

**Meet code.**

**Enabling a new  
generation of designers**

**Søren Clausen**  
Product Design Lead



**Design tools suck**

Code is better

**Design tools are kinda not  
always the best tool for the job**

**Code is sometimes just a way  
better tool for the job**

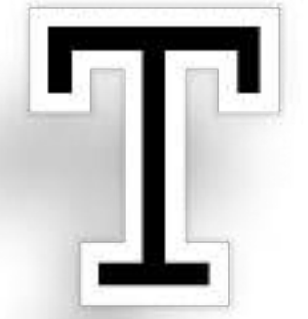
Imagine this...

**Can we do this?**

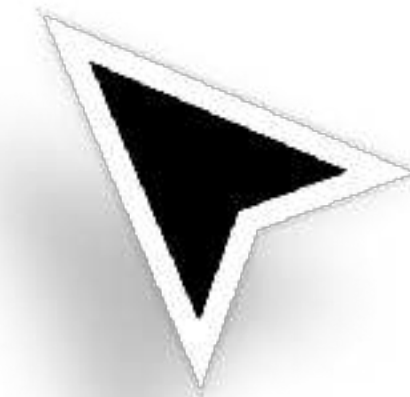


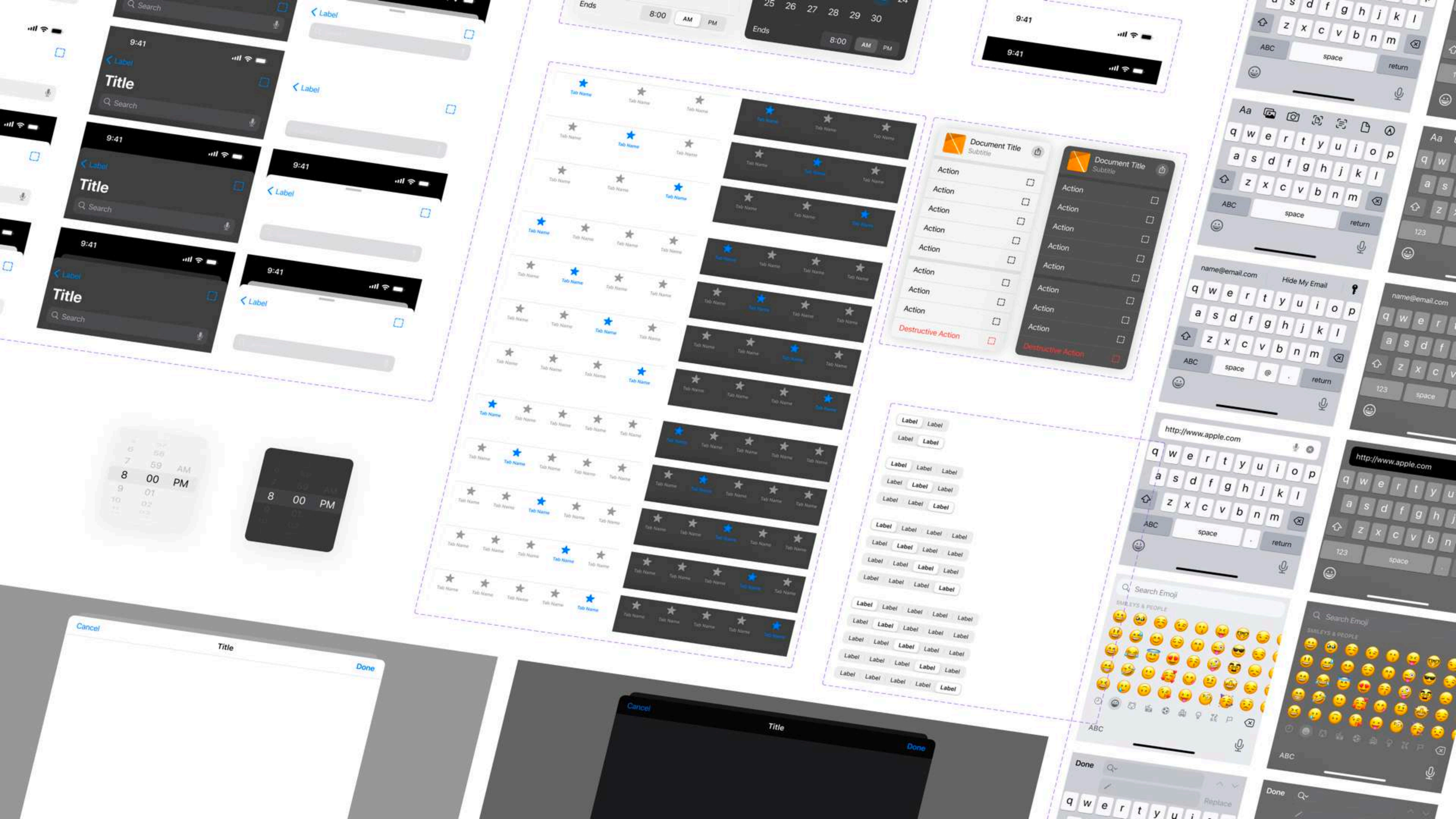
**We design in a simulation.**





**We design in a simulation.**





Ends 8:00 AM PM  
25 26 27 28 29 30  
Ends 8:00 AM PM

9:41  
9:41

Navigation bars with back arrows, labels, and search fields. Includes a search bar with a magnifying glass icon and a microphone icon.

8 00 PM  
8 00 PM

Grid of 12 tab bar items, each with a white background and a dark background variant, featuring star icons and 'Tab Name' text.

Document Title Subtitle  
Action  
Action  
Action  
Action  
Action  
Action  
Action  
Action  
Action  
Action  
Destructive Action

Keyboards with various keys including letters, numbers, space, return, and emojis.

Label Label  
Label Label  
Label Label Label  
Label Label Label  
Label Label Label  
Label Label Label  
Label Label Label  
Label Label Label  
Label Label Label  
Label Label Label  
Label Label Label  
Label Label Label

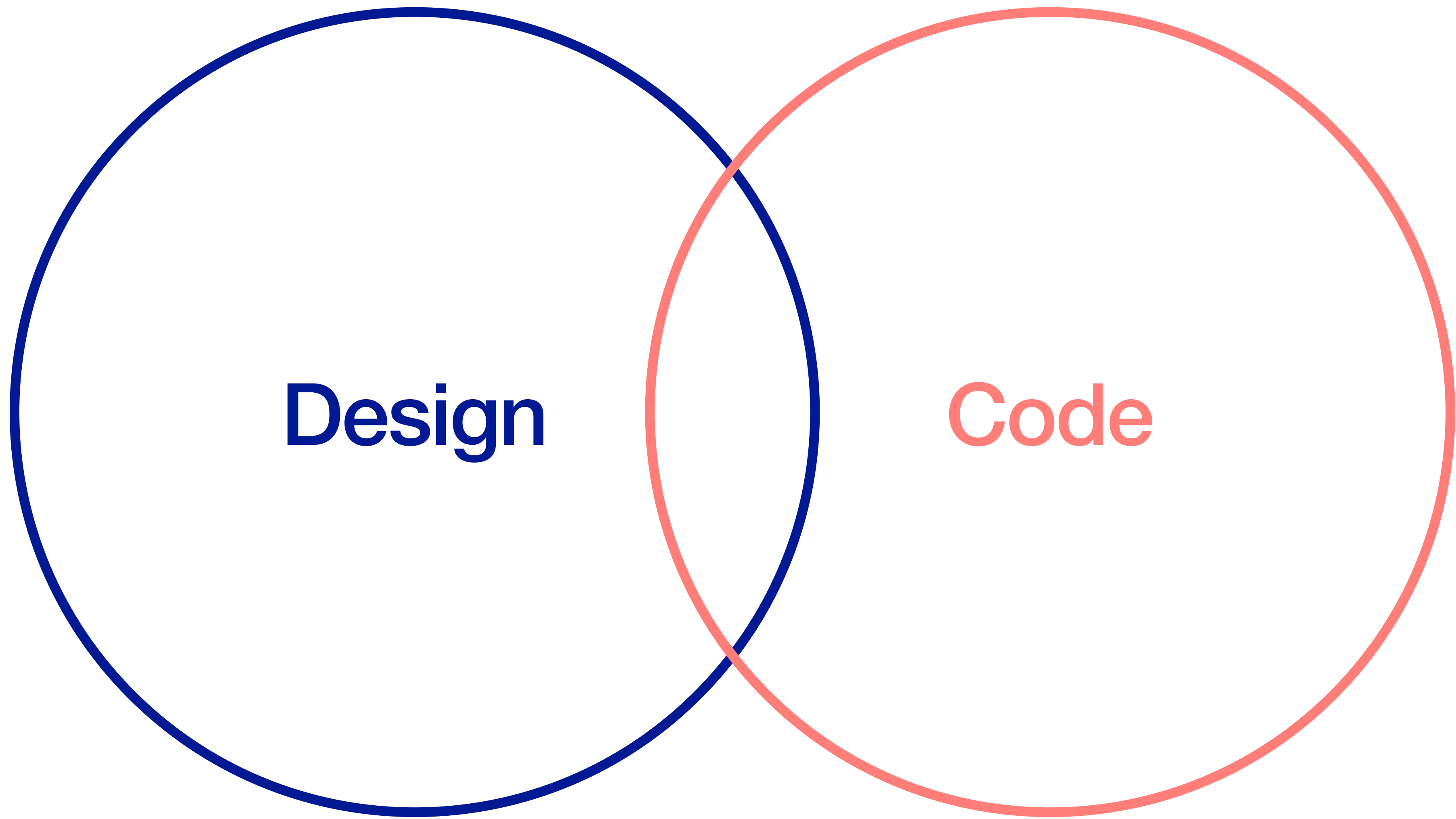
Search Emoji  
SMILEYS & PEOPLE  
http://www.apple.com

Cancel Title Done

Cancel Title Done

Done  
q w e r t y u i o p  
Done

**Interface Design  
is 100% simulation**



**Design**

**Code**

**This is a big problem.  
And it's only getting bigger.**

New Technologies

**Augmented Reality**  
**Artificial Intelligence**  
**Immersive Experiences**

Keep caring about the details

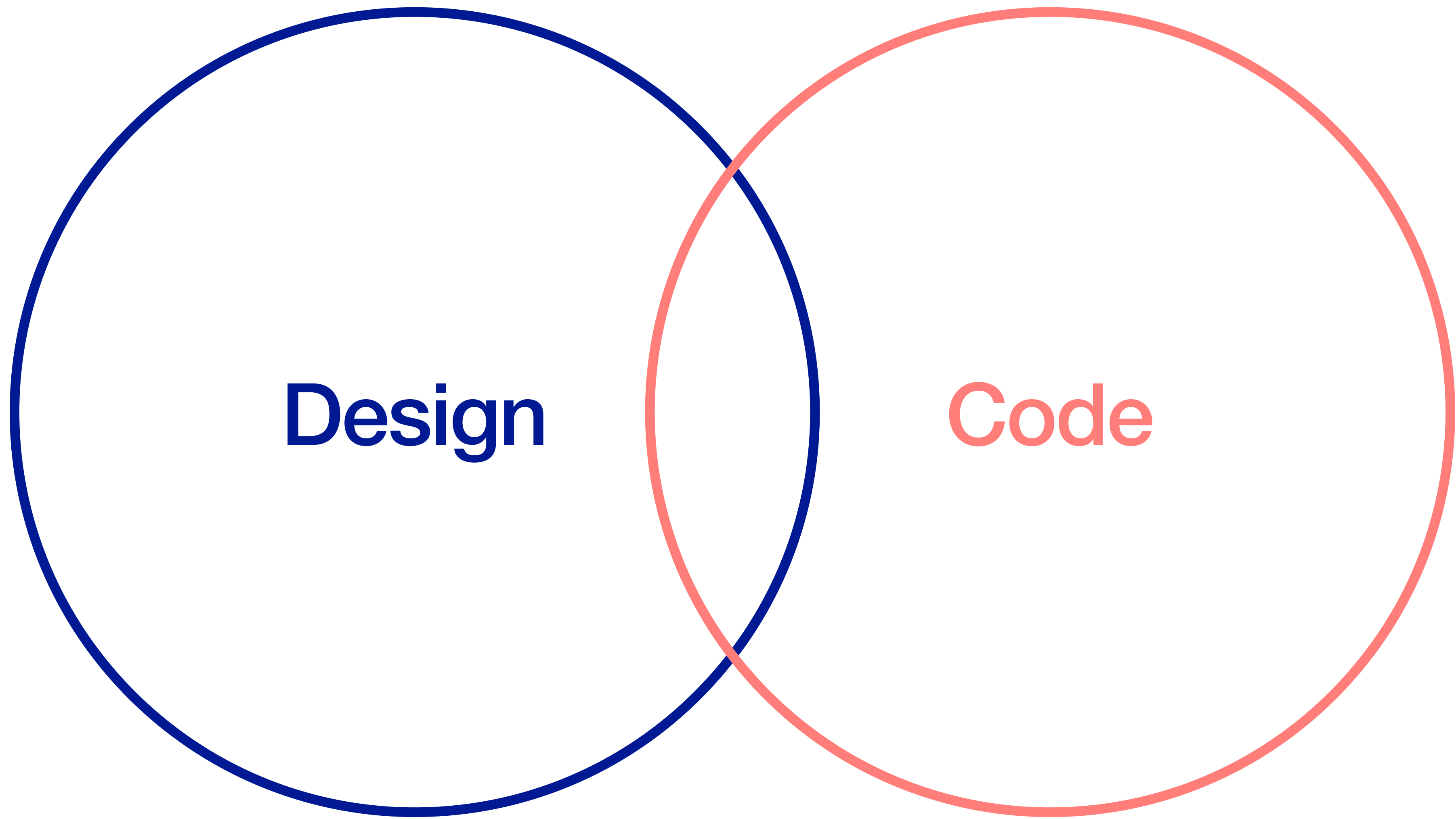
**Great Experiences**  
**Accurate Implementation**



The gap will increase

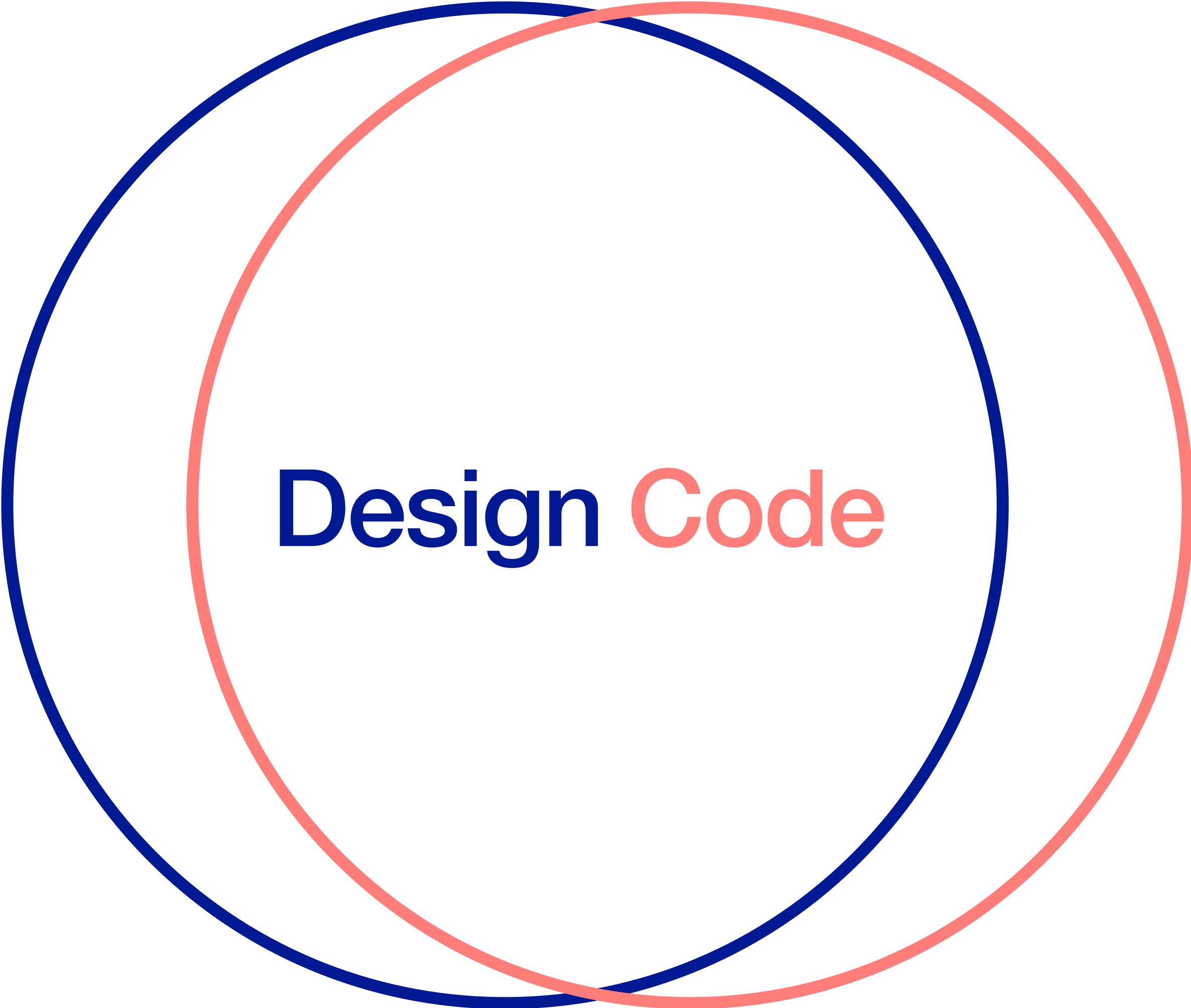
**Common Understanding**  
**Collaboration**  
**Handover Rituals**

**We need to prepare  
for the future**



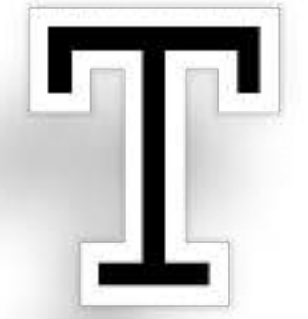
**Design**

**Code**

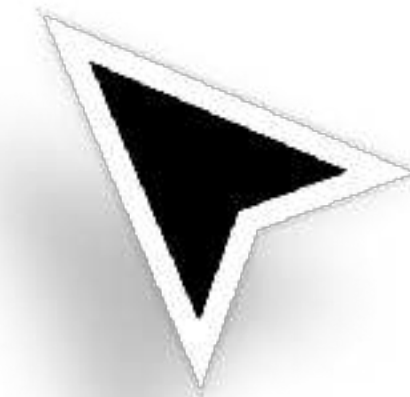


**Design Code**

Introducing.  
Our new design tool.



**We go from this**



//To this

**Code is not that different**



Everything is a **Rectangle**

Everything is a **View**

---

**View()**

---

**View{ }**

---

**View() {**

**}**

---

Code

Result

```
Text( "Hello World" )
```

Hello World

```
Image( "hav_kamal_cover" )
```



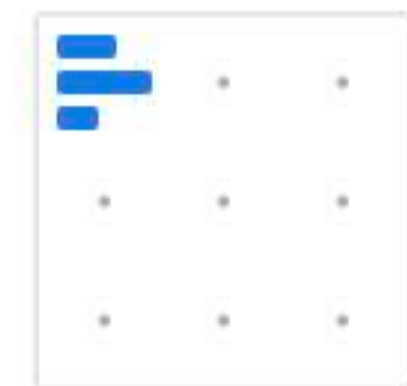
```
VStack( spacing: 8 ) {  
  content  
}
```

Auto layout



8

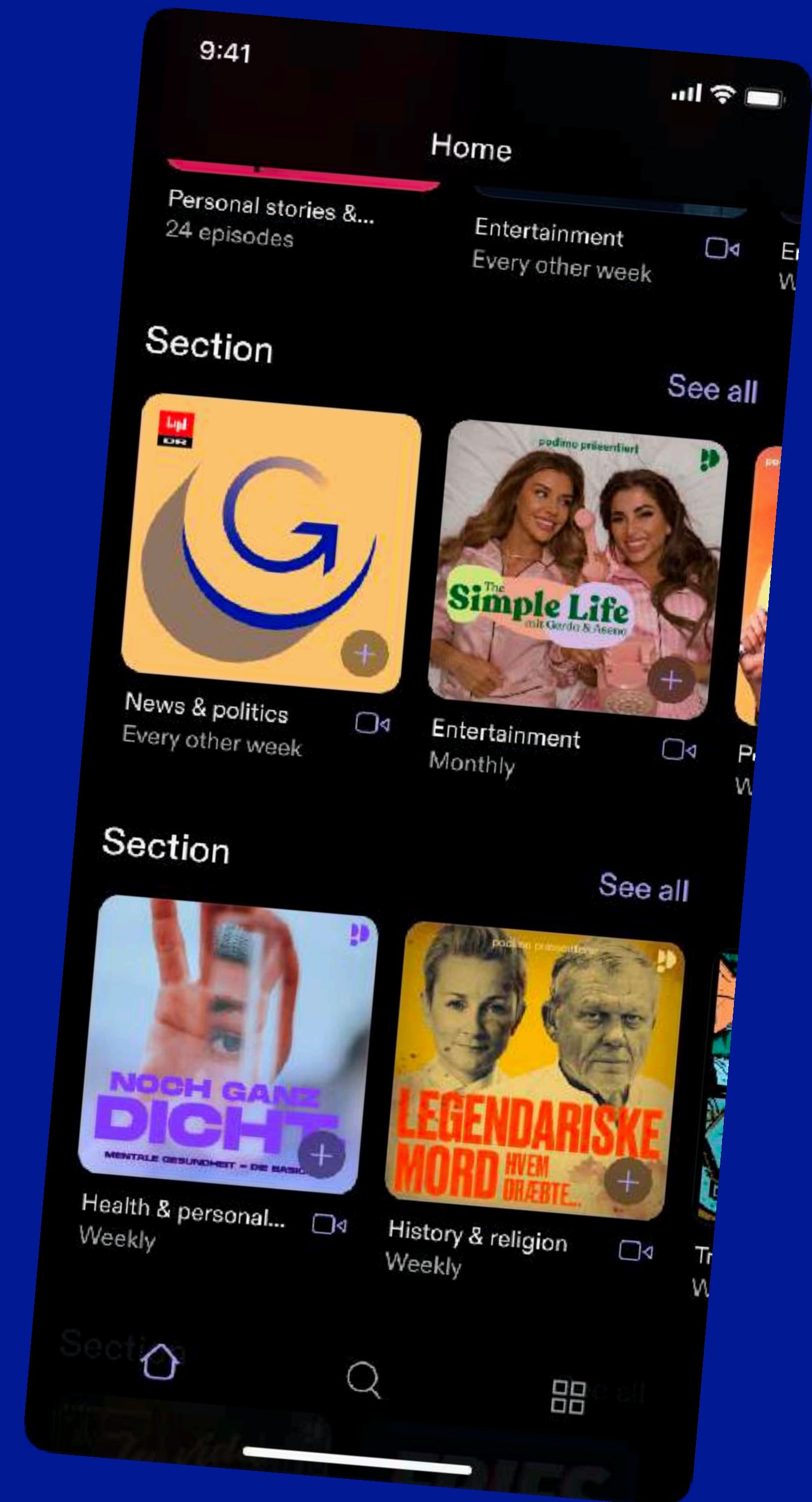
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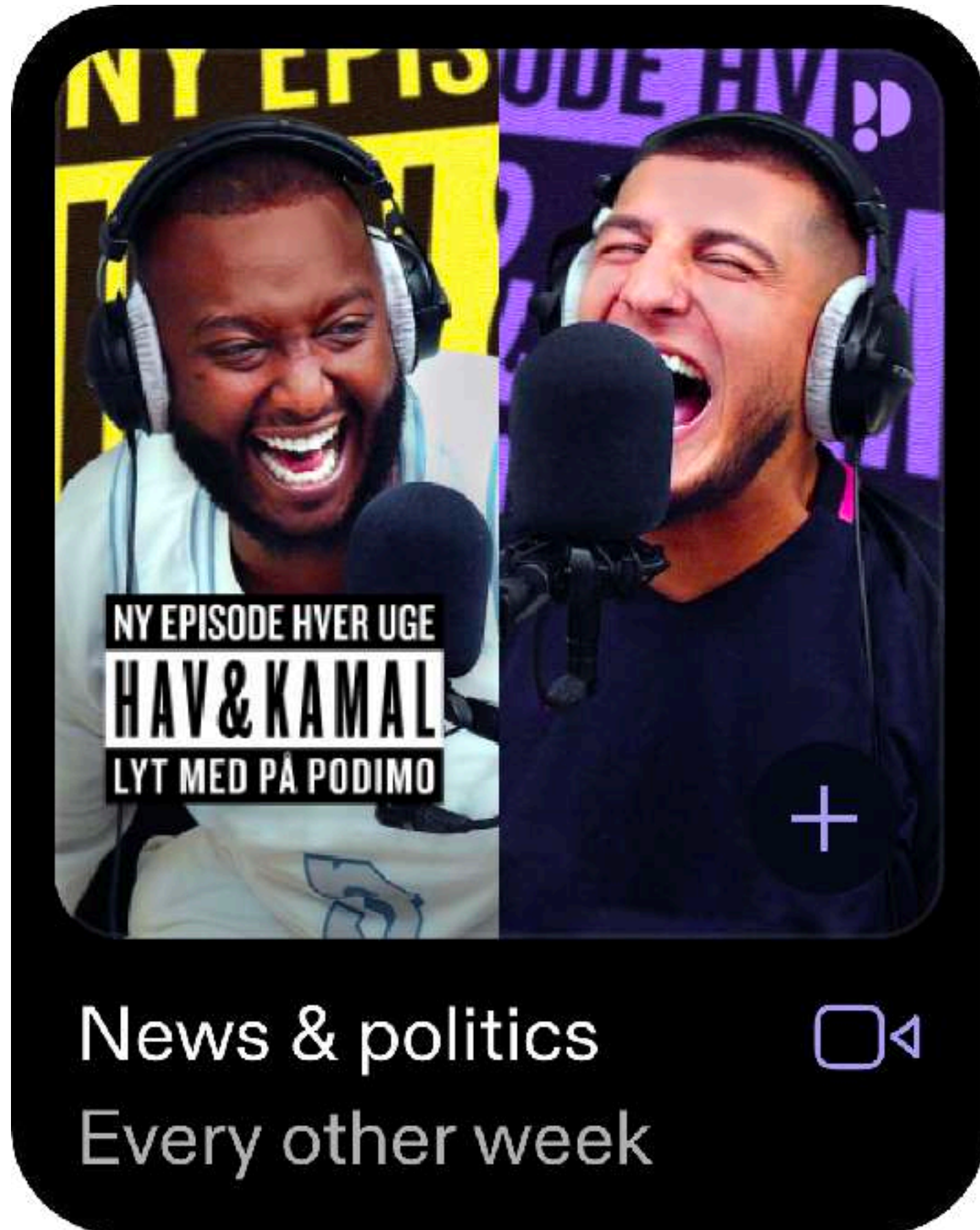
0



# Let's build an app



# Custom Component



## ☰ Component

# Cover

# Button Circular

# Icon

□ Image

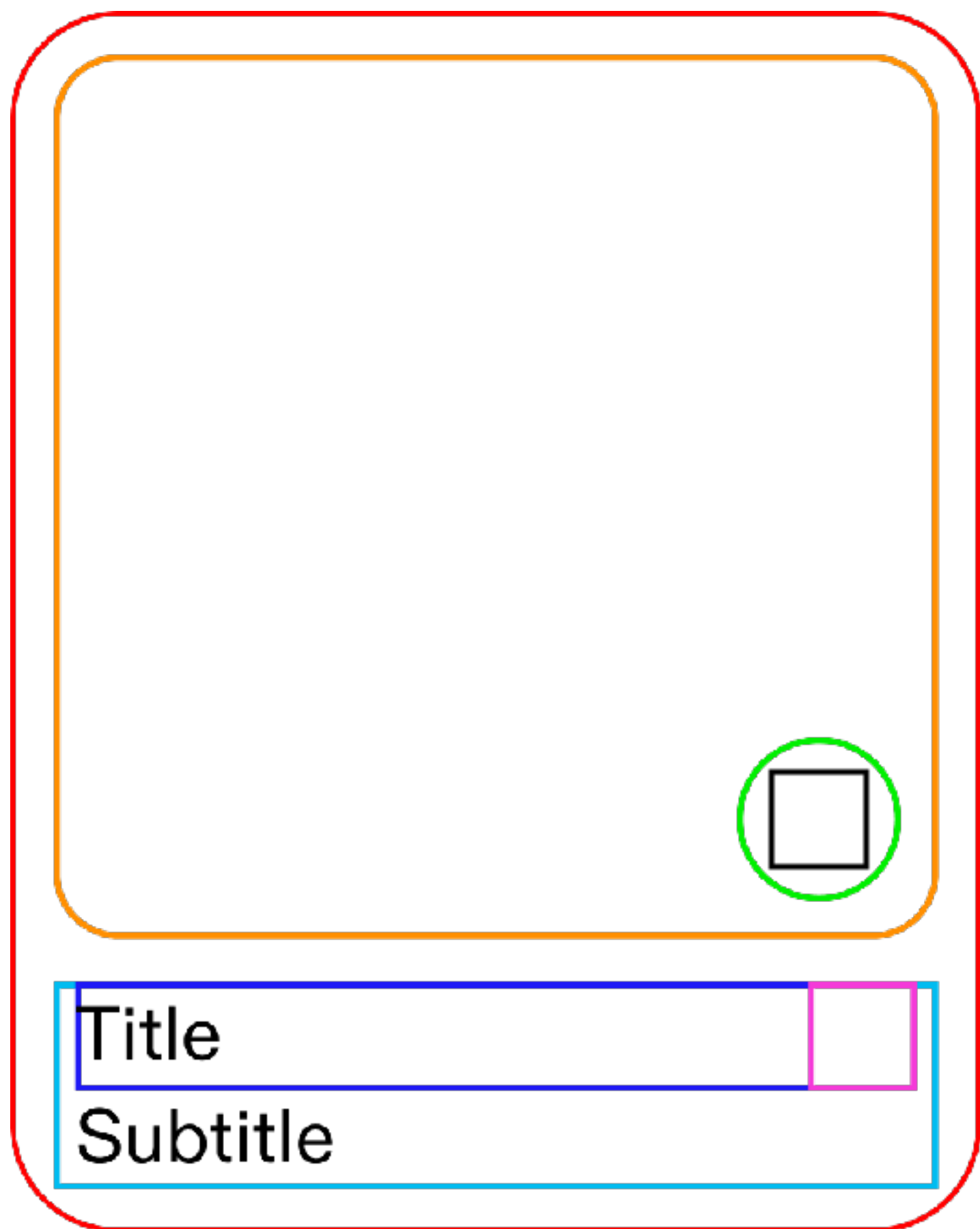
☰ Text

||| Title

T Category

# Icon

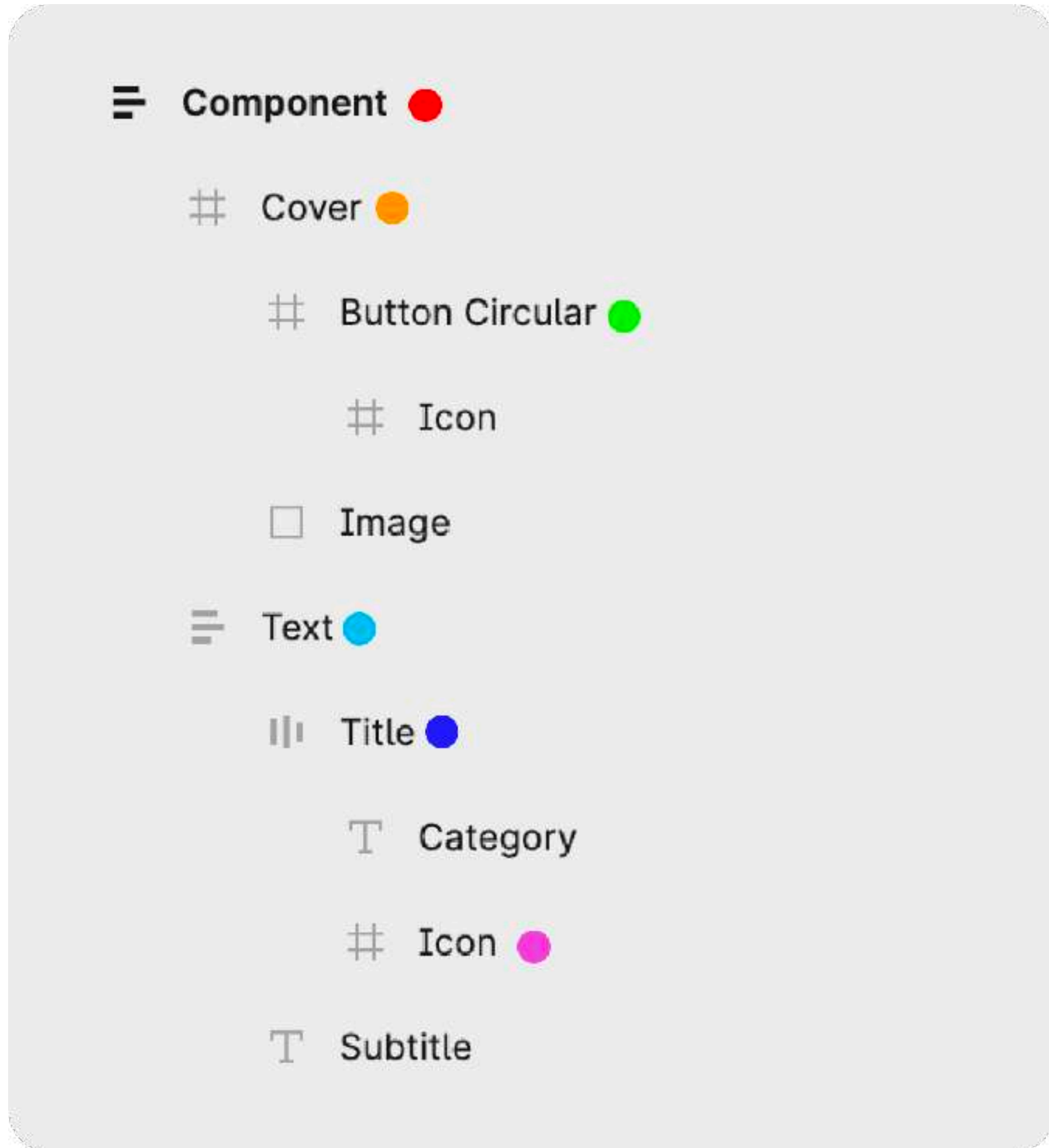
T Subtitle



```
VStack{
  ZStack{
    Image("Cover")
    Button{
      Image("icon.add")
    }
  }
  VStack{
    HStack{
      Text("Subtitle")
      Image("icon.video")
    }
    Text("Subtitle")
  }
}
```



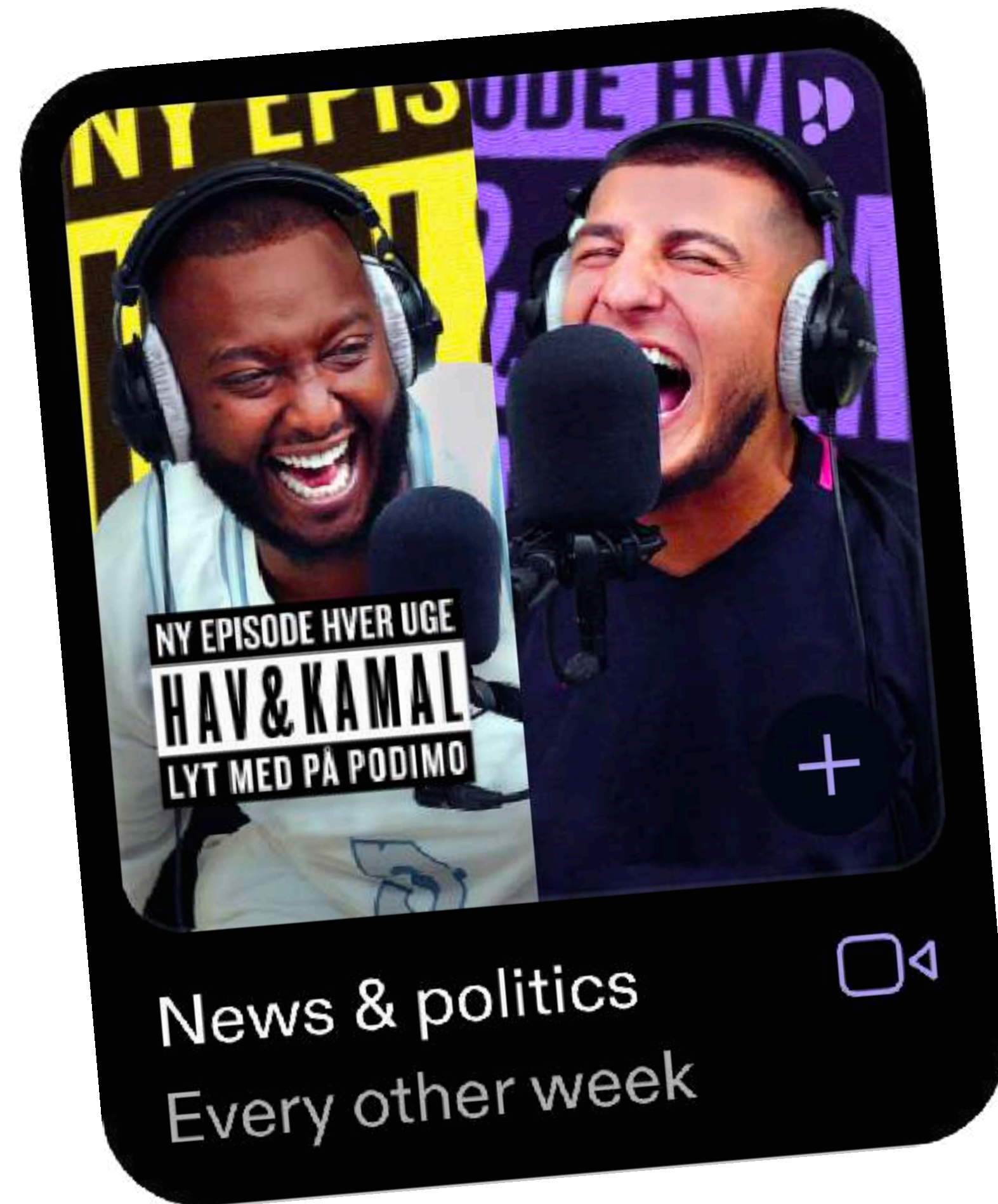
# Figma



# Code

```
VStack{
  ZStack{
    Image("Cover")
    Button{
      Image("icon.add")
    }
  }
  VStack{
    HStack{
      Text("Subtitle")
      Image("icon.video")
    }
    Text("Subtitle")
  }
}
```

## Custom View – GridItem



```
GridItem(  
    image: "file name",  
    title: "Text",  
    subtitle: "Text"  
)
```

# Navigation Bar

9:41



# Home

## Popular

See all



Entertainment  
Weekly



Technology & science  
Weekly

## Section

See all

9:41



# Home

Entertainment  
Weekly

Technology & science  
Weekly

## Section

See all



Entertainment  
Monthly



Personal stories &...  
Weekly

## Section

See all



```
NavigationStack{
```

```
  ScrollView{
```

```
    VStack{
```

```
      Section()
```

```
      Section()
```

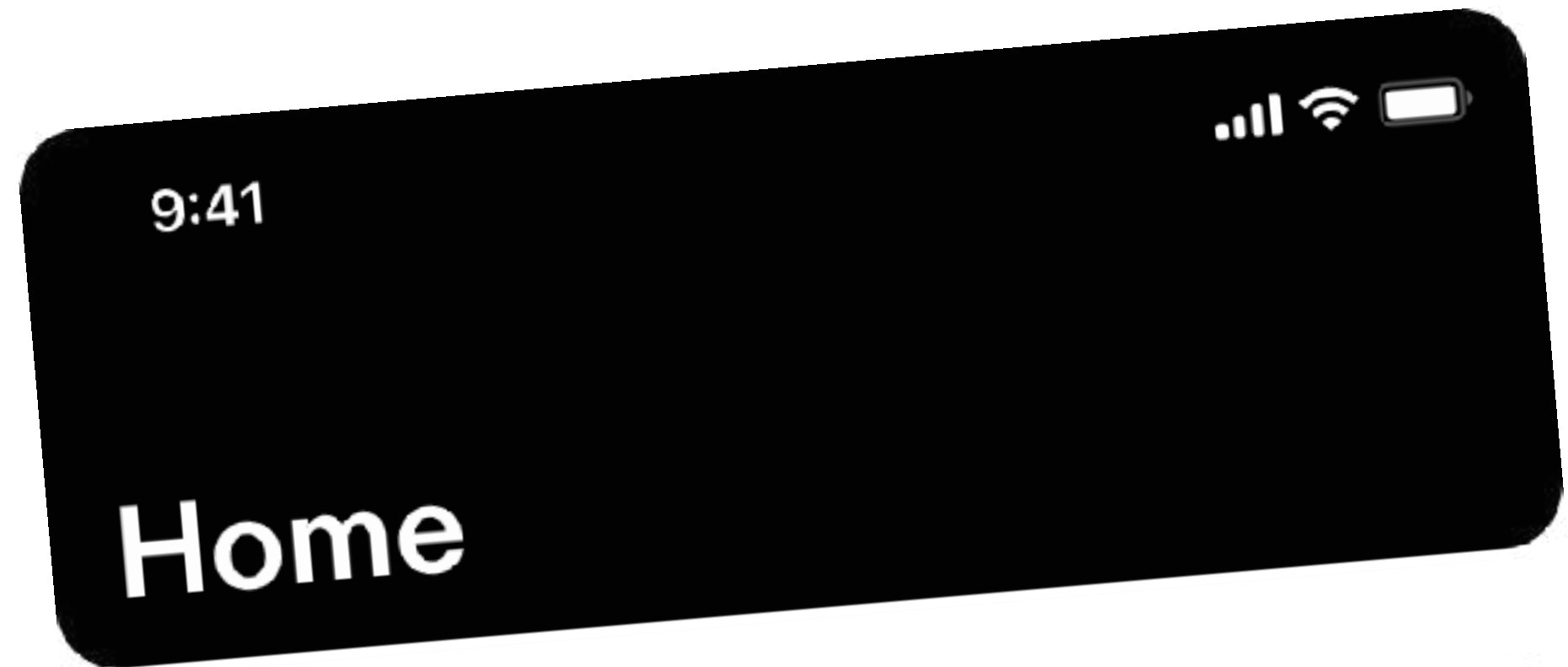
```
      Section()
```

```
    }
```

```
  }
```

```
  .navigationTitle("Home")
```

```
}
```



```
NavigationStack{  
  ScrollView{  
    VStack{  
      Section()  
      Section()  
      Section()  
    }  
  }  
  .navigationTitle("Home")  
}
```

9:41



# Home

## Popular

See all



Entertainment  
Weekly



Technology & science  
Weekly

## Section

See all

9:41



# Home

Entertainment  
Weekly

Technology & science  
Weekly

## Section

See all



Entertainment  
Monthly



Personal stories &...  
Weekly

## Section

See all

# Tab Bar

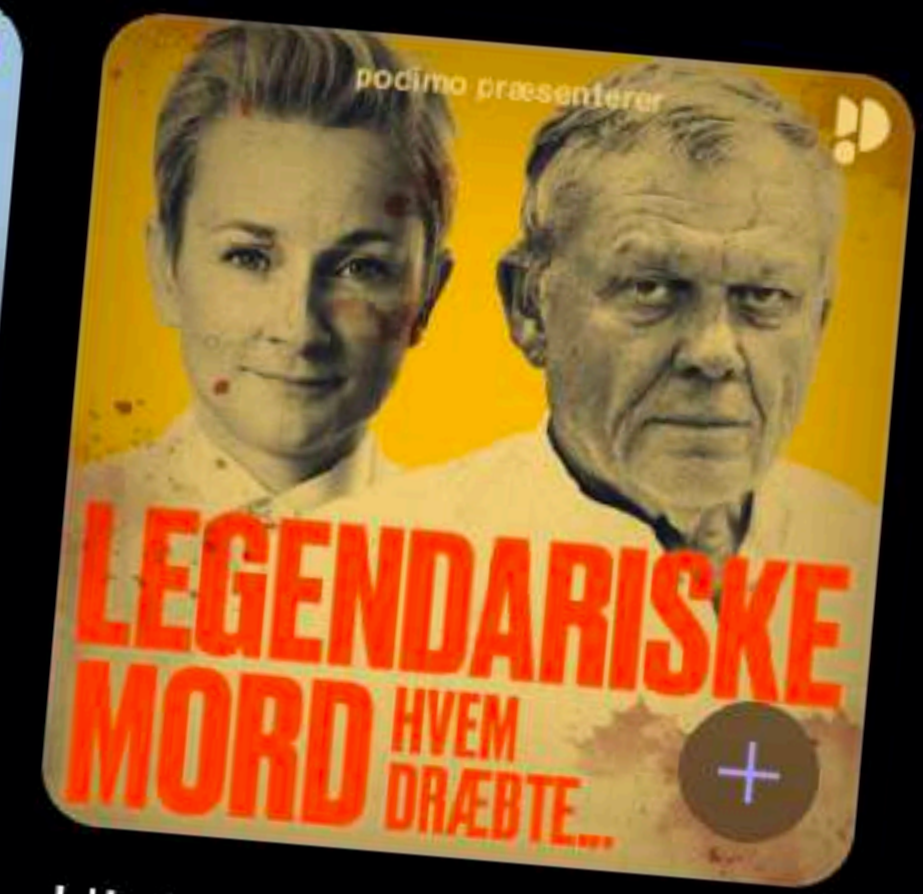


Section

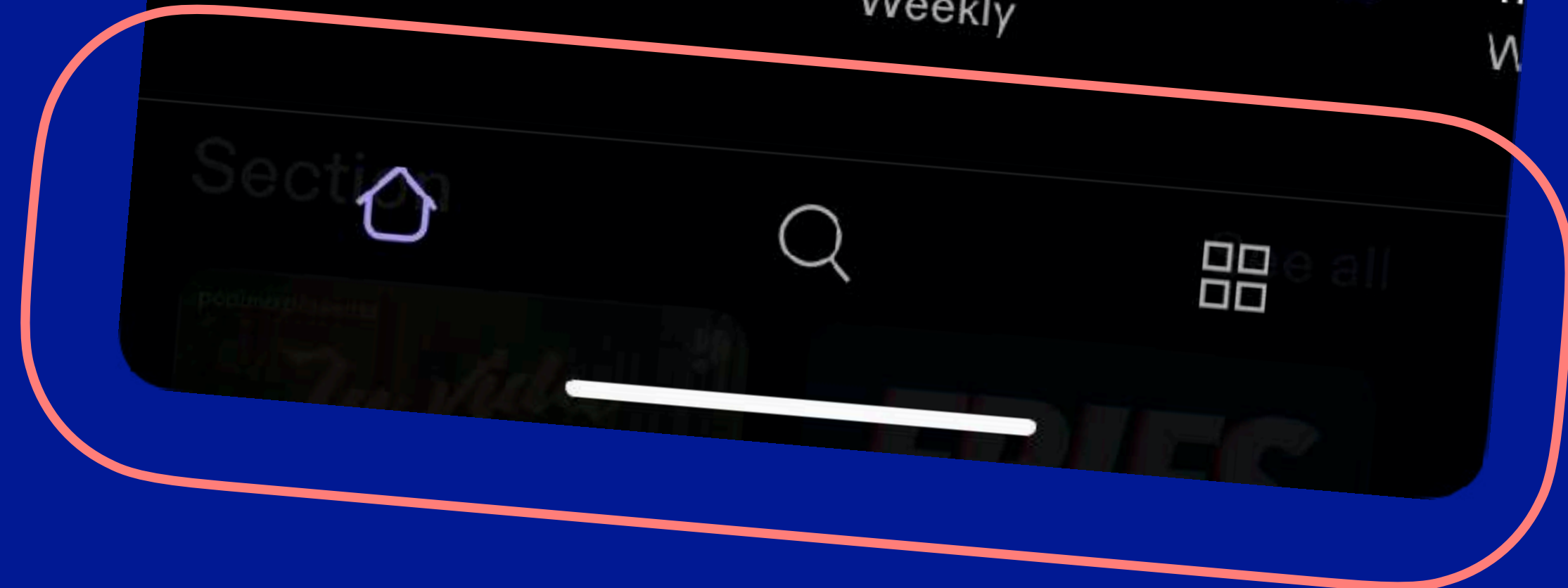
See all

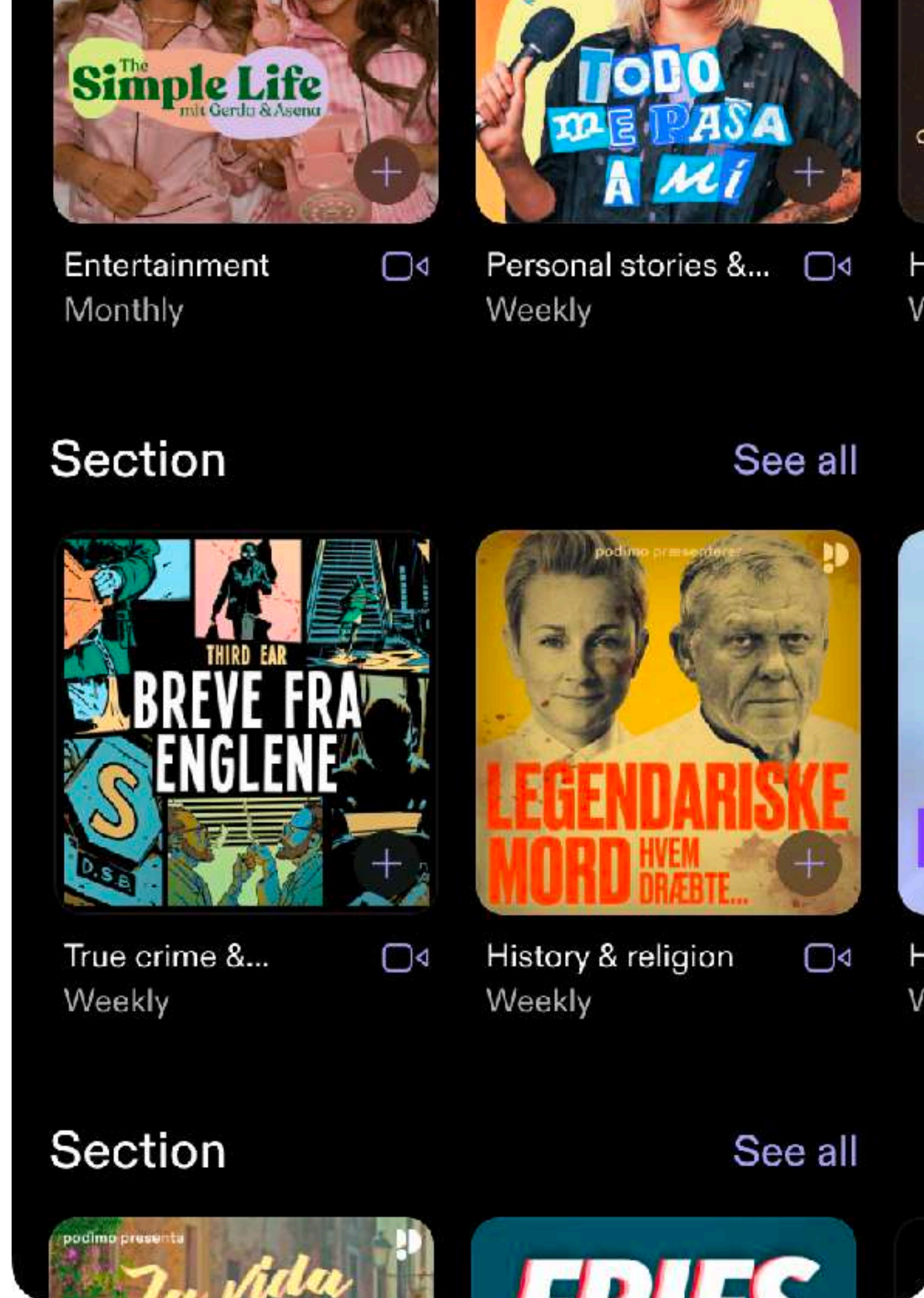


Health & personal...  
Weekly

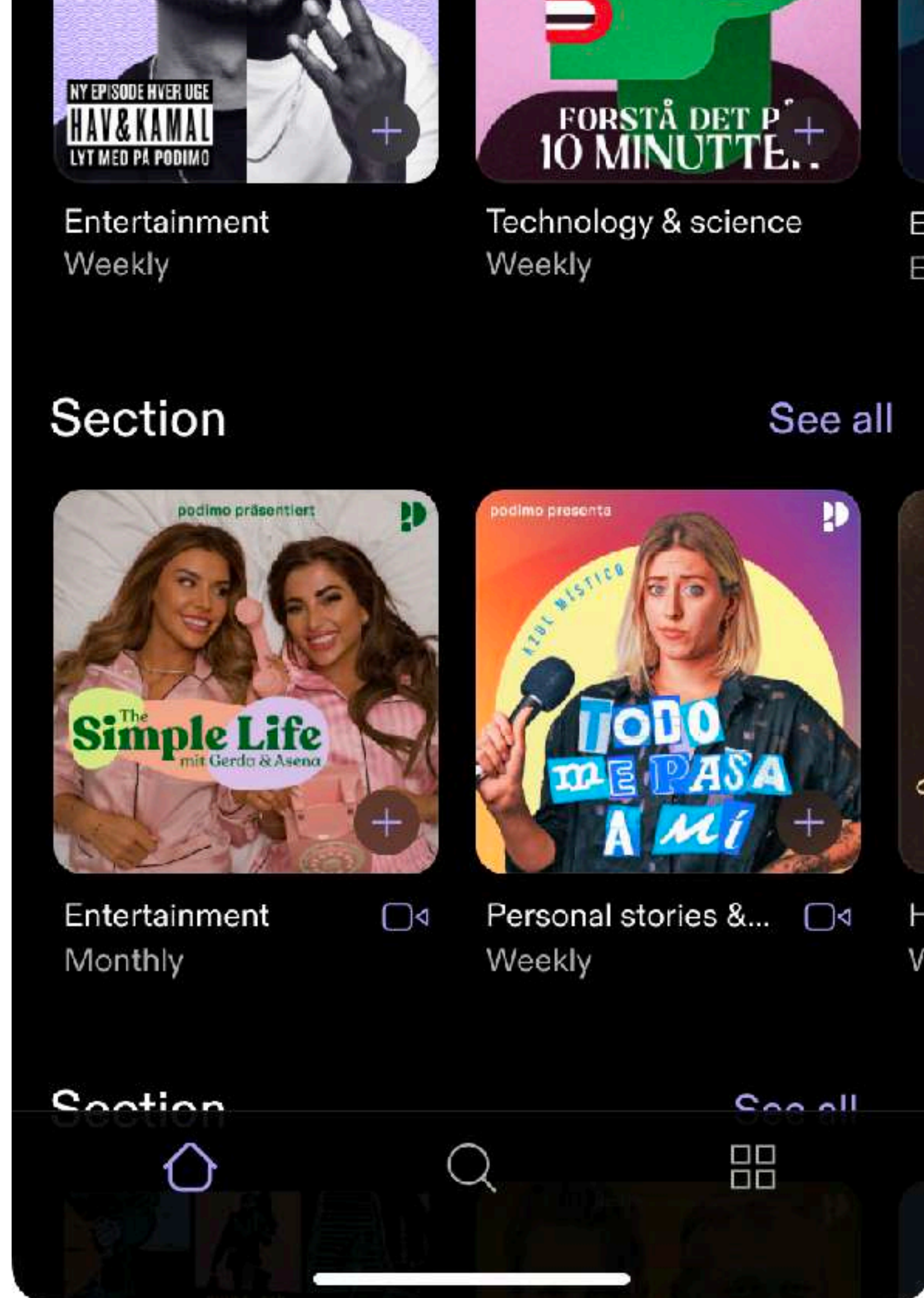


History & religion  
Weekly



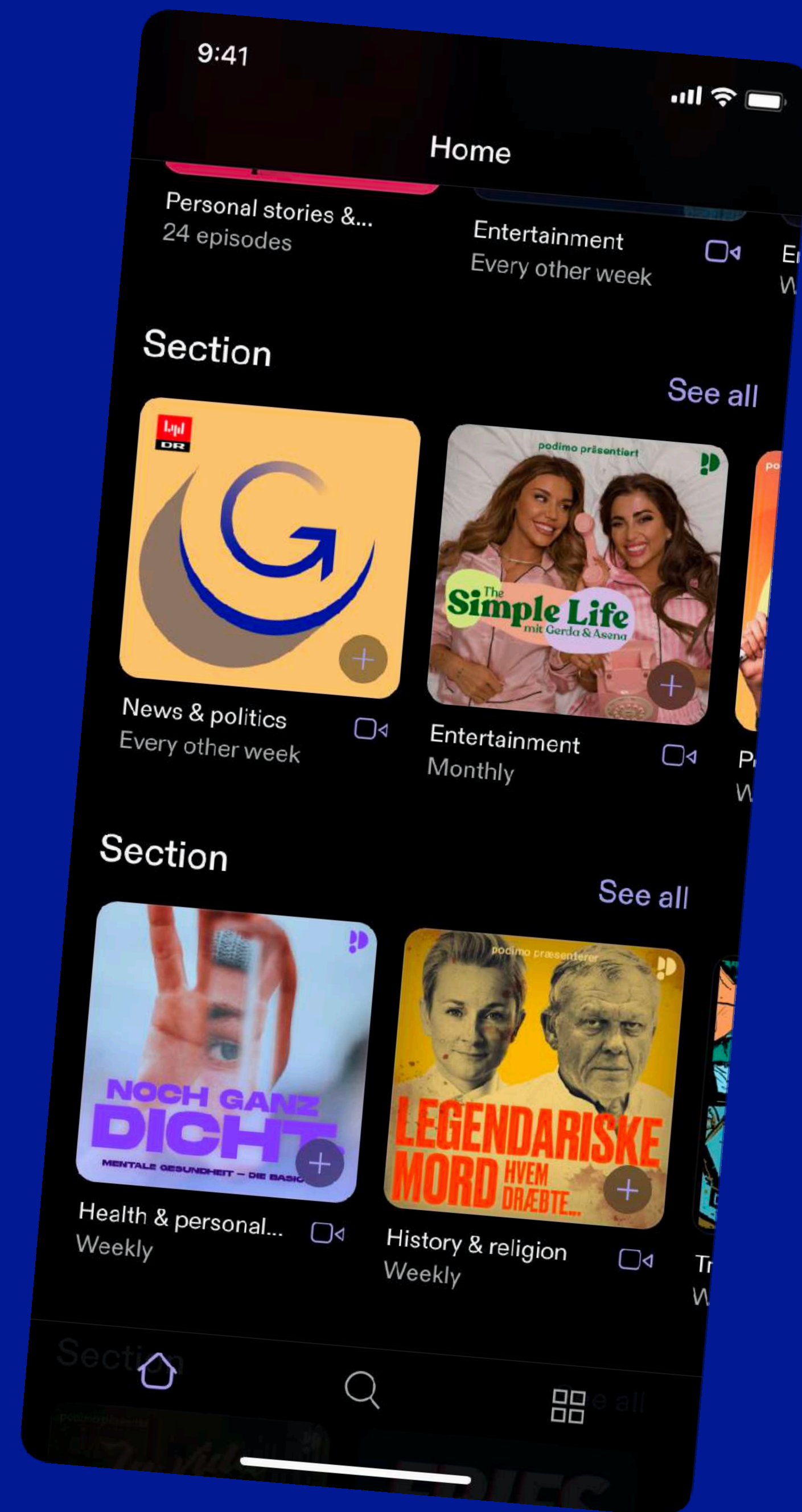


```
TabView{  
    HomeView()  
    SearchView()  
    LibraryView()  
}
```



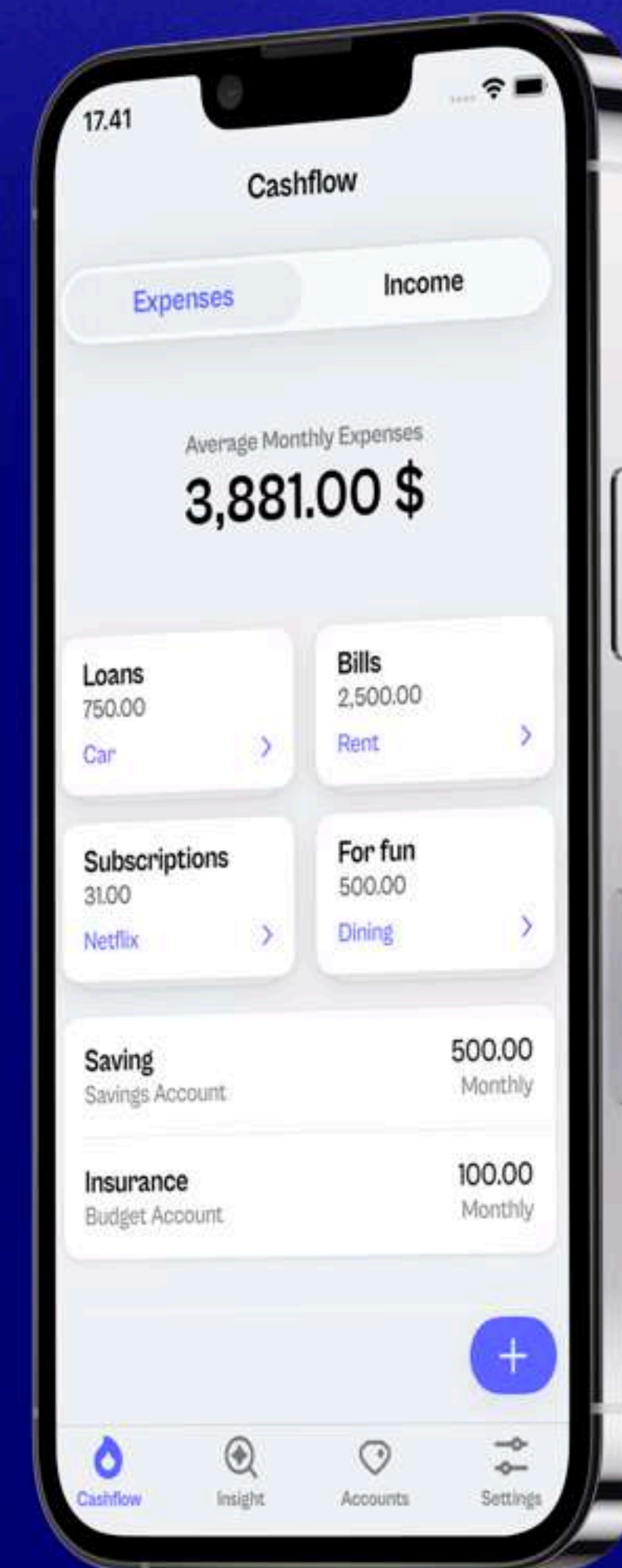
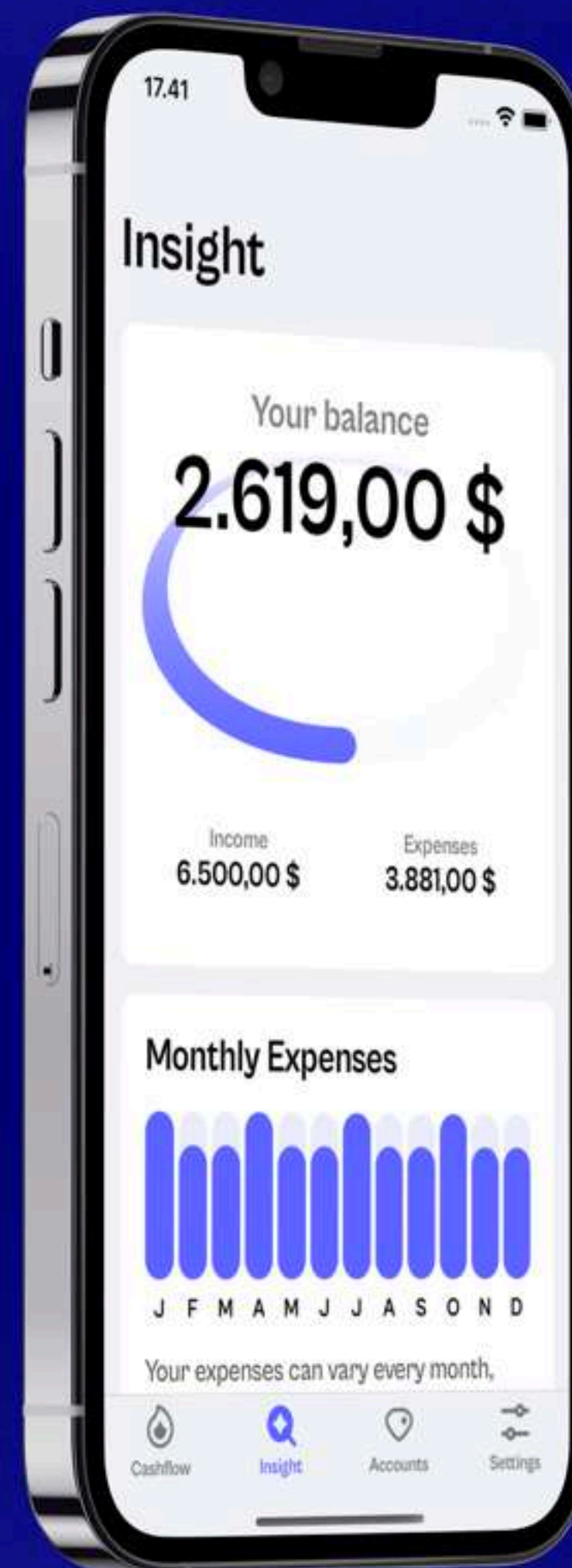
```
TabView{
  HomeView()
  .tabItem{
    Image("icon.home")
  }
  SearchView()
  .tabItem{
    Image("icon.search")
  }
  LibraryView()
  .tabItem{
    Image("icon.library")
  }
}
```

That's it!  
We built an app.



**How far can we take it?**

# Cirka Budget & Tracking cirka.app



The best looking budget you've ever seen!

#### Loans

750.00

Car



#### Bills

2,500.00

Rent

#### Subscriptions

31.00

Netflix



#### For fun

500.00

Dining

Instant analysis, in a way we all understand.

#### What months are more expensive?

Your expenses can vary every month, depending on when the individual expenses are due.



See expenses per month



\$, £, €, or Kr.?  
They're all here.

Unites States Dollar

USD

British Pound

GBP

Euro

EUR

Dansk Krone

DKK

Norsk Krone

NOK

**Should everything  
happen in code?**

**Is a hammer the  
best tool for everything?**





UXR UXR UI

DEV QA PPM

Design in code  
is coming.

# Thank you!

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