

# **Everyday Today Extensions**

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The logo for Maple Pixel is located on the left side of the image. It features a stylized red maple leaf with a white square in the center. The square contains a grey pixelated character with a white square for a head and a red triangle for a body. The text 'Maple Pixel' is written in a light grey, sans-serif font across the middle of the image, serving as a background for the main text.

# **Maple Pixel**

**Everyday Transit 1.0 ... coming  
this month!!!**

**Initial Experience w/  
Today Extensions**

# Everyday Today Extensions

1. *What*
2. *How*
3. Everyday Transit *Demo*

# WHAT - App Extensions

- Not an App
- **Container** App
- **Host** App

# Lifecycle

1. User choses App Extension
2. System Launches App Extension
3. App Exention Code Runs
4. System Kills App Extension

# Communication

- Host App <-> App Extension 👍
- Containing App <-> App Extension 👎
- Not the wholes story

# Restrictions

- Access a sharedApplication object 👎
- Access the camera or microphone 👎
- Long running background tasks 👎
- Receive data from AirDrop 👎



# WHAT - Today Extensions

- Called widgets
- Host App is Today View
- Controversial ...

# HOW

- Understand Today Widgets
- Use Xcode Templates
- Design the UI
- Update Content
- Specify When a Widget Should Appear
- ...

**DEMO**

# Tips so far ...

- Use AutoLayout!
- Use UserDefaults to share data!
- Use Frameworks for code reuse!

# References

- Apple's Extension Programming Guide [bit.ly/1CROavy](http://bit.ly/1CROavy)
- Ray Wenderlich: [bit.ly/1wOP4Vd](http://bit.ly/1wOP4Vd)
- TutsPlus: [bit.ly/1BTN7Kb](http://bit.ly/1BTN7Kb)
- AppCoda: [bit.ly/165TC17](http://bit.ly/165TC17)

**That's it -  
Questions ?!?**