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Dynamic Widgets – Portals to your business

CocoaHeads Meetup – Radu Dan

Contents

What are widgets?

◎ Elevates key content from your app

◎ Small, medium, large

◎ With iOS 14 they were upgraded

Things to consider

○ Display useful content

○ Support for deep link

○ Tap targets should vary depending on your widget size

|

Things to consider

◯ Don't make them just to launch your app

◯ Supporting multiple sizes is better

◯ Make them unique

Top Widgets

> Support **dark mode**

> Don't overwhelm users with information

> Use system fonts & icons

Top Widgets

Screen size (portrait)	Small widget	Medium widget	Large widget
414x896 pt	169x169 pt	360x169 pt	360x379 pt
375x812 pt	155x155 pt	329x155 pt	329x345 pt
414x736 pt	159x159 pt	348x159 pt	348x357 pt
375x667 pt	148x148 pt	321x148 pt	321x324 pt
320x568 pt	141x141 pt	292x141 pt	292x311 pt

Image from: https://developer.apple.com/design/human-interface-guidelines/ios/system-capabilities/widgets

WidgetKit

- Users can personalize widgets

- Users can arrange their widgets

- SiriKit

Implementation

- Is a protocol

- Three components: configuration, timeline provider and views

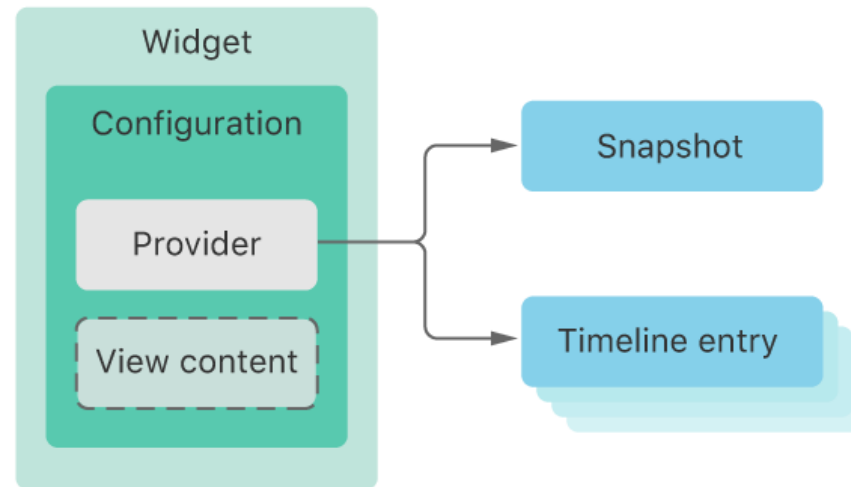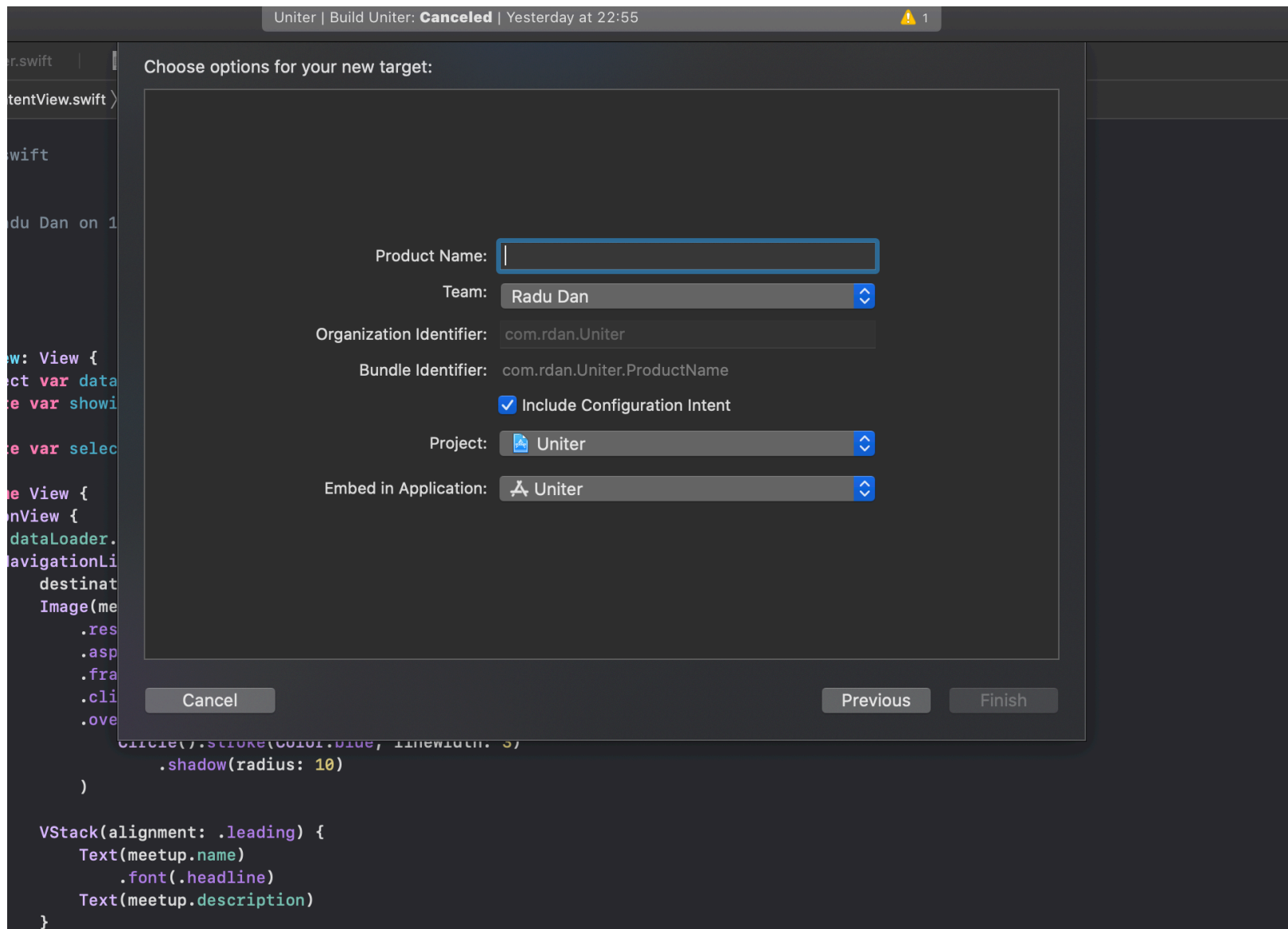- With Siri you can let users customize their widgets

Implementation

Image from: https://developer.apple.com/documentation/widgetkit

Configuration

◯ Create a widget extension

◯ Static configuration

◯ Intent configuration

Uniter | Build Uniter: **Canceled** | Yesterday at 22:55 ⚠ 1

r.swift

tentView.swift 〉

swift

du Dan on 1

Choose options for your new target:

Product Name: | |

Team: Radu Dan

Organization Identifier: com.rdan.Uniter

Bundle Identifier: com.rdan.Uniter.ProductName

☑ Include Configuration Intent

Project: Uniter

Embed in Application: Uniter

Cancel   Previous   Finish

```
w: View {
ct var data
e var showi

e var selec

e View {
nView {
dataLoader.
JavigationLi
    destinat
    Image(me
        .res
        .asp
        .fra
        .cli
        .ove
Circle().stroke(Color.blue, lineWidth: 3)
        .shadow(radius: 10)
    )

VStack(alignment: .leading) {
    Text(meetup.name)
        .font(.headline)
    Text(meetup.description)
}
```

Demo

Unifier

Recap

〉 Communicate with your clients often

〉 Design top widgets

〉 Users are focused on the information important to them

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Thank you.

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