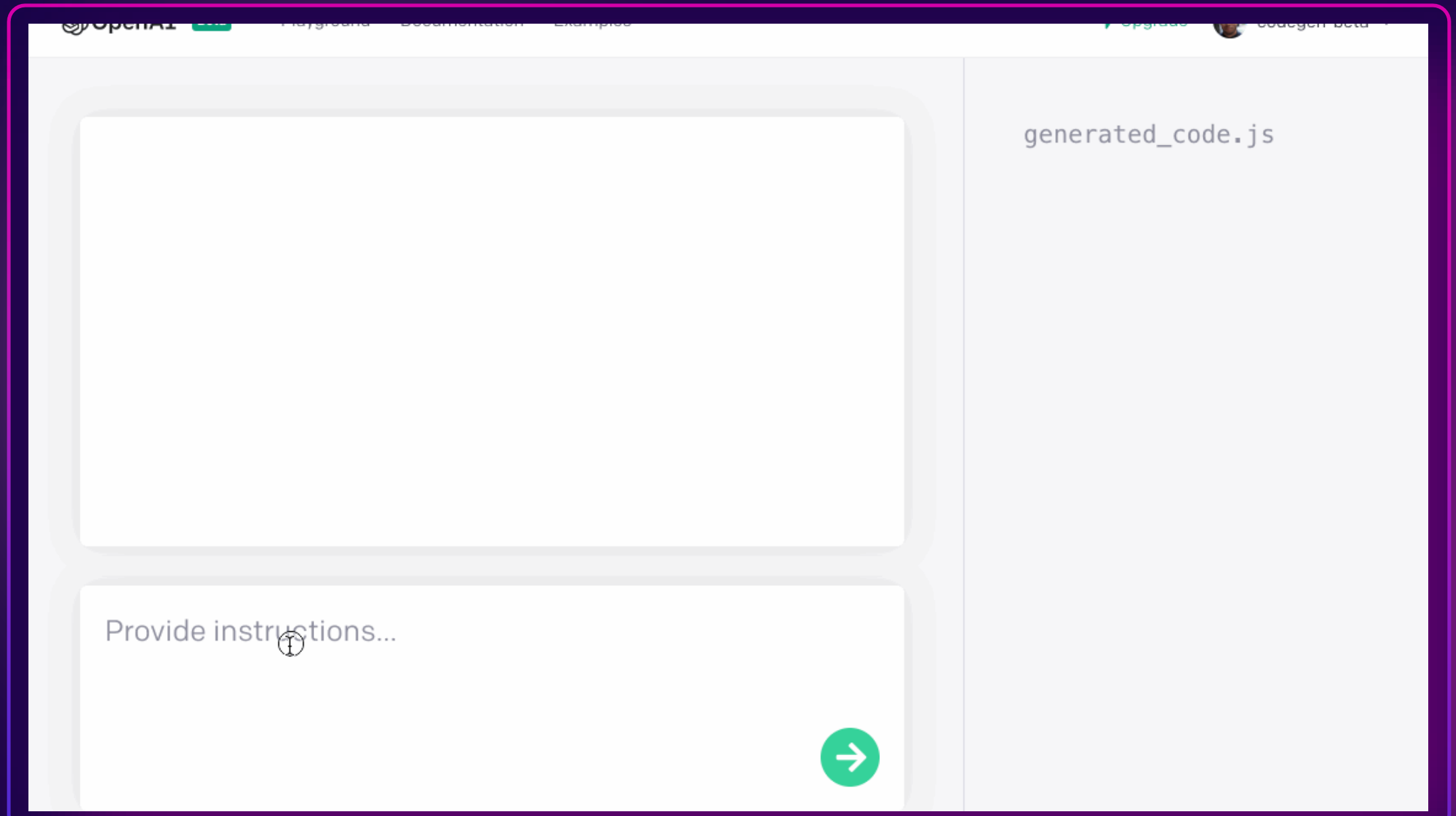

.NET 9



# My journey led me to create XAMLIFY, a tool that converts Figma designs to XAML code for .NET MAUI

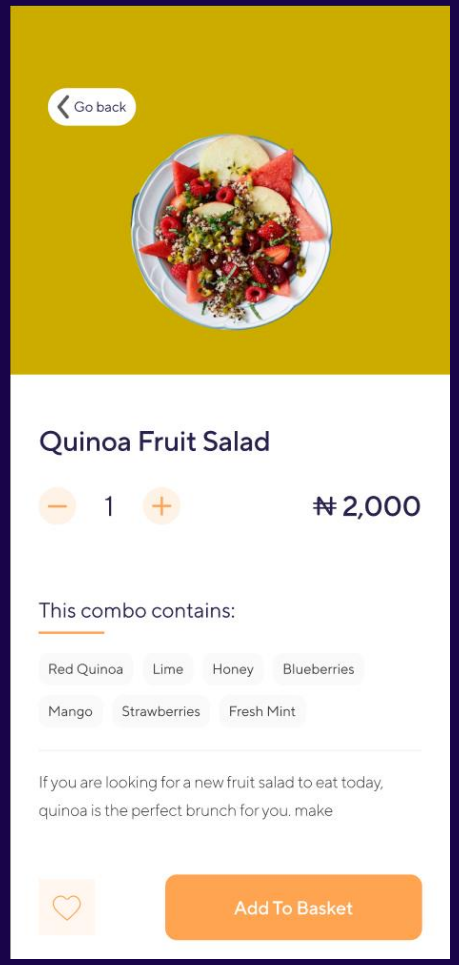



https://www.jonstokes.com/p/ai-content-generation-part-2-tasks




https://medium.com/qiskit/openai-codex-speaks-qiskit-723ff6254c68

# The ultimate goal was to convert Figma designs into XAML code




```xml
<?xml version="1.0" encoding="utf-8" ?>
<ContentPage
    x:Class="UserLocationSensorTests.MainPage"
    xmlns="http://schemas.microsoft.com/dotnet/2021/maui"
    xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml">

    <ScrollView>
        <VerticalStackLayout Padding="16" Spacing="16">
            <Button
                Command="{Binding RegisterCommand}"
                IsEnabled="{Binding IsNotBusy}"
                Text="Register for activity transition updates" />

            <Button
                Command="{Binding DeregisterCommand}"
                IsEnabled="{Binding IsNotBusy}"
                Text="Deregister for activity transition updates" />

            <Label IsVisible="{Binding HasActivity}" Text="{Binding CurrentActivity}" />

            <Label Text="{Binding IsRegistered, StringFormat='Registration Status: {0}'}" />
            <Label Text="{Binding IsBusy, StringFormat='Is Busy: {0}'}" />
```

Red Stapler

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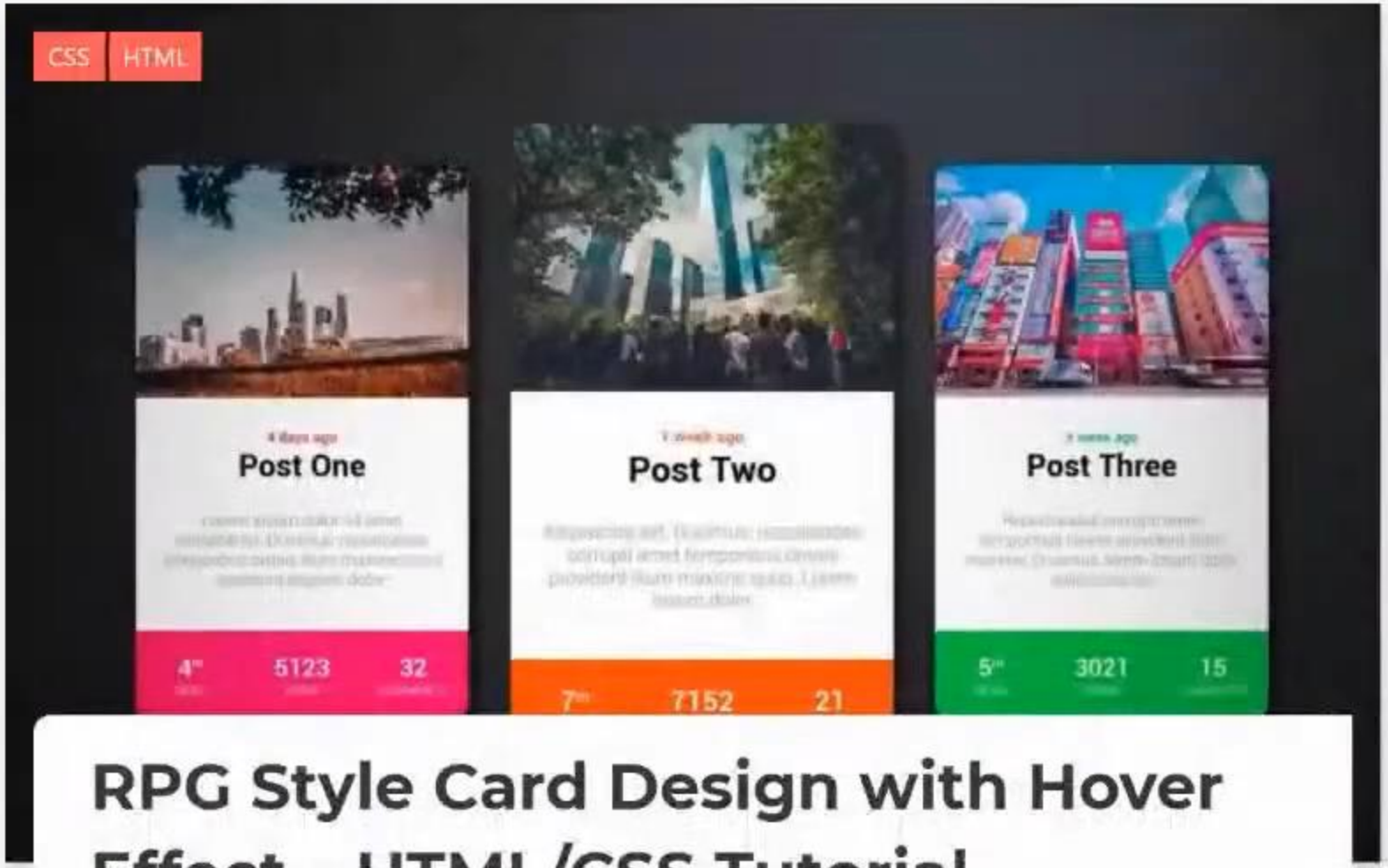


# RPG Style Card Design with Hover Effect – HTML/CSS Tutorial

December 28, 2020

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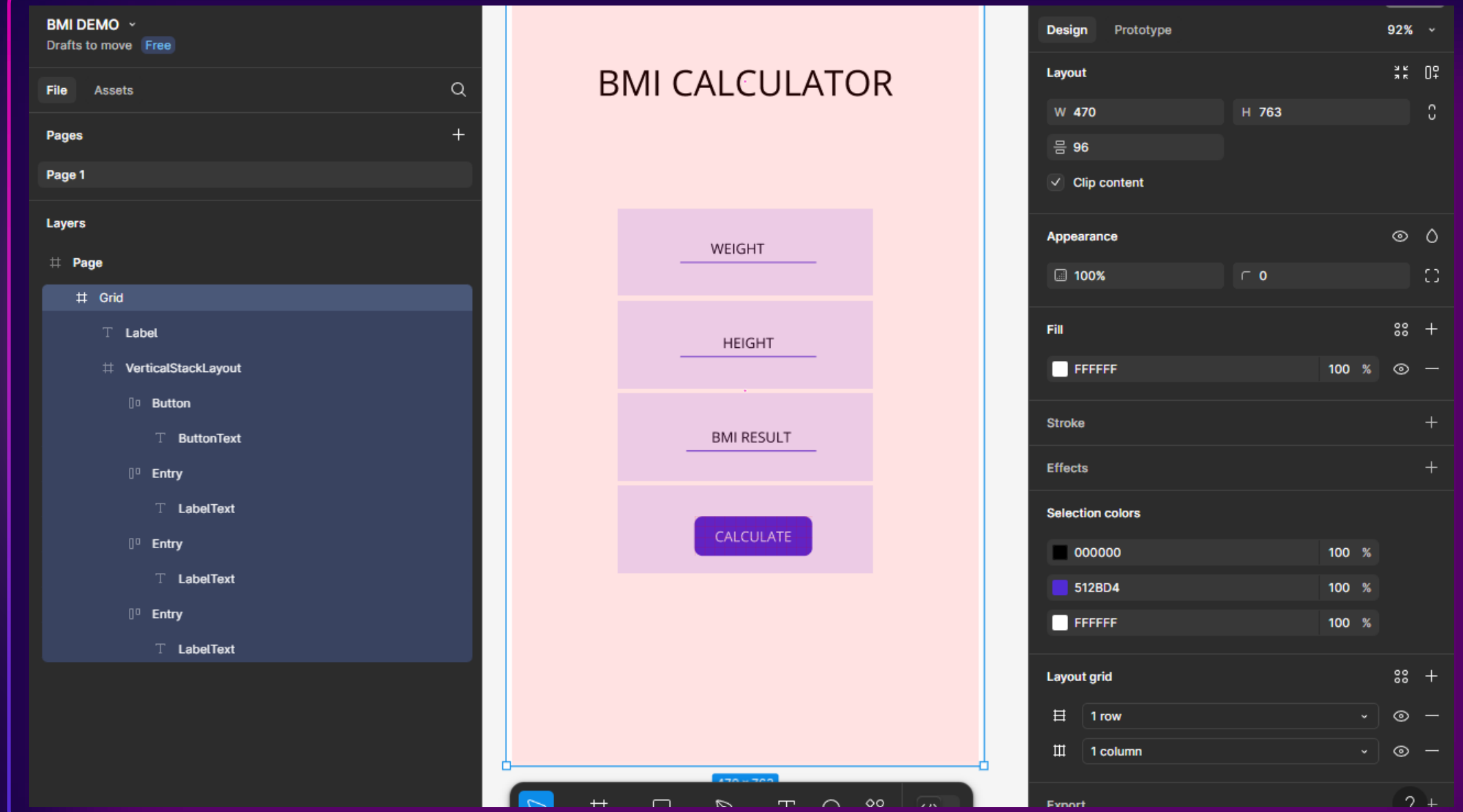
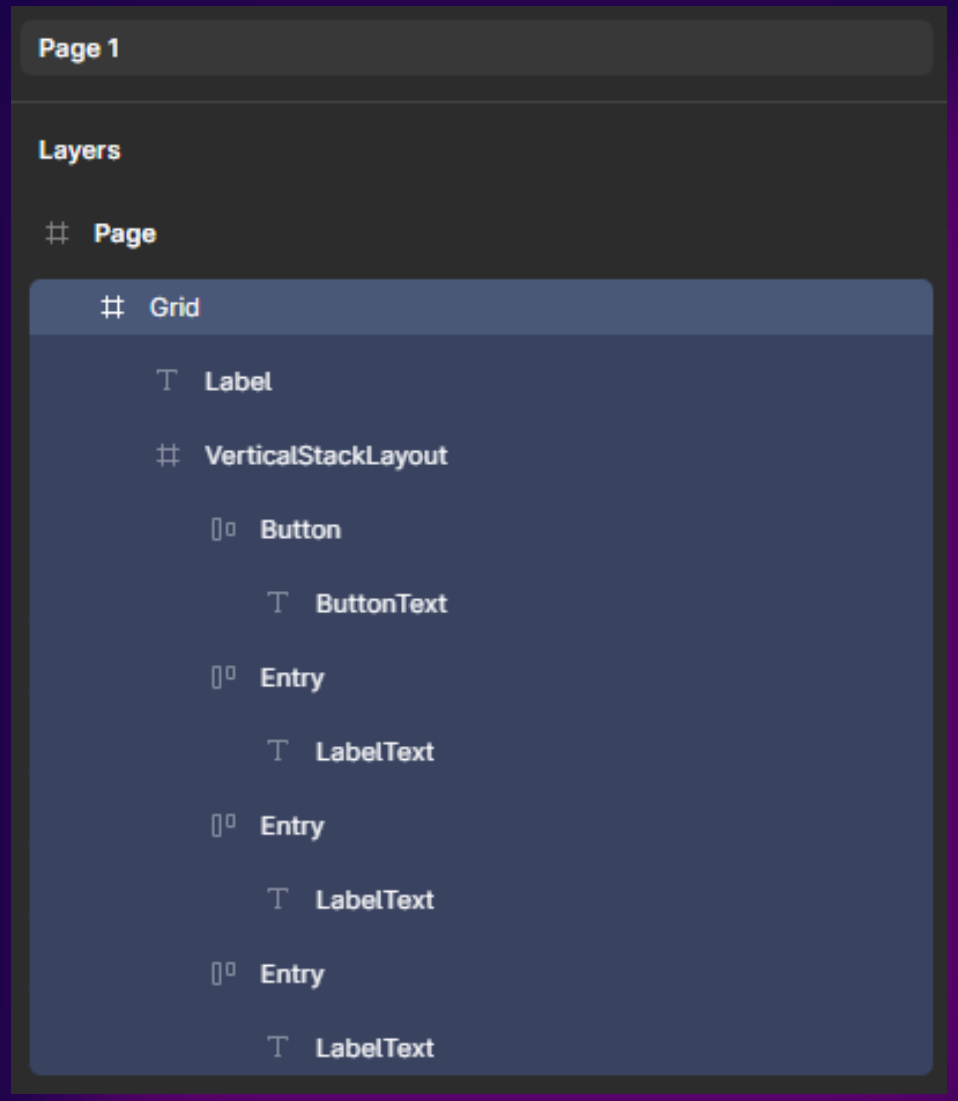
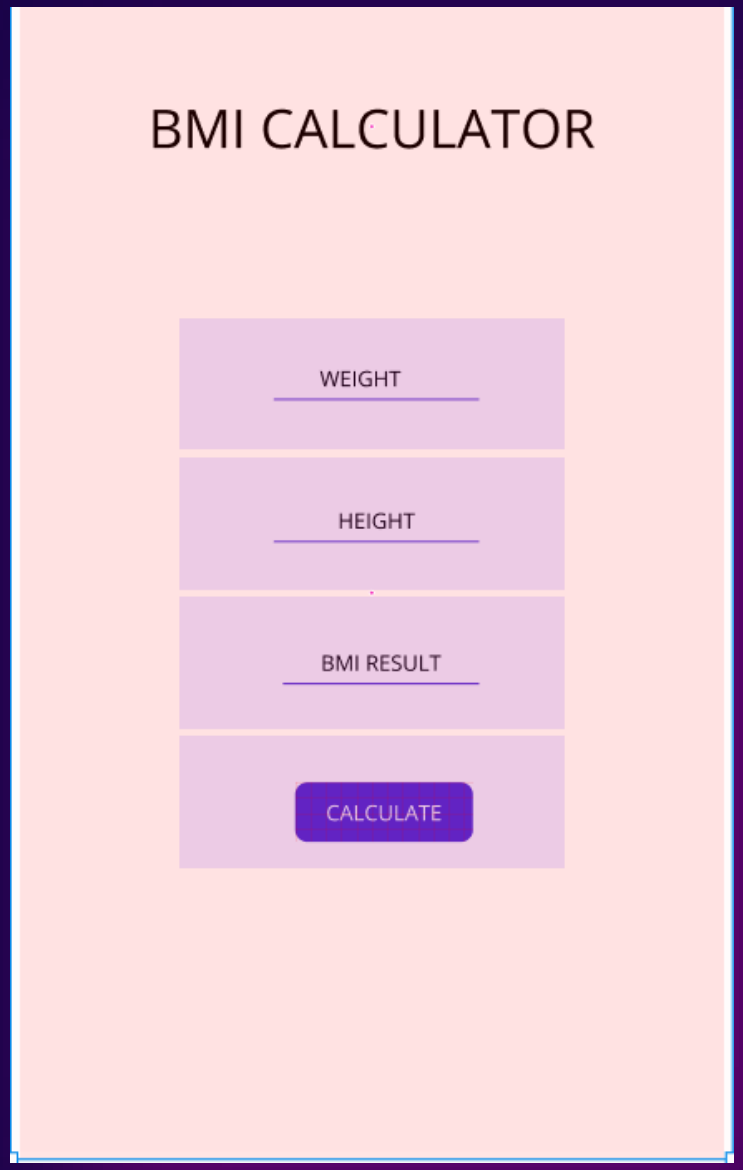
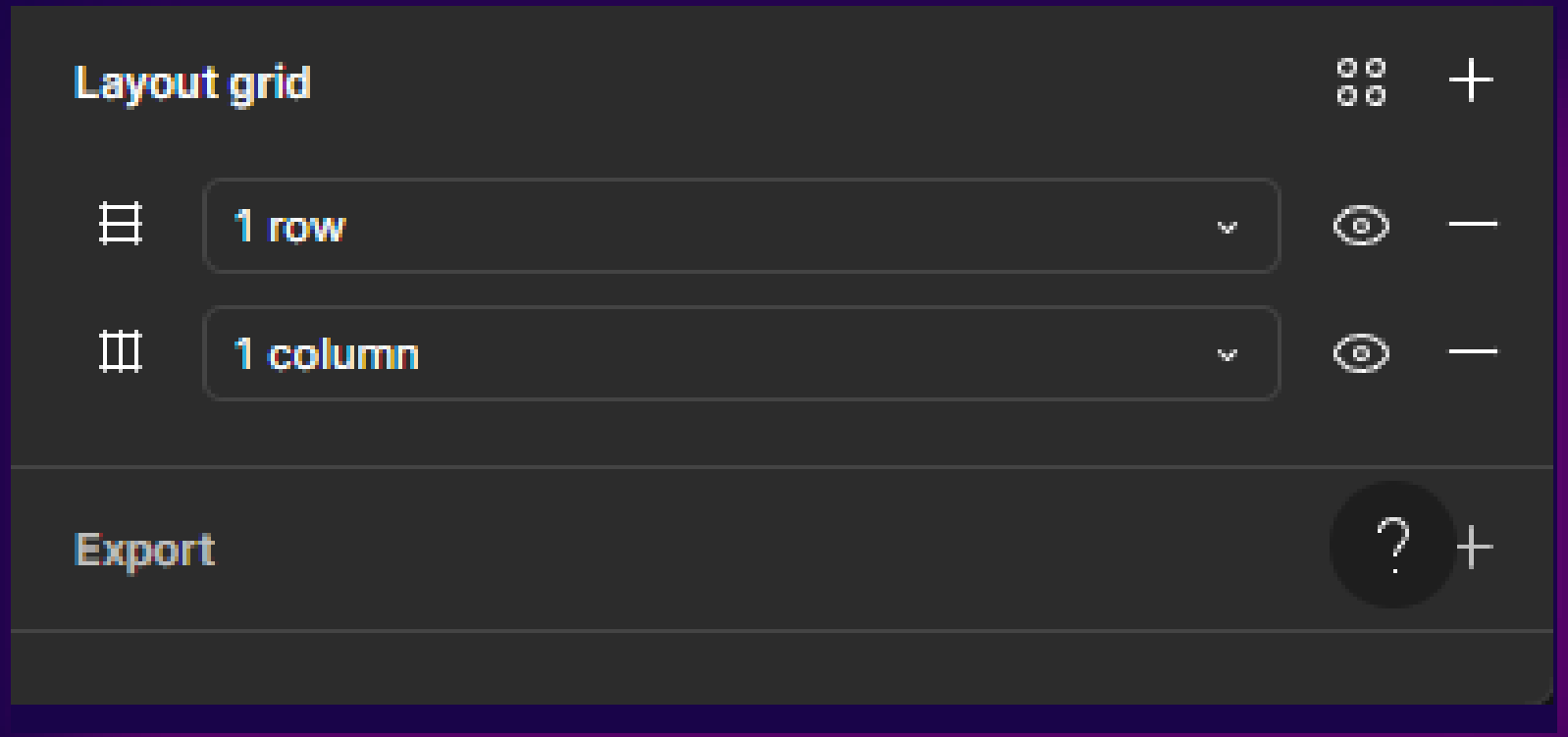
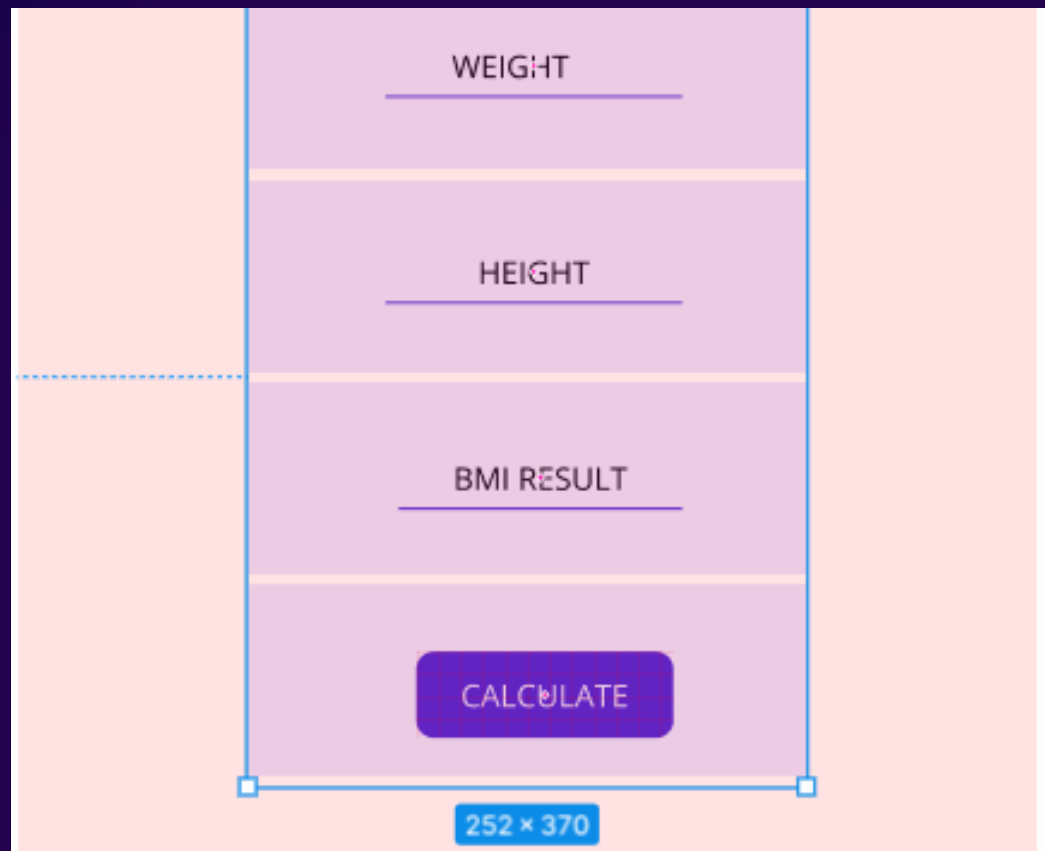

BMI DEMO
Drafts to move
Free
File
Assets
Pages
Page 1
Layers
Page
Grid
Label
VerticalStackLayout
Button
ButtonText
Entry
LabelText
Entry
LabelText
Entry
LabelText
BMI CALCULATOR
WEIGHT
HEIGHT
BMI RESULT
CALCULATE
Design
Prototype
92%
Layout
W 470
H 763
96
Clip content
Appearance
100%
0
Fill
FFFFFF
100 %
Stroke
Effects
Selection colors
000000
100 %
512BD4
100 %
FFFFFF
100 %
Layout grid
1 row
1 column
Export


Page 1
Layers
Page
Grid
Label
VerticalStackLayout
Button
ButtonText
Entry
LabelText
Entry
LabelText
Entry
LabelText


BMI CALCULATOR
WEIGHT
HEIGHT
BMI RESULT
CALCULATE


Layout grid
1 row
1 column
Export




Appearance

100%

0

Fill

FFFFFF 100 %

Stroke

Effects

Selection colors

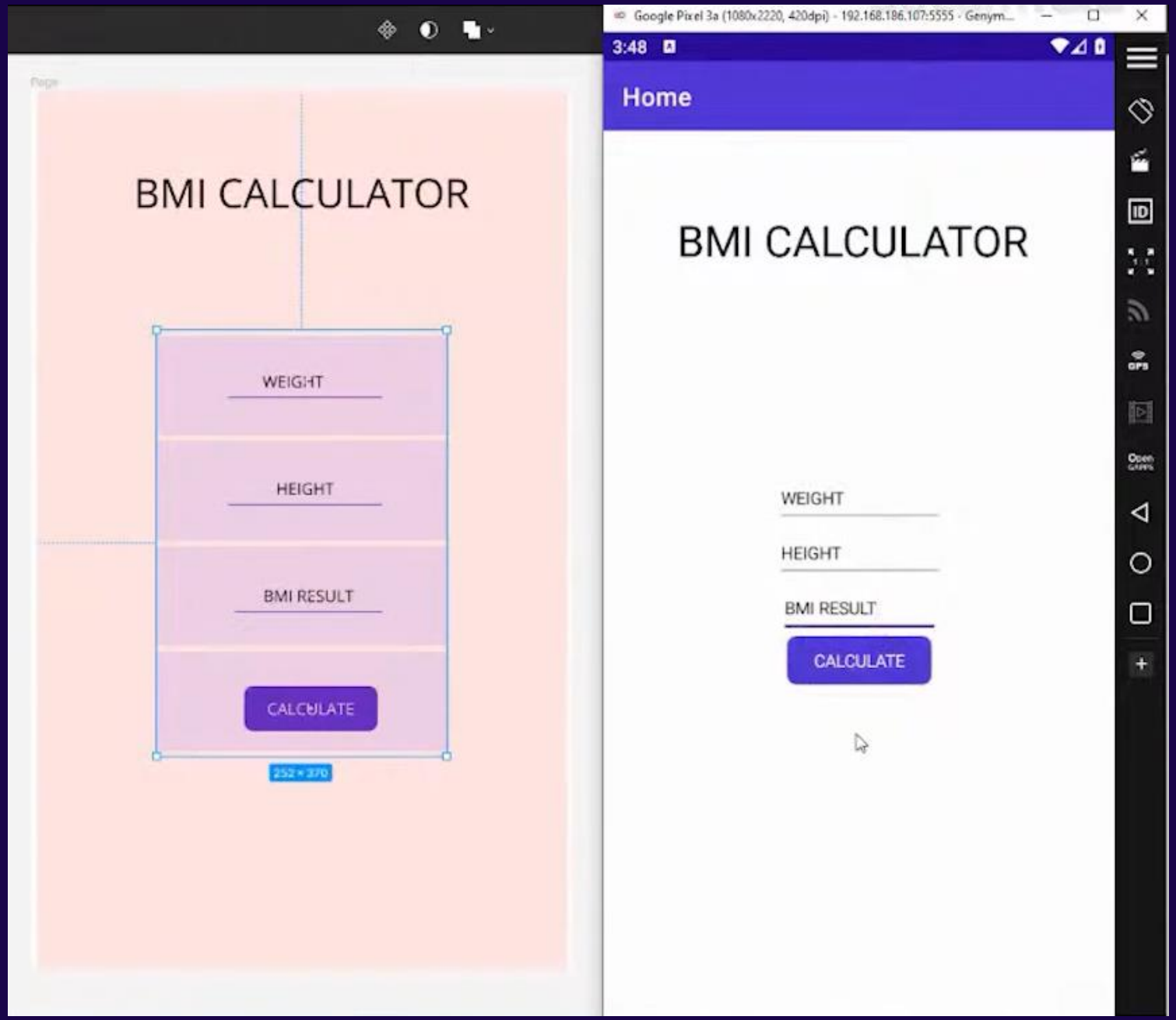
512BD4 100 %

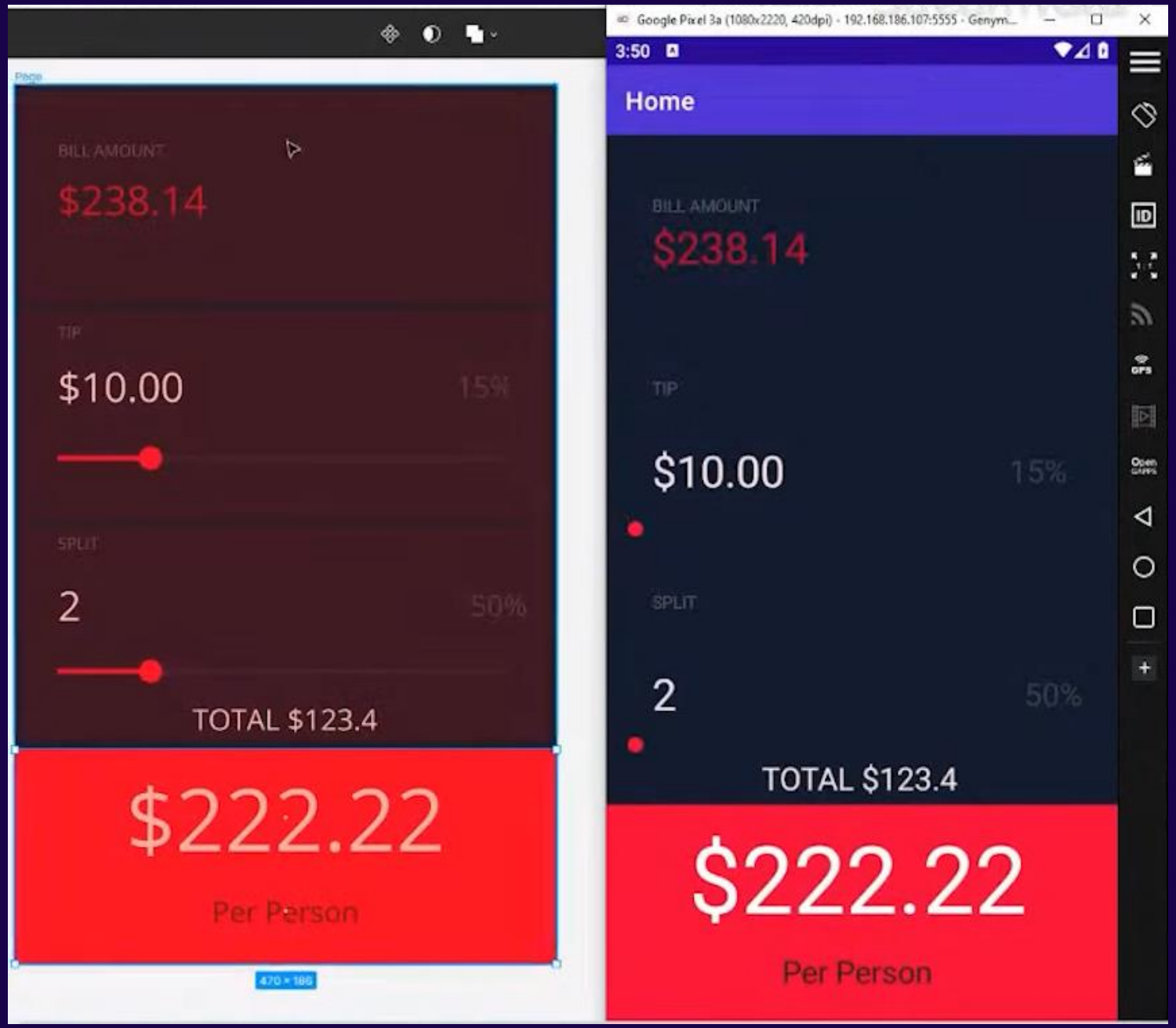
000000 100 %

FFFFFF 100 %

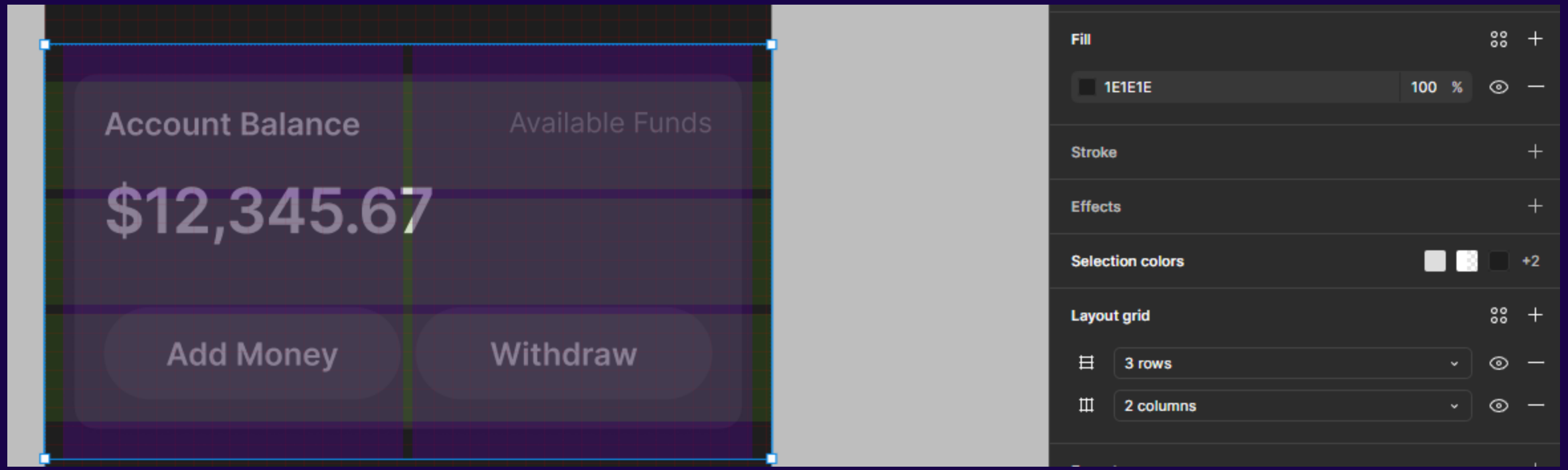
Layout grid

4 rows

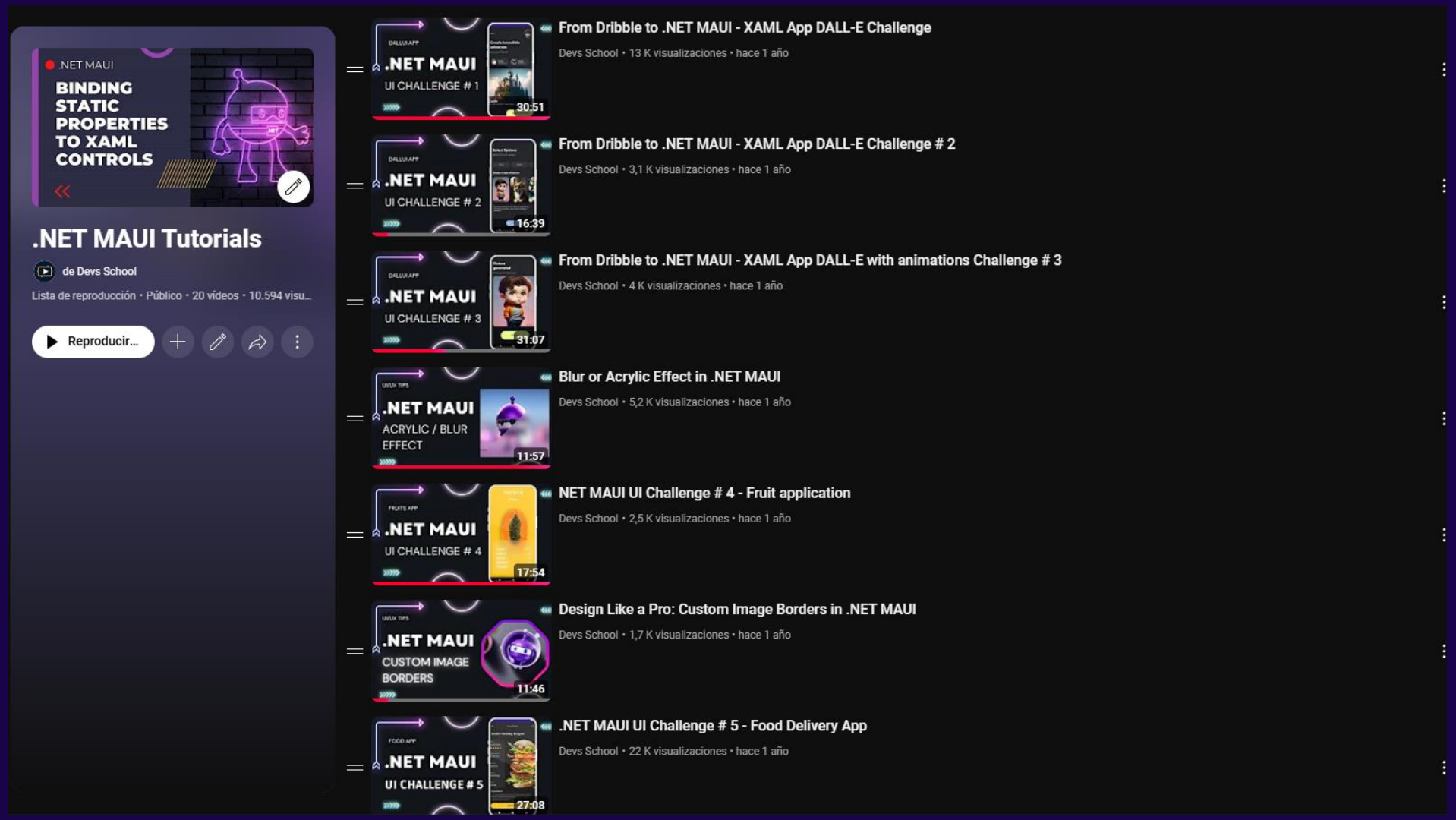

BMI CALCULATOR
WEIGHT
HEIGHT
BMI RESULT
CALCULATE
252 × 370
Google Pixel 3a (1080x2220, 420dpi) - 192.168.186.107:5555 - Genym...
3:48
Home
BMI CALCULATOR
WEIGHT
HEIGHT
BMI RESULT
CALCULATE


BILL AMOUNT
$238.14
TIP
$10.00
15%
SPLIT
2
50%
TOTAL $123.4
$222.22
Per Person
470 × 180
Google Pixel 3a (1080x2220, 420dpi) - 192.168.186.107:5555 - Genym...
3:50
Home
BILL AMOUNT
$238.14
TIP
$10.00
15%
SPLIT
2
50%
TOTAL $123.4
$222.22
Per Person

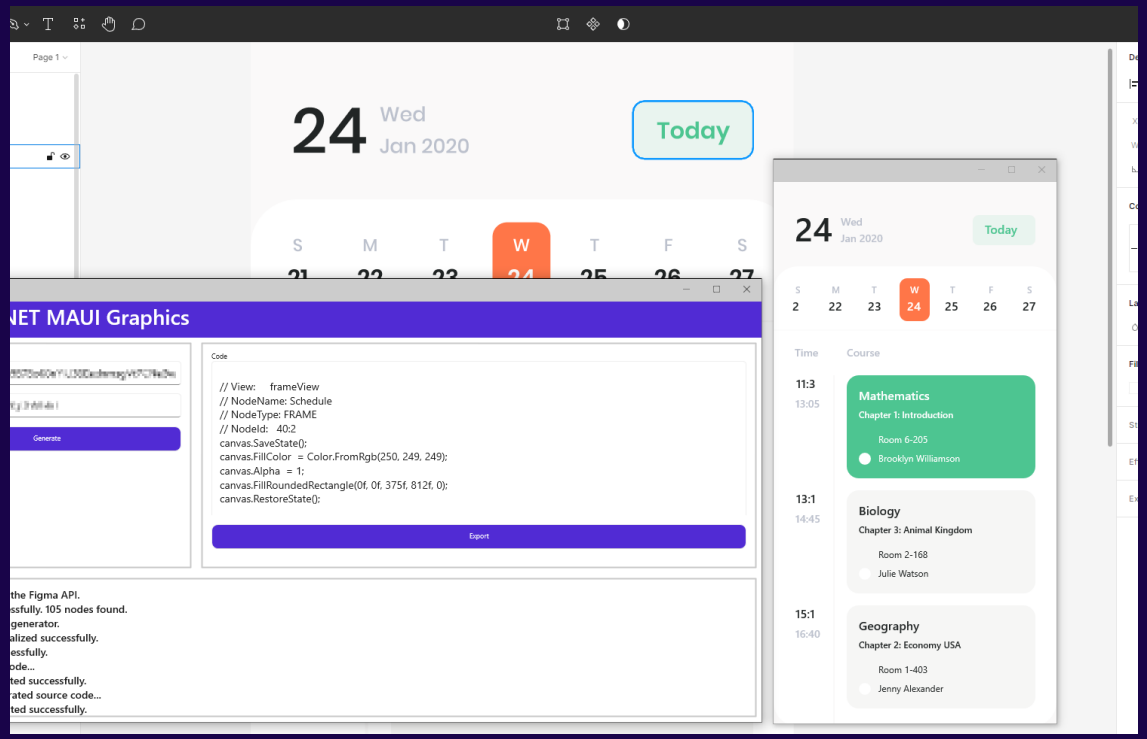
# However, there was an issue with this approach...



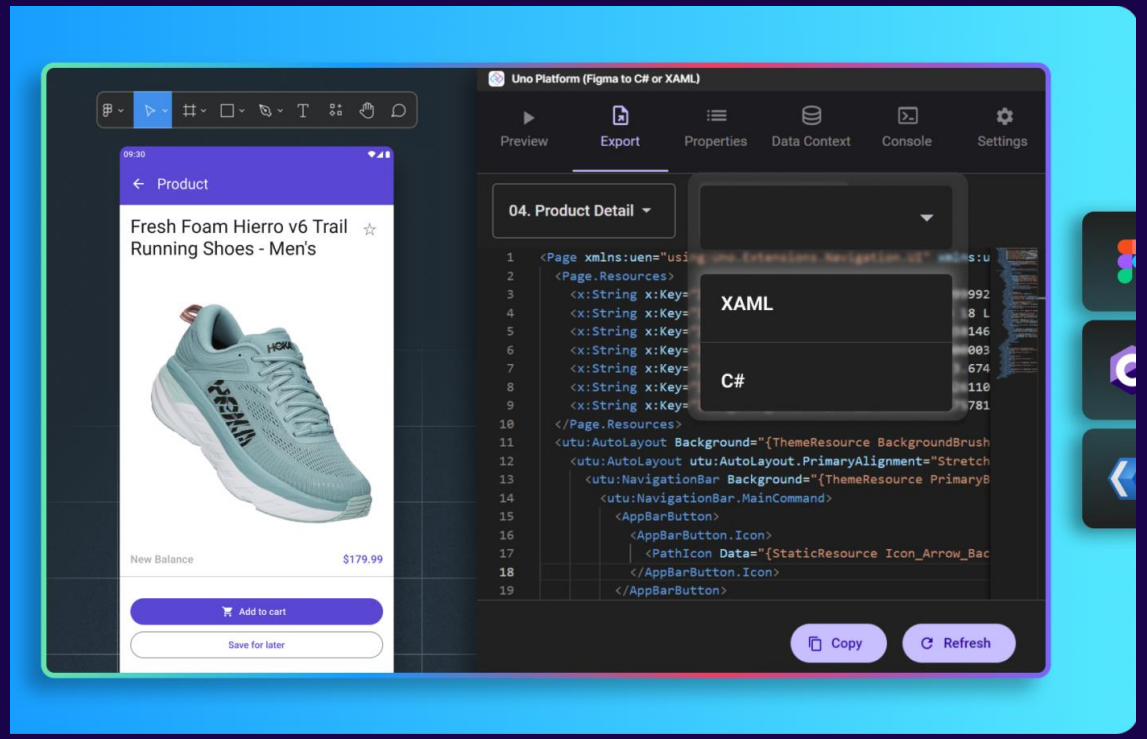
# A few years later...



# Code Generators for .NET MAUI from Figma




From Figma to .NET MAUI Graphics

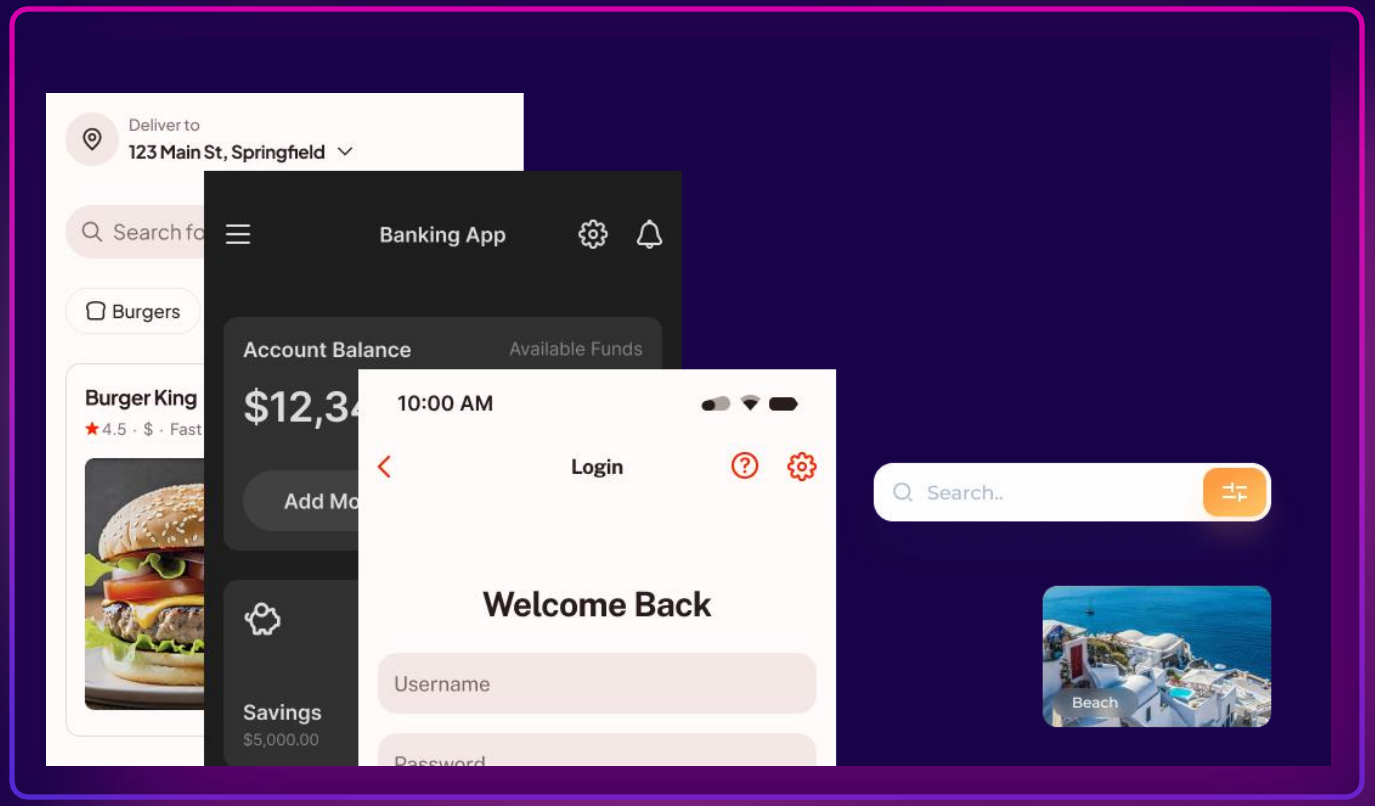



Uno Platform for Figma

# The challenge

## Key Differentiators

- Pre-designed Controls for Copying and Pasting
- Reusable Components for Applications
- Full Application Screens for Rapid Development



# It's essential to choose the best technology stack

## Blazor

To expose functionality, enabling the use of C#, Identity, and other features for rapid development

## Microsoft Azure

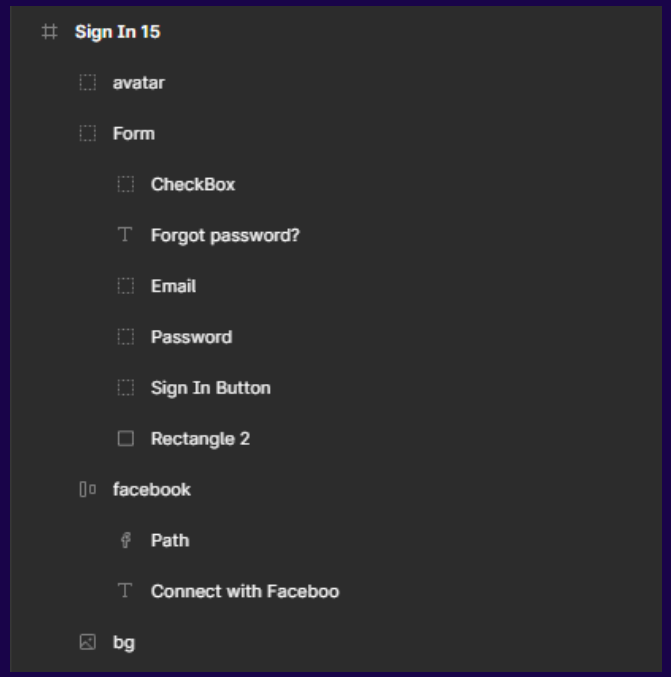
To host the application, providing scalability as needed along with essential infrastructure

## Azure Open AI

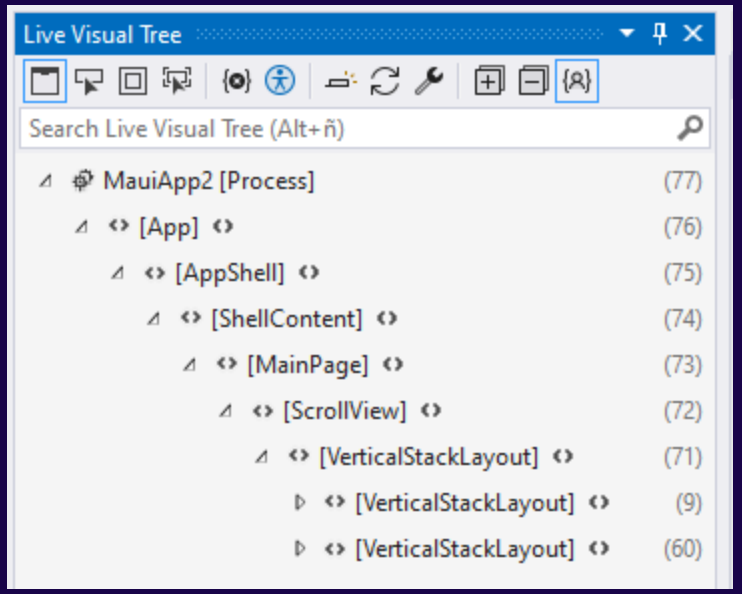
To identify controls in the user interface, helping determine the types of controls that need to be created

# The goal is to achieve as close a match as possible between a Figma design and an XAML tree

Figma Tree



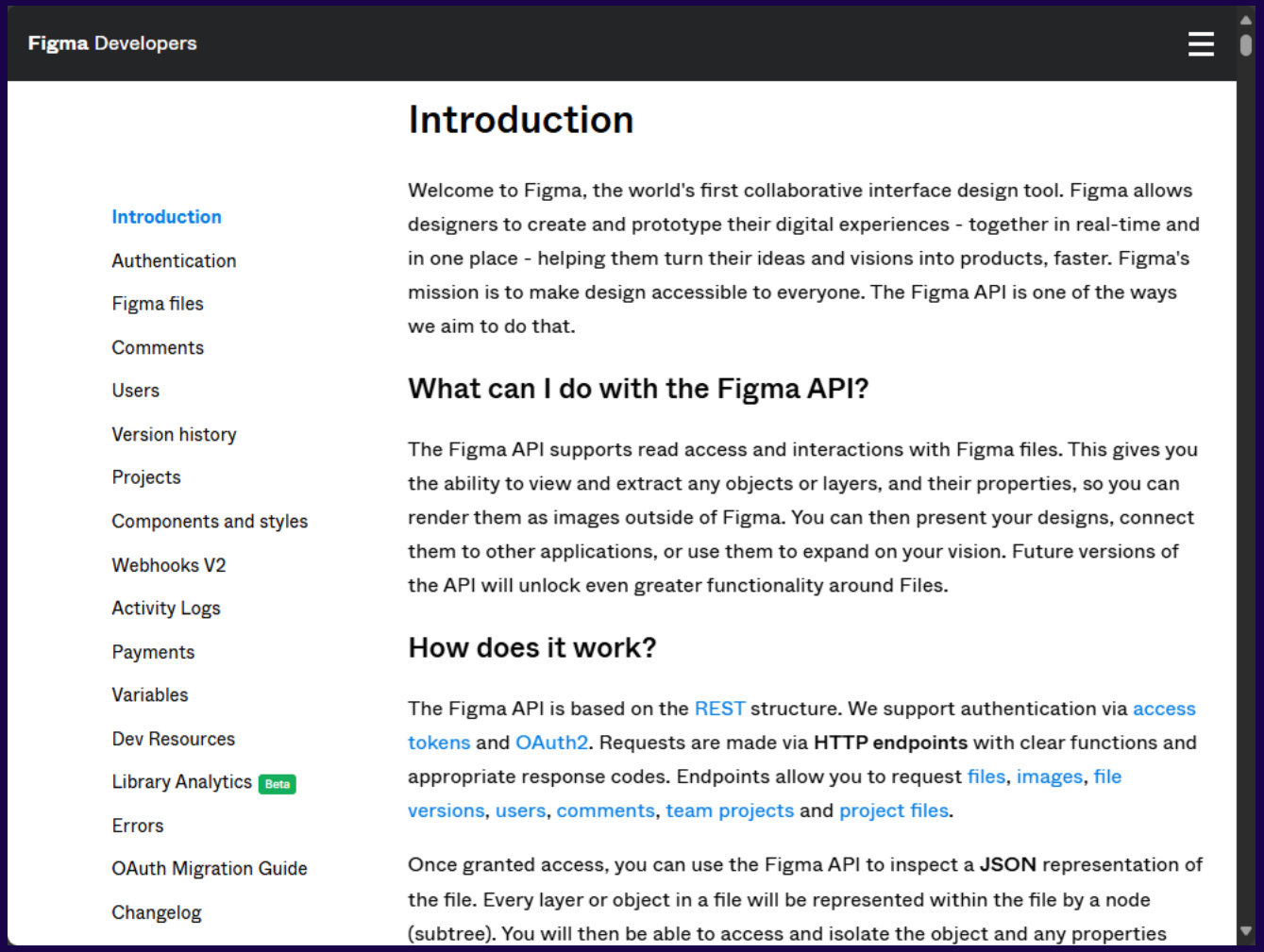

XAML Tree



# It all starts with Figma's developer documentation

**https://www.figma.com/developers/api**

The Figma API is an interface that allows developers to access, manipulate, and extract data from Figma designs programmatically



# Demo: Creating a project with the fundamentals of XAMLIFY

# Get .NET 9

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aka.ms/get-dotnet-9

# Thank you