

**JETPACK COMPOSE, FIGMA AND FEEDBACK LOOP.
AND MORE!**

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► Solution Architect @ Tinkoff



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- ▶ Solution Architect @ Tinkoff
- ▶ Experience with native Android, React-Native, Flutter, etc.



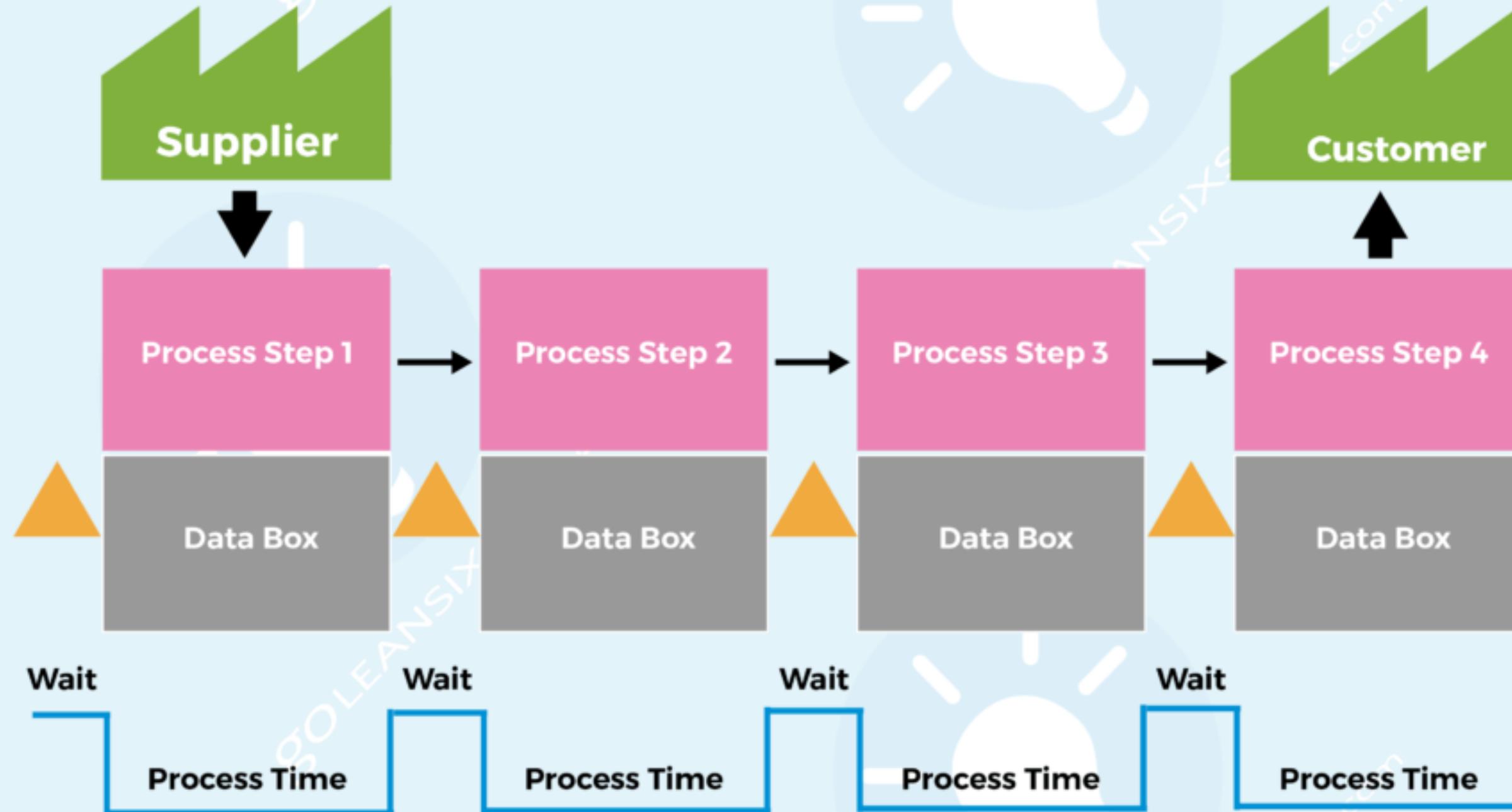
JOE

DELIVERY MANAGER



Value Stream Map

A Value Stream Map displays the high level process steps along with key process data.



VALUE STREAM
SEQUENCE OF STEPS TAKEN BY THE ORGANIZATION
TO *continuously* BRING *value* TO THE USERS¹

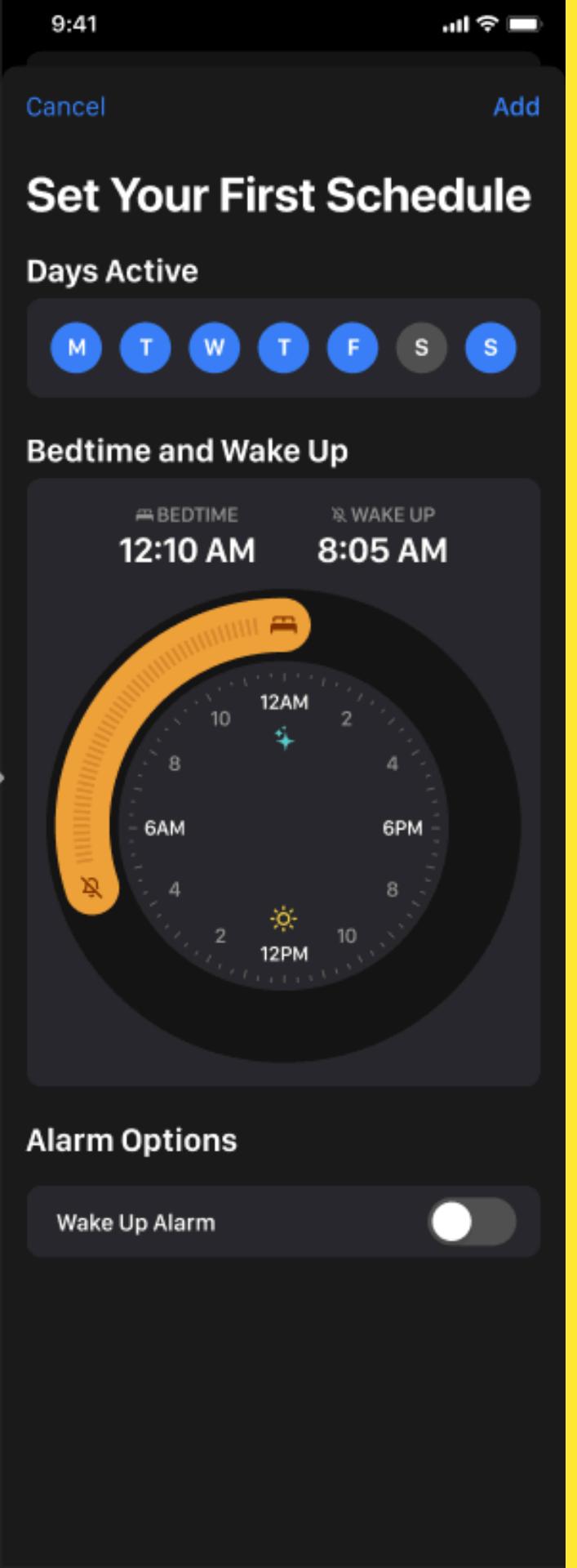
¹<https://www.cloudbees.com/blog/value-stream-management-software-delivery-visibility-and-insight>

JANE ANDROID DEVELOPER

6 – @vvsevolodovich



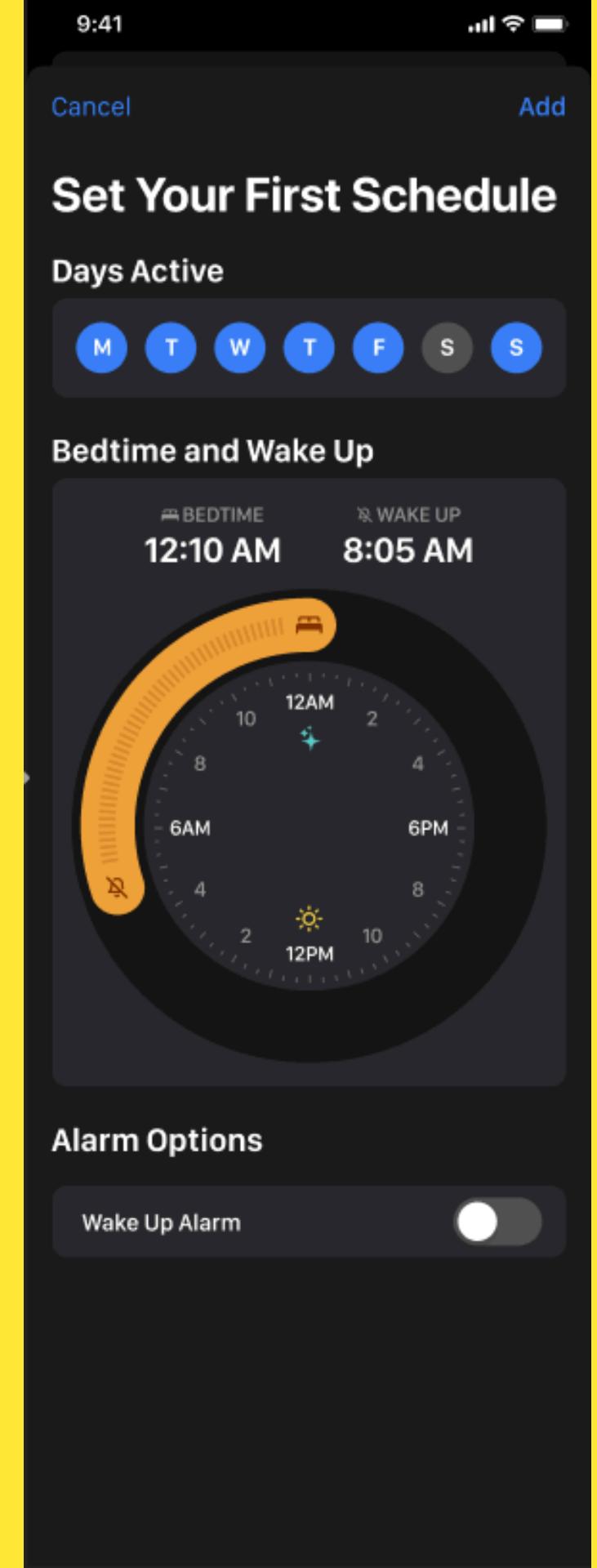
Screen design & requirements



Screen design&requirements



Code



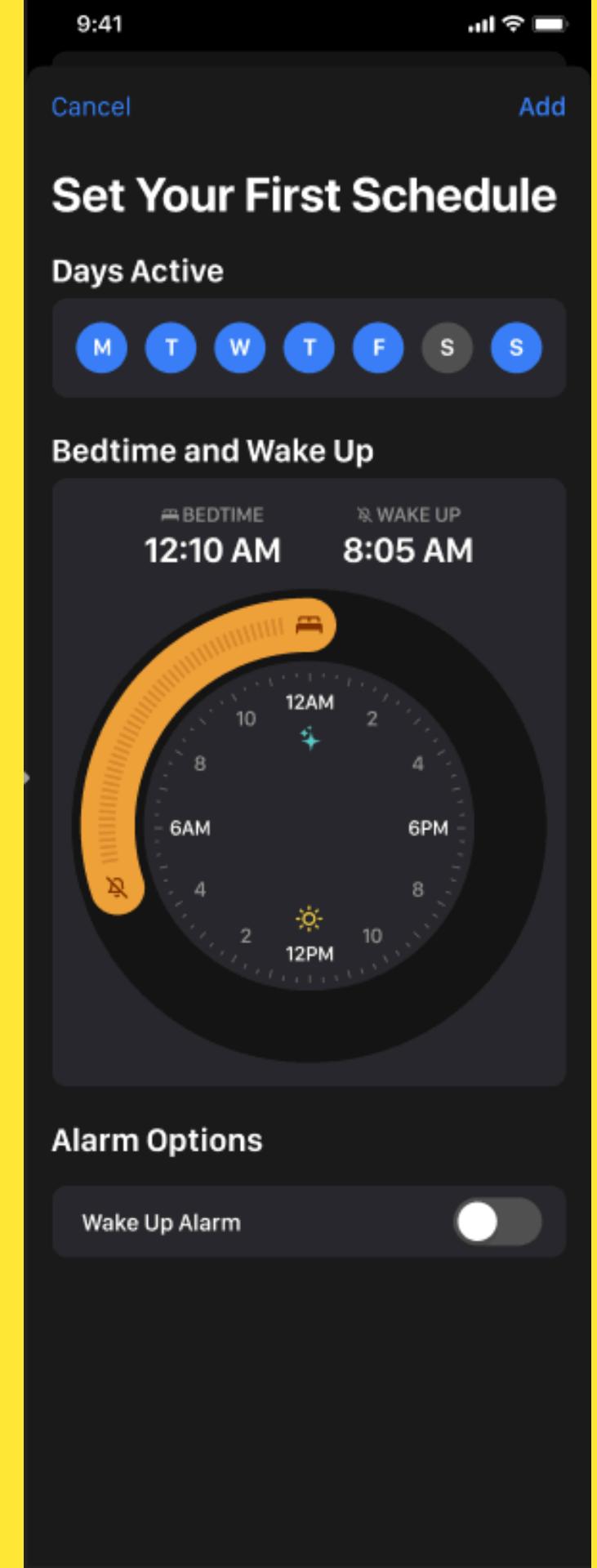
Screen design&requirements



Code



Unit tests



Screen design&requirements



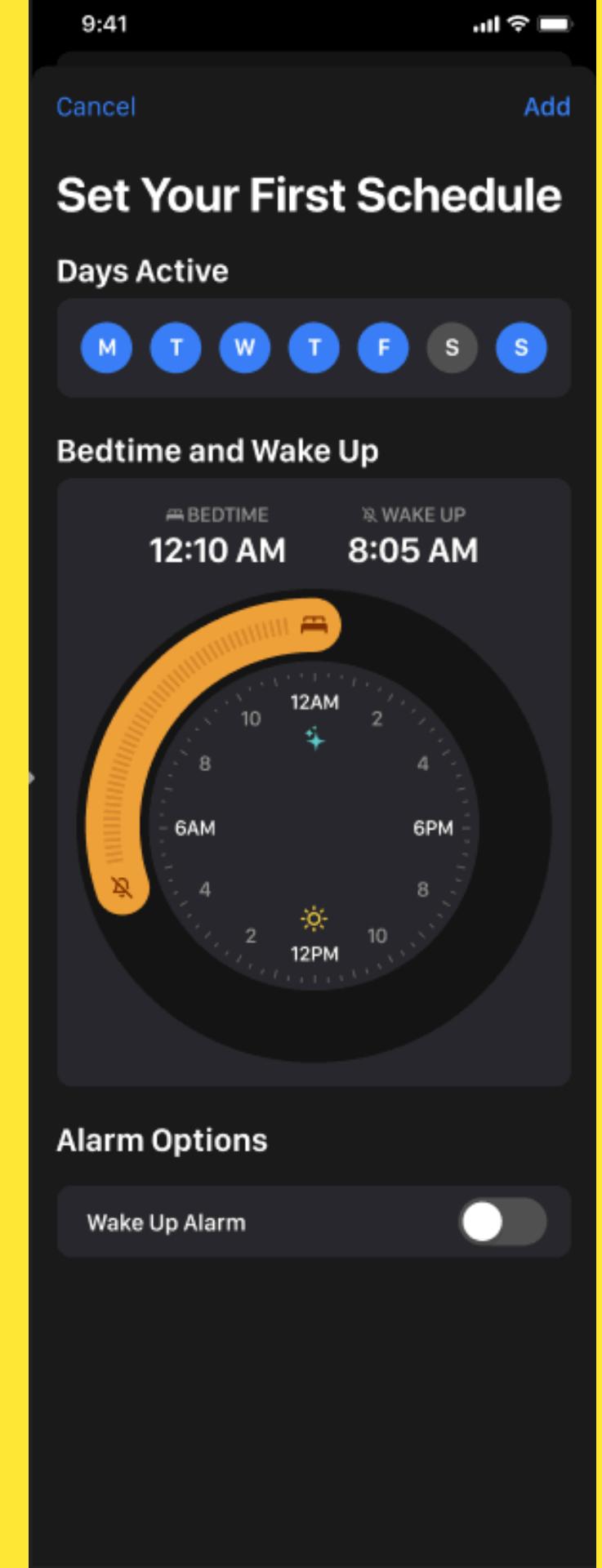
Code



Unit tests



Merge request



Screen design&requirements



Code



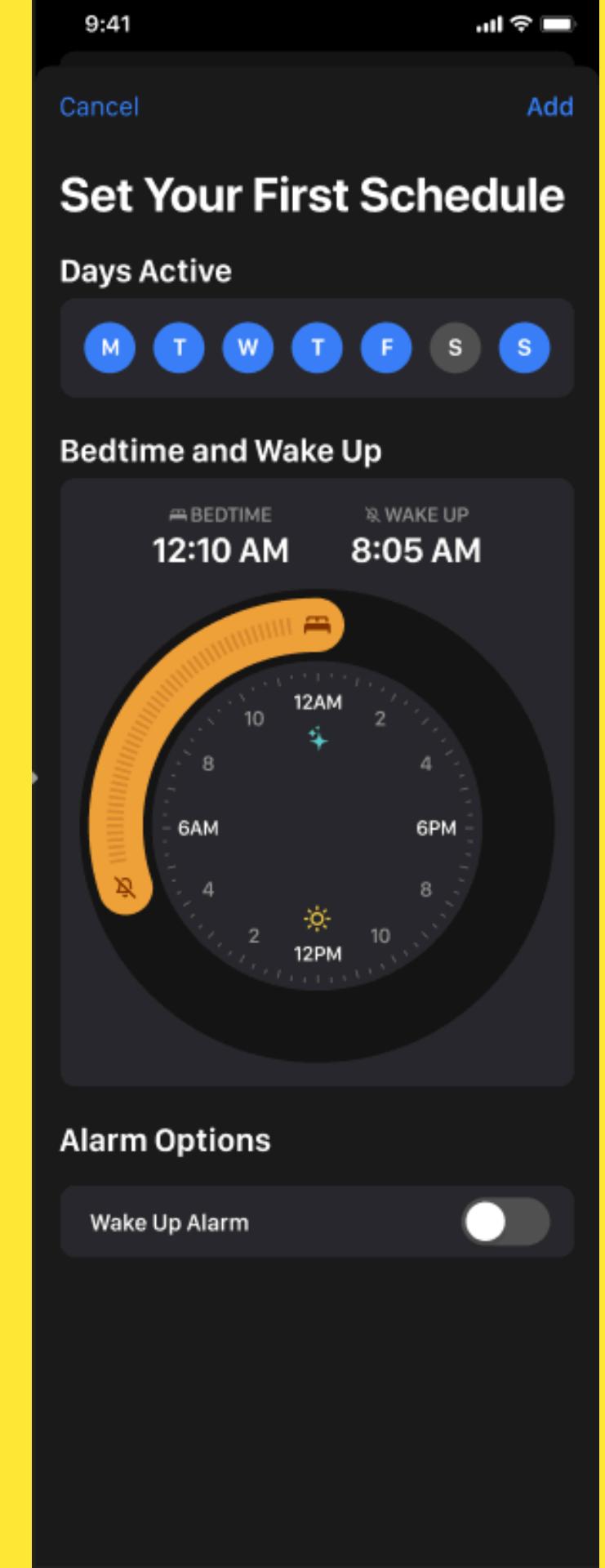
Unit tests

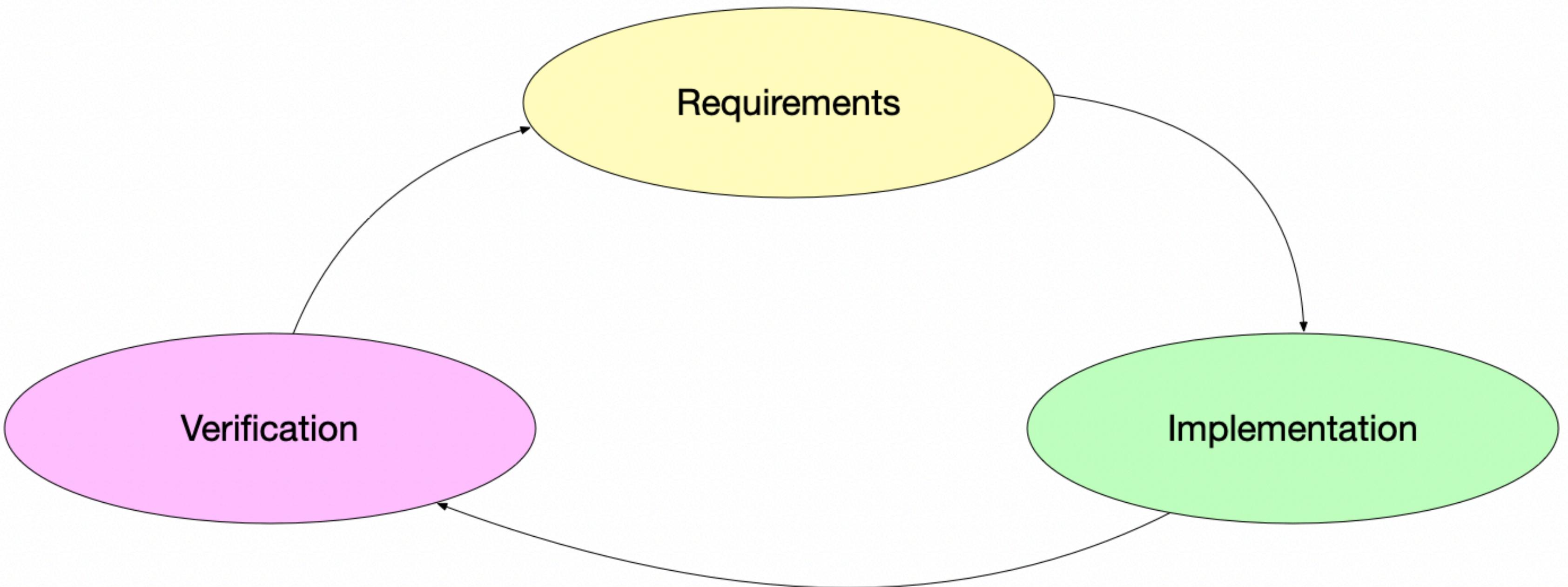


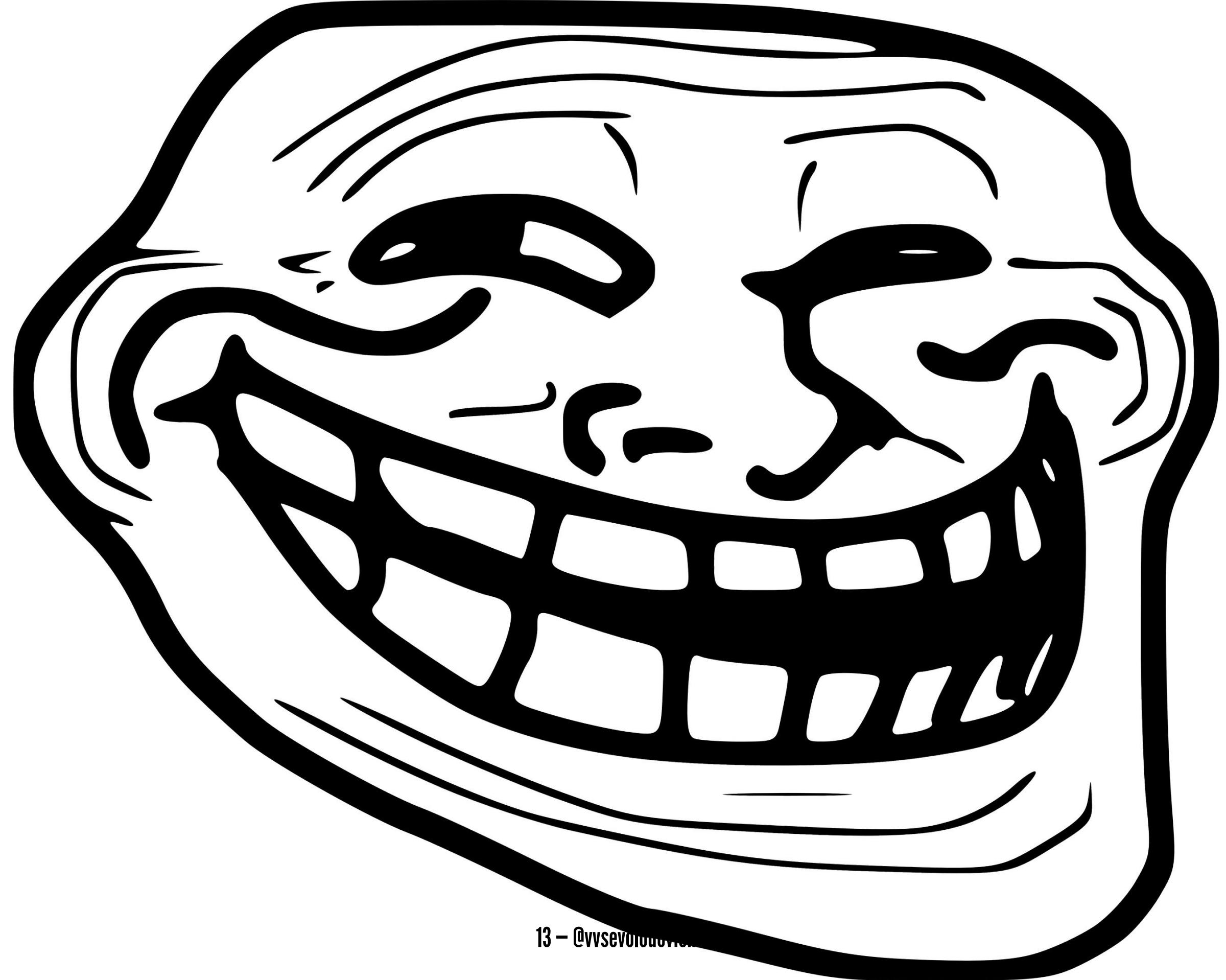
Merge request



Functional & Design Test







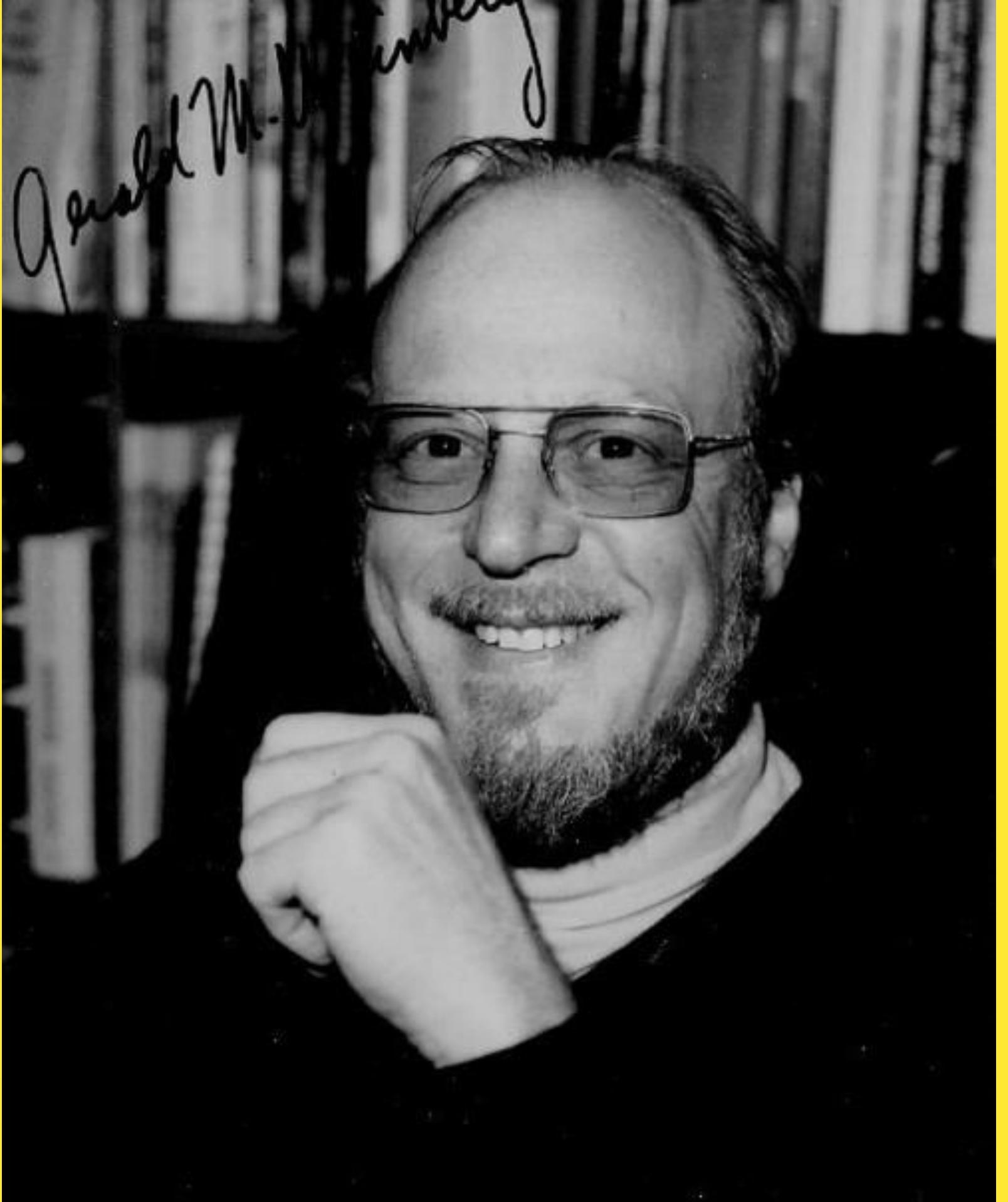
ISSUES

ISSUES

- ▶ Manual design verification 

ISSUES

- ▶ Manual design verification 
- ▶ Context Switch 



*Each extra task or ‘context’ you switch
between eats up 20–80% of your overall
productivity*

– Gerald Weinberg

Challenge!

**Guess how many times I switched between tasks during preparing this
talk**

IDEAS



IDEAS

- ▶ Introduce Storybook





Storybook

Build bulletproof UI components

HTTPS://GITHUB.COM/AIRBNB/SHOWKASE

Showkase



Navigation

Payments

Rows

Text

```
@Preview(  
    name = "Custom name",  
    group = "Custom group name"  
)  
@Composable  
fun MyComponent() { ... }
```

```
@ShowkaseComposable(  
    name = "Name of component",  
    group = "Group Name"  
)  
@Composable  
fun MyComponent() { ... }
```

```
List<Story> stories = [  
    HomeStory(),  
    SignInScreenStory()  
];  
  
void main() {  
    runApp(StoryboardApp(stories));  
}
```

```
import 'package:mypackage/contacts.dart';
import 'package:storyboard/storyboard.dart';

class ContactsListStory extends Story {

    @override
    List<Widget> get storyContent {
        return [ContactsList()];
    }
}
```

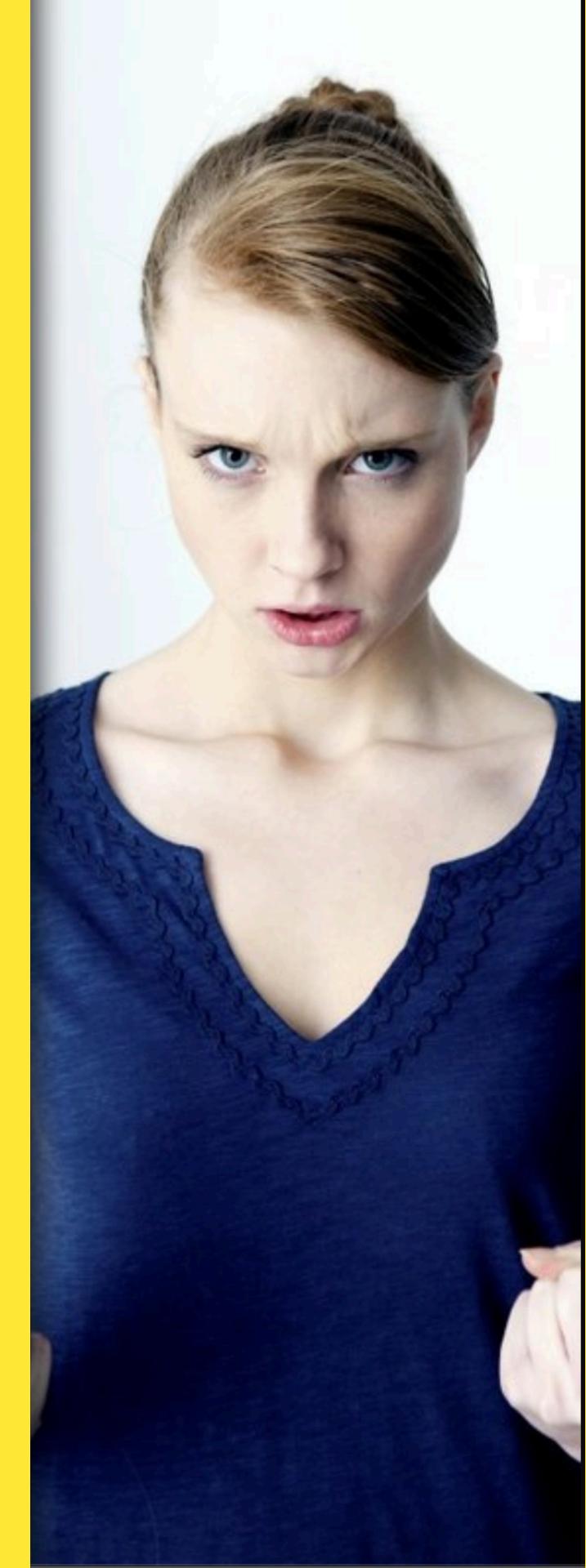
BENEFITS

**Fast Debug of a component
Easy way to share for design review**



Reduced Feedback loop 

**PIXEL PERFECT
IS STILL HARDLY
ACHIEVABLE**



WHAT IF ... ?



JETPACK COMPOSE FIGMA PREVIEW

```
@Preview  
@Composable  
fun figmaPreviewPreview() {  
    FigmaPreview(  
        fileId = "yourfileid",  
        id = "1:405",  
        token = "blablablayourtoken"  
    )  
}
```

FLUTTER FIGMA PREVIEW

```
Title(  
    title: "Full Screen Example - 2911:367",  
    color: Colors.black,  
    child: SafeArea(  
        child: FigmaPreview(  
            id: '1:295',  
            figmaToken: '1234567890xabcde',  
            fileId: fileId,  
            isFullScreen: true,  
            child: IncomingCallScreen(type: CallType.voice),  
        ),  
    ),  
)
```

```
Title(  
    title: "Full Screen Example - 2911:367",  
    color: Colors.black,  
    child: SafeArea(  
        child: FigmaPreview(  
            id: '1:295',  
            figmaToken: '1234567890xabcde',  
            fileId: fileId,  
            isFullScreen: true,  
            child: IncomingCallScreen(type: CallType.voice),  
        ),  
    ),  
)
```

```
Title(  
    title: "Full Screen Example - 2911:367",  
    color: Colors.black,  
    child: SafeArea(  
        child: FigmaPreview(  
            id: '1:295',  
            figmaToken: '1234567890xabcde',  
            fileId: fileId,  
            isFullScreen: true,  
            child: IncomingCallScreen(type: CallType.voice),  
        ),  
    ),  
)
```

```
Title(  
    title: "Full Screen Example - 2911:367",  
    color: Colors.black,  
    child: SafeArea(  
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            id: '1:295',  
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            fileId: fileId,  
            isFullScreen: true,  
            child: IncomingCallScreen(type: CallType.voice),  
        ),  
    ),  
)
```

```
Title(  
    title: "Full Screen Example - 2911:367",  
    color: Colors.black,  
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            figmaToken: '1234567890xabcde',  
            fileId: fileId,  
            isFullScreen: true,  
            child: IncomingCallScreen(type: CallType.voice),  
        ),  
    ),  
)
```

FLUTTER FIGMA PREVIEW

FLUTTER FIGMA PREVIEW

► Component Id

FLUTTER FIGMA PREVIEW

- ▶ Component Id
- ▶ File Id

FLUTTER FIGMA PREVIEW

- ▶ Component Id
- ▶ File Id
- ▶ Auth token

[Code](#)[Issues](#)[Pull requests](#)[Actions](#)[Projects](#)[Wiki](#)[Security](#)[Insights](#)[Settings](#)[master](#)[1 branch](#)[0 tags](#)[Go to file](#)[Add file](#)[Code](#) Vladimir Ivanov Update pubspec.yaml

374ab83 on Oct 13 11 commits

	lib	* Fix opacity	2 months ago
	media	Updates	2 months ago
	test	Use http2 to load the image	2 months ago
	CHANGELOG.md	Initial release	4 months ago
	LICENSE	Initial commit	4 months ago
	README.md	Add link to insert_component_id.js	2 months ago
	insert_component_id.js	Updates	2 months ago
	pubspec.yaml	Update pubspec.yaml	2 months ago

[1 branch](#)[0 tags](#)[Go to file](#)[Add file](#)[Code](#)

About



A Figma component preview for your Flutter widget

[Readme](#)[Apache-2.0 License](#)

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vivanov Vladimir Ivanov

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Script to Run

It's time to play

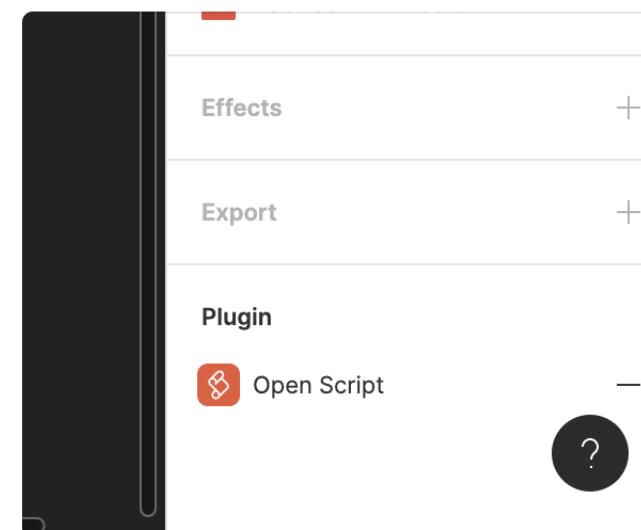


Figma Flutter Preview

Add component IDs to the selected master components

01

Select the layer card above and on the right side you will have an option to open script



02

Here is the code preview that you can adjust based on your needs. The same possibilities are available directly in Scripter

```

1 let selectedFrames = figma.currentPage.selection
2 let masterComponents = []
3
4 // Select all master components
5 selectedFrames.forEach(selectedFrame=>{
6   // For selected Frame
7   if(selectedFrame.type=="FRAME"){
8     let frameComponents = selectedFrame.findAll(n=>n.type==="COMPONENT")
9     if(frameComponents.length>0){
10       masterComponents=masterComponents.concat(frameComponents)
11     }
12   }
13
14 // For selected Component
15 if(selectedFrame.type=="COMPONENT"){
16   masterComponents = masterComponents.concat(selectedFrame)
17 }
18 })
19
20 // Working with component description
21 masterComponents.forEach(component => {
22   let componentDescription = component.description
23
24   // Add Component ID
25   addComponentID(component)
26
27   figma.notify("Component Description is updated")
28 })
29
30 function addComponentID(component){
31   // Check if we don't have component ID already
32   if(component.description.search("Design: ")===-1){
33     // Add Component description
34     component.description=component.description.concat("\nDesign: "+component.id)
35   }
36 }
37

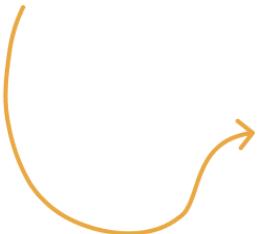
```

Get Figma Token

- The last step to perform

07

Open the [Figma API page](#) to create your own personal token. Save it for the Figma Flutter Preview



Access tokens

A personal access token gives the holder access to an account through the API as if they were the user who generated the token.

Generate a personal access token

1. Login to your Figma account.
2. Head to the **Account Settings** from the top-left menu inside Figma.
3. Find the **Personal Access Tokens** section.
4. Click **Create new token**.
5. A token will be generated. This will be your only chance to copy the token, so make sure you keep a copy of this in a secure place.

https://www.figma.com/file/jz3CgSeGbIFogKqsJBvoLh/Figma-Flutter-Preview?node-id=2%3A1

Slack | zed-round... vlivanov/flutter_fi... Figma Flutter Pre... +

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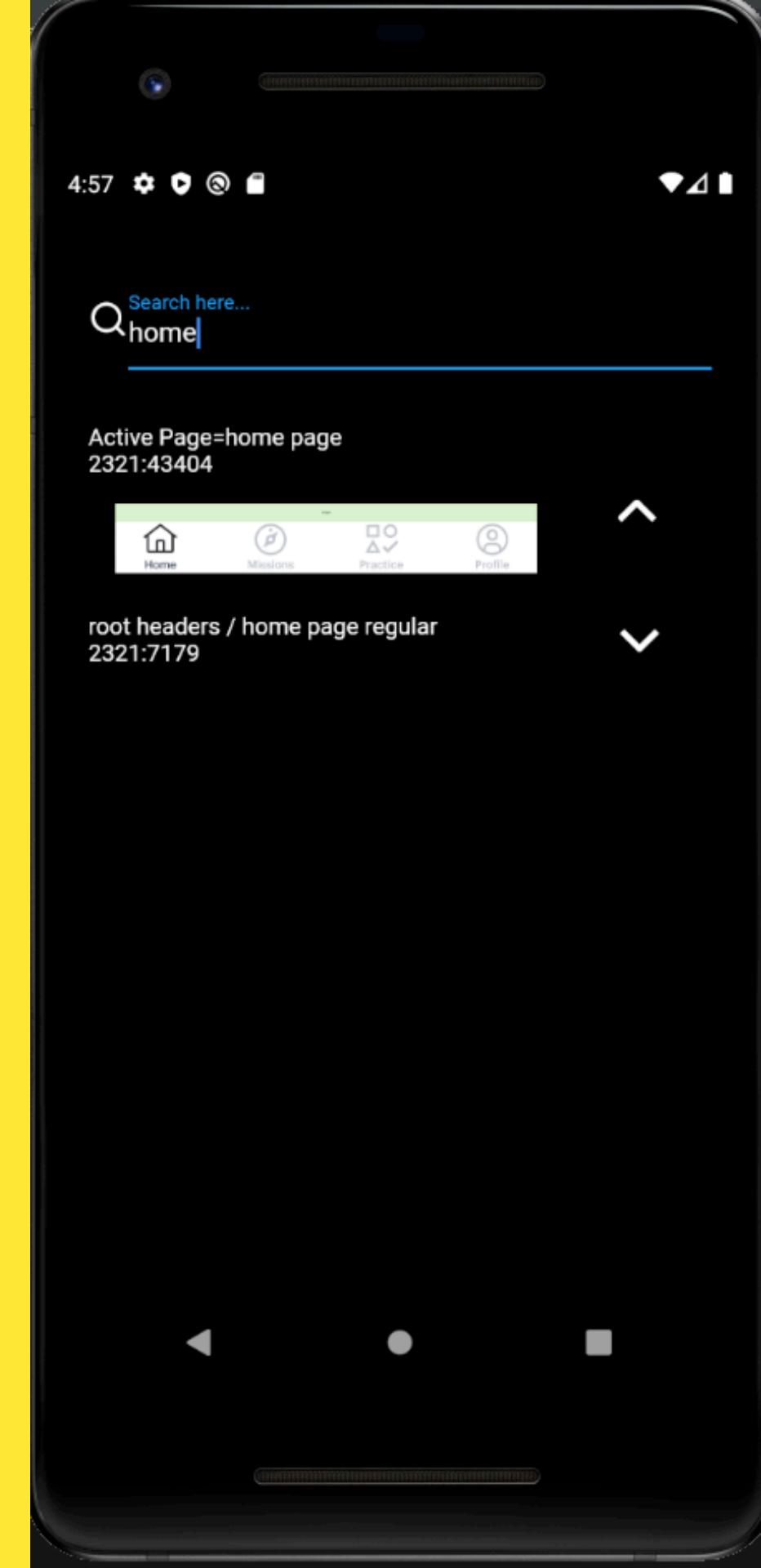
Inspect Export

11

Properties

Width	1440px
Height	900px
Top	0px
Left	15760px

SEARCH FOR IDS



TAKE AWAYS



TAKE AWAYS

- ▶ Feedback loop decreases your velocity



TAKE AWAYS

- ▶ Feedback loop decreases your velocity
- ▶ Use Storyboards to help your designer



TAKE AWAYS

- ▶ Feedback loop decreases your velocity
- ▶ Use Storyboards to help your designer
- ▶ Use JC Figma Preview/Flutter Figma Preview for an immediate feedback



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► [https://pub.dev/packages/
flutterfigmapreview](https://pub.dev/packages/flutterfigmapreview)



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