Designing Across Platforms

Session 804

Cas Lemmens, Designer
watchOS

iOS

macOS

tvOS
Select 1 → Adapt 2

3 4 5
Select 2 Adapt Conform
Select
Adapt
Conform
Connect
1. Select
2. Adapt
3. Conform
4. Connect
Select 1  |  Adapt 2  |  Conform 3  |  Connect 4  |  Extend 5
Select
Adapt
Conform
Connect
Extend
Context and 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
Always on, always with you
Personal and private
Instant
Very short interactions
Context
Always on, always with you
Personal and private
Instant
Very short interactions

Capabilities
Movement Tracker
Heart Rate Monitor
Haptics
Watch Faces
CapabilitiesContext
Context
Both home and mobile
Precise and focused
Lean back
Long engagements

Capabilities
Context
Both home and mobile
Precise and focused
Lean back
Long engagements

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
- Professional
- Precise and complex
- Shared but personal
- Long engagements

Capabilities
Context
- Professional
- Precise and complex
- Shared but personal
- Long engagements

Capabilities
- High performance
- Keyboard and mouse
- Multitasking
- Multi user
Context

Shared
Stationary
Lean back
Long engagement

Capabilities
Context
- Shared
- Stationary
- Lean back
- Long engagement

Capabilities
- HD display
- Remote control input
- Home aware
- 10 foot optimised
GarageBand
Precise
Multi Task
Multi Task

Single Task

Precise Interaction

Loose Interaction

Single Task
Select
Select based on Context and Capabilities
Select based on Context and Capabilities

Validate where your app benefits
Select
Adapt
Conform
Connect
Extend
Adapt

Prioritize based on Context and Capabilities
Adapt

Prioritize based on Context and Capabilities

Consider features based on unique capabilities
Flying High, Above and Beyond the Routine

By JULIET MACUR
Last Updated: July 13, 2016

SAN JOSE, Calif. — At the United States Olympic women's gymnastics trials, tears were shed.
Select 2 Adapt 3 Conform 4 Connect 5 Extend
Select — Adapt — Conform — Connect — Extend
Consistent
Consistent ≠ Identical
Brand Consistency
Brand Consistency  
Platform Consistency
Human Interface Guidelines

Get in-depth information and UI resources for designing great apps that integrate seamlessly with Apple platforms.

macOS ➔ iOS ➔ watchOS ➔ tvOS ➔ CarPlay ➔
Hello world!
Hello world!
Hello world!

- 0.5 - 1 ft (15 - 30 cm)
- 1 - 1.5 ft (30 - 40 cm)
- 7 - 10 ft (2 - 3m)
Learn Remote

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
Learn Remote

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
3
Conform
Conform

Balance between brand and platform guidelines
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
Long ago, in a little island called Elysium, on the west coast of Phoinice, there lived a king named Odysseus, who had a large and wondrous kingdom. It was a land of peace and prosperity, where the people lived in harmony and contentment. The king was just and wise, and his kingdom was feared and respected throughout the known world.

The island was surrounded by beautiful mountains and forests, and the sea was serene and calm. The people of Elysium were known for their skill and courage, and they were respected by all who knew them.

But Odysseus was not satisfied with his kingdom. He longed for adventure and discovery, and he set out on a journey to explore the unknown lands and peoples of the world. He sailed his ship across the seas and crossed the deserts, seeking out new lands and cultures.

Through his travels, Odysseus learned many things about the world and its people. He encountered strange creatures and ancient gods, and he witnessed wonders that left him awe-struck. But his greatest adventure was yet to come.
8 BICYCLE CRUNCHES

Don't rush through each crunch.
Here Is How It Works:
California Farmers’ Market

The California Farmers’ Markets are known for their ability to showcase high quality, trend setting fruits and vegetables which have provided a source of education for numerous food editors and writers around the country who come to the Farmers’ Markets just to learn about the new explosion of varieties that are offered.
Find My iPhone

Apple ID  example@icloud.com
Password  required

Sign In...
Find My iPhone

Apple ID: example@icloud.com
Password: required

Sign In...
Set Up Your Apple TV

1. Unlock your iPhone, iPad, 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 iPhone, iPad, or iPod touch
2. Connect to a Wi-Fi network
3. Enable Bluetooth
4. Hold the device close to your Apple TV
Connect

Recreate state based on last usage
Connect

- Recreate state based on last usage
- Allow for quick setup on new platforms
Select  Adapt  Conform  Connect  Extend
Make it Effortless
Give Clear Control
TRIP OBJECTIVES

WELCOME TO THE LAND OF FIRE AND ICE

The aims of this field trip exploring Iceland’s unique geology and geography are:

• Gather primary field data
• Research specialist subject for essay
• Use data as basis for coursework

AGENDA

DAY 1
Morning: Arrival, introduction to Iceland’s geology
Afternoon: Visit to volcanic landscape

DAY 2
Morning: Field trip to geothermal area
Afternoon: Analysis of geothermal processes

DAY 3
Morning: Exploring glacial landscapes
Afternoon: Fieldwork and data collection

DAY 4
Morning: Visit to historical sites
Afternoon: Research on cultural aspects

DAY 5
Morning: Fieldwork in icelandic arctic
Afternoon: Presentation of findings

DAY 6
Morning: Final field day
Afternoon: Preparation for essay

DAY 7
Morning: Writing workshop
Afternoon: Final presentation

DAY 8
Morning: Final presentation
Afternoon: Departure
TRIP OBJECTIVES

WELCOME TO THE LAND OF FIRE AND ICE

The aims of this field trip exploring Iceland’s unique geology and geography are:

- Gather primary field data
- Research specialist subject for essay
- Use data as basis for coursework
Make it Optional
Extend
Look for opportunities in combined capabilities

Extend
Look for opportunities in combined capabilities
Give clear control
5

Extend

Look for opportunities in combined capabilities

Give clear control

Make it optional
Look for opportunities in combined capabilities

Give clear control

Make it optional

Make it effortless
1. Select
2. Adapt
3. Conform
4. Connect
5. Extend
Select - Adapt - Conform - Connect - Extend
Select
Adapt
Conform
Connect
Extend
Select, Adapt, Conform, Connect, Extend
Select - Adapt - Conform - Connect - Extend
A holistic experience that’s greater than its parts.
More Information

### Related Sessions

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<tr>
<th>Title</th>
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<td>Introducing Passwords AutoFill for Apps</td>
<td></td>
<td>WWDC17</td>
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<tr>
<td>Essential Design Principles</td>
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<td>WWDC17</td>
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<tr>
<td>Designing Sound</td>
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<td>Modern User Interaction on iOS</td>
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<tr>
<td>Design For Everyone</td>
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