## Designing Across Platforms

Session 804

Cas Lemmens, Designer






## 




watchOS
iOS

macOS

tvOS

watchOS
iOS
macOS

tvOS


watchOS

macOS

tvOS





5

Select


5

Select



4

Select
Adapt



Select
Adapt
Conform






Select

2

Adapt

3

Conform

4 5

Extend


Select

2

Adapt

3

Conform

4
5

Extend

## Context and Capabilities



## Capabilities

## Context

Always on, always with you
Mobile
Personal and private
Short engagement

## Capabilities

## Context

Always on, always with you
Mobile
Personal and private
Short engagement

## Capabilities

Background processes
Environment aware
Touch ID
Touch screen

Context


## Capabilities

## Context

Always on, always with you
Personal and private
Instant
Very short interactions

## Capabilities



## Context

Always on, always with you
Personal and private
Instant
Very short interactions


## Capabilities

Movement Tracker
Heart Rate Monitor
Haptics
Watch Faces


## Capabilities



## Capabilities



## Capabilities

Large screen
Ambient light sensor
High fidelity speaker
Touch screen

## Context

Both home and mobile
Precise and focused
Lean back
Long engagements


## Capabilities

Large screen
Ambient light sensor
High fidelity speaker
Precise Interaction

Context
Capabilities


Context Professional
Precise and complex

Shared but personal


Long engagements

## Capabilities

Context


Long engagements

## Capabilities

High performance
Keyboard and mouse
Multitasking
Multi user

## Context

Capabilities


## Context

## Capabilities

Shared<br>Stationary<br>Lean back<br>Long engagement

## Context

## Capabilities

Shared
Stationary
Lean back
Long engagement


HD display
Remote control input
Home aware
10 foot optimised


Activity

Activity
Mobile

## Activity

Mobile
Personal

Mobile

- Stationary






GarageBand


# GarageBand 

Precise



# GarageBand 

Precise

Multi Task

```
Loose
Interaction
Precise
Interaction
```




Single Task


Single Task


Single Task

## Select

## 1 <br> Select

Select based on Context and Capabilities

## Select

Select based on Context and Capabilities
Validate where your app benefits


Select

2

Adapt

3

Conform

4 5

Extend


Select

2

Adapt

3

Conform

4

Extend


Select


Adapt

Conform

4
5

Extend



See Workout Detail
Share Workout

## See All Workouts

Manage Workouts
Filter Workouts

Message Friends

## See Friend's Progress

## Sort Friends

Manage Friends

Manage Progress History


Share Progress

## See Daily Progress

See Progress History

Share Achievement

## See All Achievements

See Single Achievement

## See Workout Detail

Share Workout


## Sort Friends

Manage Progress History

## See Daily Progress

See Progress History

Share Achievement

## See All Achievements



## Sort Friends

## Add Workout

Message Friends

See Friend's Progress


See Daily Progress

## Set Move Goals



Adapt

## Adapt

Prioritize based on Context and Capabilities

## Adapt

Prioritize based on Context and Capabilities
Consider features based on unique capabilities




MacBook Pro


Photoshop Express
Photoshop Fix


Photoshop Mix



Select
Adapt

Conform

4

Connect

Extend



Select


Conform

4

Connect

Extend


Consistent

## Consistent = Identical

## Brand <br> Consistency

## Brand <br> Consistency

Platform
Consistency

## Brand <br> Consistency <br> Platform <br> Consistency



|  |  | Title 1 | $\text { Title } 1$ |
| :---: | :---: | :---: | :---: |
|  |  | Title 2 | Title 2 |
|  |  | Title 3 | Title 3 |
|  | Headline | Headline | Headline |
|  |  | Callout | Callout |
|  | Body | Body | Body |
|  |  | Subhead | SUBHEAD |
|  | Foomote | Footnote | Footnote |
|  | Caption | Caption | Caption1 |
|  | Capion2 | Capition | Caption2 |



Hello world!

## «́tv <br> Hello world!



Hello world!

## étv <br> Hello world!



Hello world!


$$
\text { (C): } \quad \begin{gathered}
1-1.5 \mathrm{ft} \\
30-40 \mathrm{~cm}
\end{gathered}
$$



Hello world!

C

$$
\begin{gathered}
7-10 \mathrm{ft} \\
2-3 \mathrm{~m}
\end{gathered}
$$

Hello world!

If you don't use a single-device remote, select an unused device setting on your other remote before you start. Then select Start using your Remote.

## Start

Cancel


If you don't use a single-device remote, select an unused device setting on your other remote before you start. Then select Start using your Remote.









## (3) <br> Conform

## Conform

Balance between brand and platform guidelines

## 3 <br> Conform

Balance between brand and platform guidelines
Make your brand recognizable

## Conform

Balance between brand and platform guidelines
Make your brand recognizable
Align to platform guidelines



Here Is How It Works:






$$
\begin{array}{lr}
\text { O- } & \text { Exit } \\
\text { Enter }
\end{array}
$$



Enter
Exit

Exit


Enter

| 80 |
| :---: |
| 80 |


--.................-
Exit
Enter


Exit
Enter


```
Exit Enter
```






```
End
Start
```






Find My iPhone



## Set Up Your Apple TV

1 Unlock your Phone, Pad, or ipod touch
2 Connect to a Wi-Fi network
3 Enable Bluetooth
4 Hold the device close to your Apple TV


Set Up Your Apple TV
1 Unlock your Phone, Pipa, or orpod touch
2 Connect to a Wi-Fi network
3 Enable Bluetooth
4 Hold the device close to your Apple TV


## 4 <br> Connect

## 4 <br> Connect

Recreate state based on last usage

## Connect

## Recreate state based on last usage

Allow for quick setup on new platforms



## Instagram

Sign up to see photos and videos from your friends.

Log In With Facebook

Sign Up With Phone or Email












## Make it Effortless





## Give Clear Control





Make it Optional

## Extend

## 5 <br> Extend

Look for opportunities in combined capabilities

## 5 <br> Extend

Look for opportunities in combined capabilities
Give clear control

## 5 <br> Extend

## Look for opportunities in combined capabilities

Give clear control
Make it optional

## 5

## Extend

Look for opportunities in combined capabilities
Give clear control
Make it optional
Make it effortless















## A holistic experience that's greater than its parts.

## More Information

https://developer.apple.com/wwdc17/804

## Related Sessions

| Introducing Passwords AutoFill for Apps |  | WWDC17 |
| :--- | :--- | :--- |
| Essential Design Principles | WWDC17 |  |
| Designing Sound | Hall 3 | WWDC17 |
| Modern User Interaction on iOS | Hall 2 | WWDC17 |
| Design For Everyone | Grand Ballroom B | Thursday 5:10PM |
| Building Visually Rich User Experiences |  | Thursday 5:10PM |
| Planning a Great Apple Watch Experience |  |  |

## C'WWDC17

