

DEBUGGING TAKES TIME



Can we speed it up?

Dal Rupnik





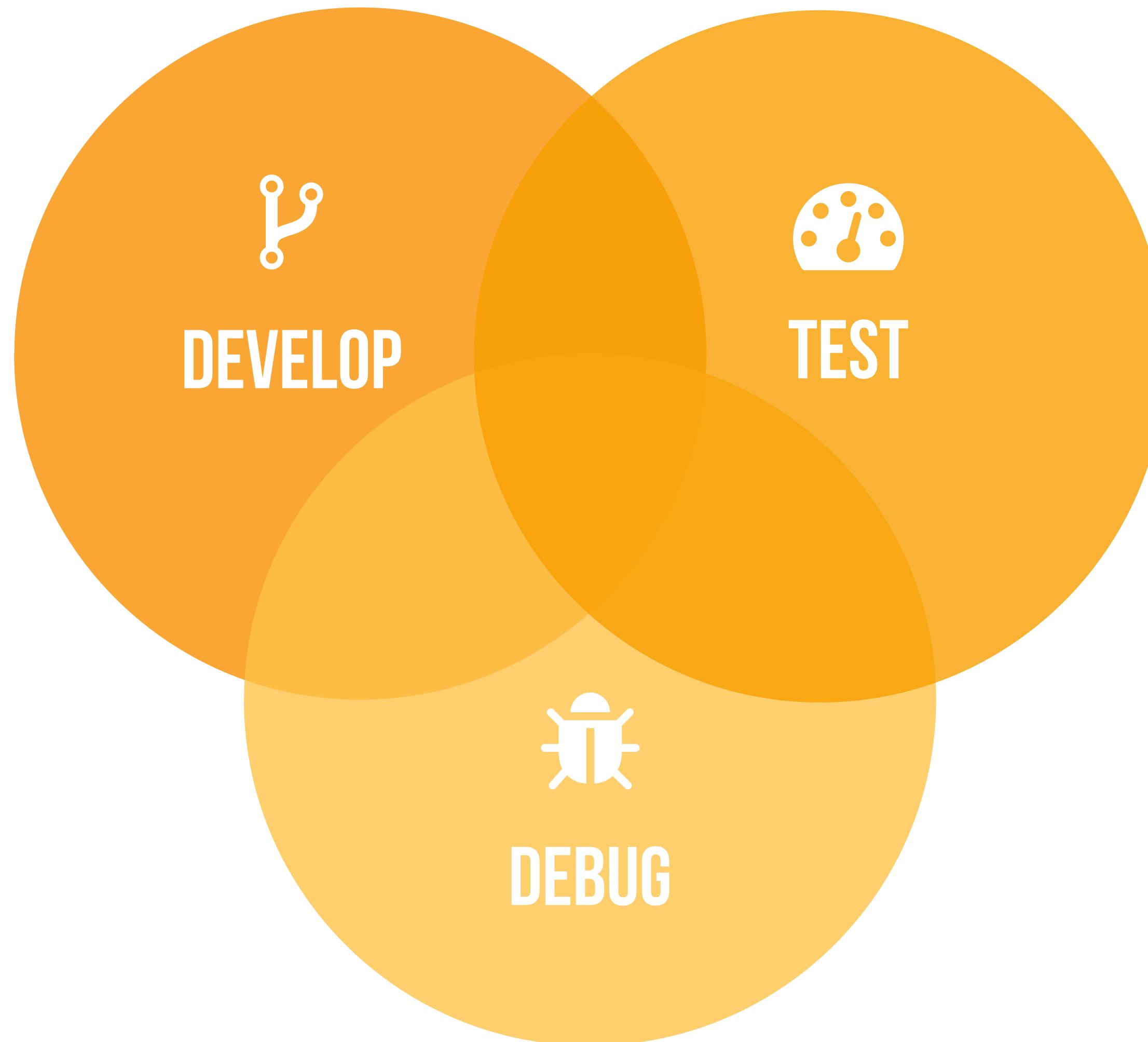
HOW MUCH TIME DO WE SPEND



DEBUGGING?

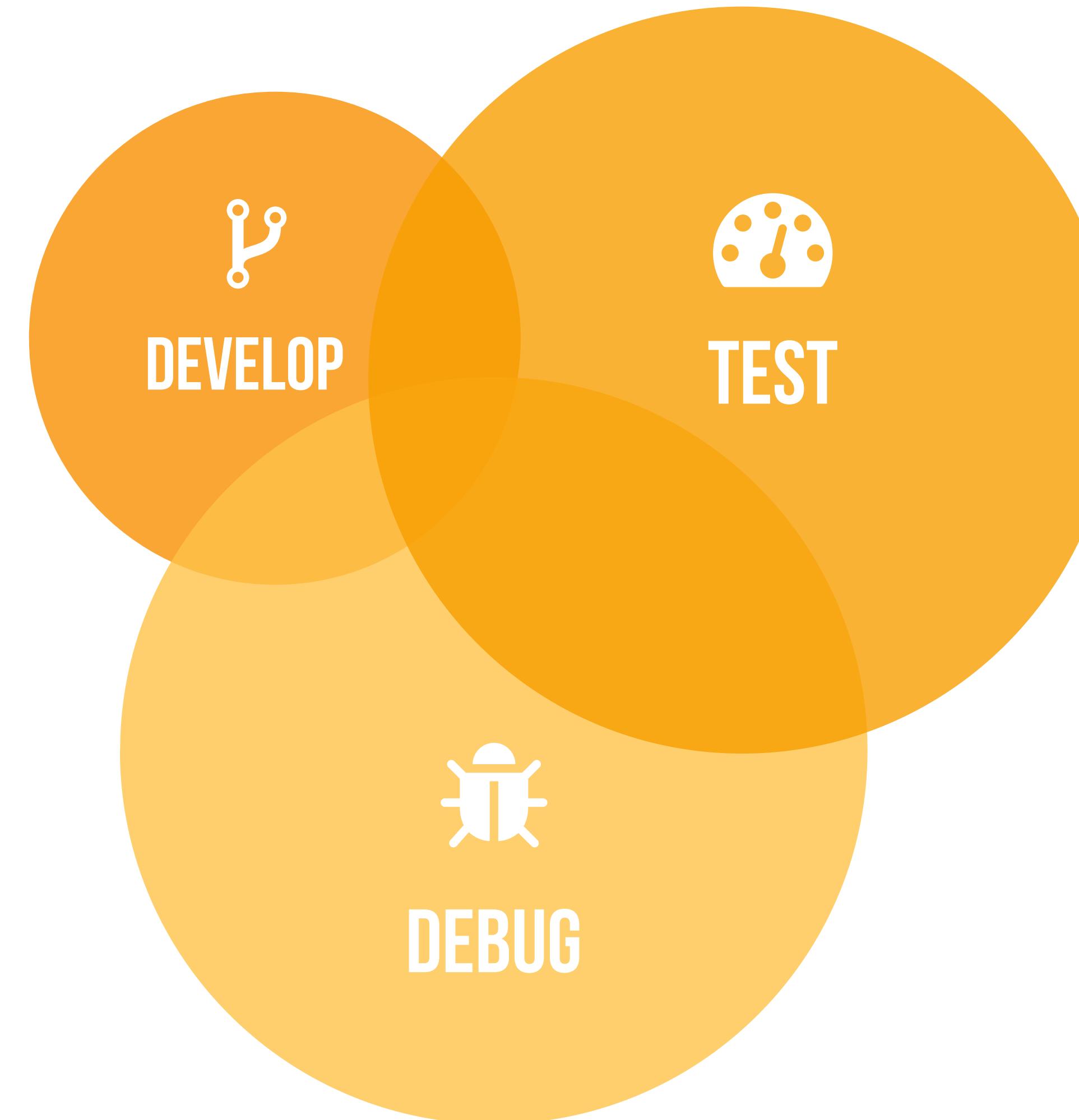
HOW MUCH TIME

does it



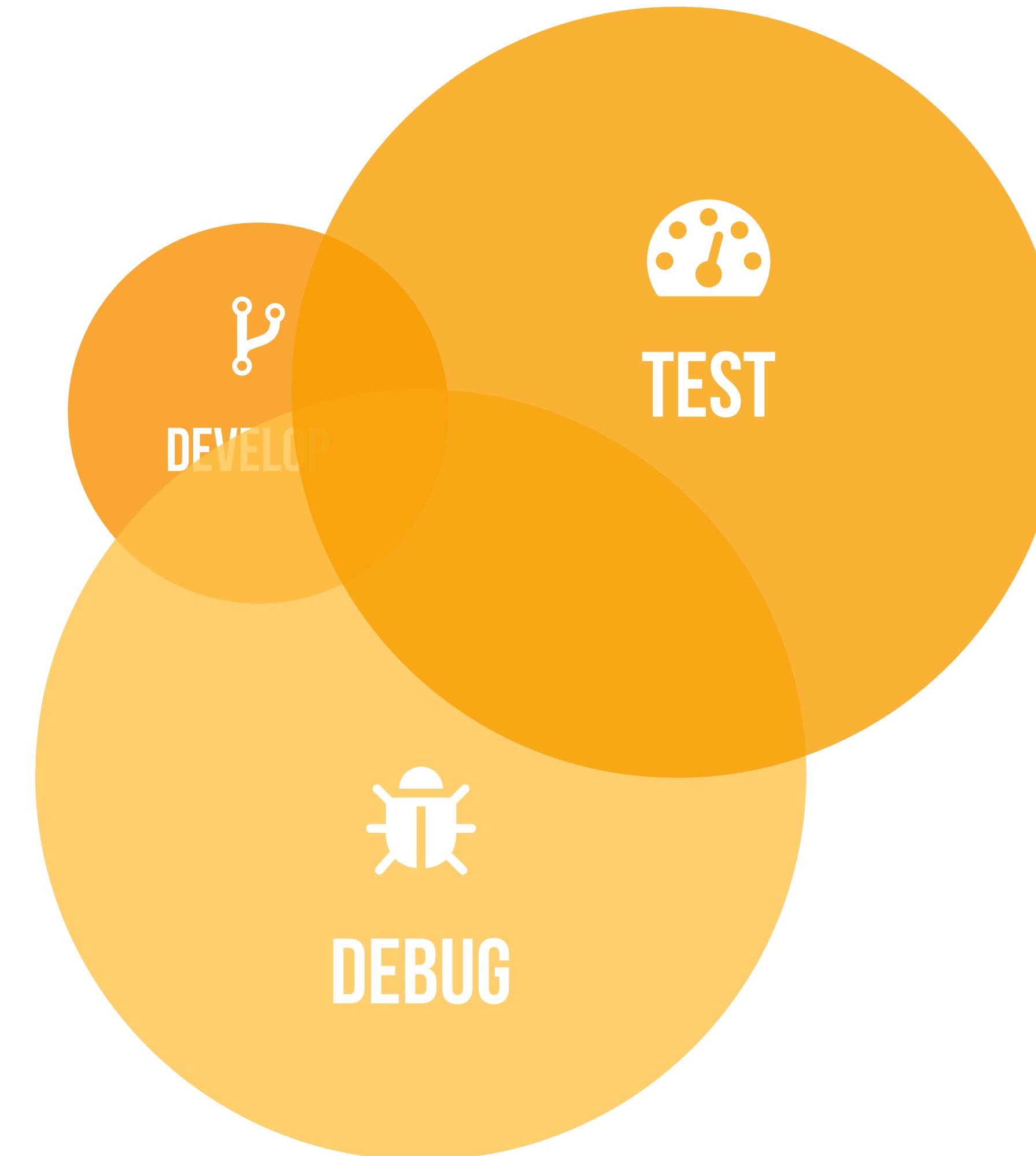
HOW MUCH TIME

does it



HOW MUCH TIME

does it



A photograph of a paved road curving through a dense forest of tall, thin pine trees. The road has a yellow center line and some fallen leaves on the sides. The sky is overcast.

SO, CAN WE
SPEED IT UP?



YES!



The background of the image is a photograph of the Golden Gate Bridge in San Francisco, California. The bridge is visible across a body of water, with mountains in the distance. In the foreground, there's a sandy beach with some rocks and waves crashing onto it. The overall lighting suggests either a sunrise or sunset.

**DOES APPLE DO
ANYTHING?**

OF COURSE.

THEY DO A LOT!



XCODE 7

This year's large update to developer tools from Apple. Brings many new features, including Swift 2.0, iOS9 SDK, 10.11 SDK, watchOS 2.0 SDK and more.

TESTING

Update to testing in Xcode 7



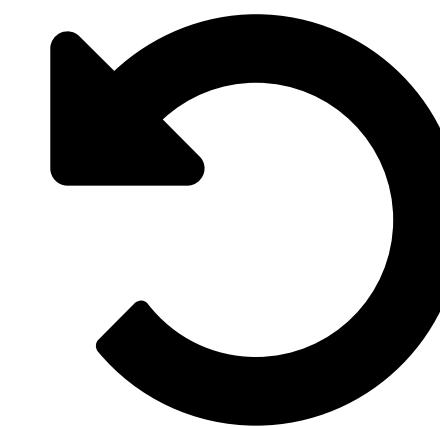
Performance Testing

Code Coverage

Unit Testing

User Interface Testing

Crash Logs



CONTINUOUS INTEGRATION

Each commit should be tested on a clean system that is integrated with your repository. We are immediately notified of any errors.



IS THIS ALL THAT
IS OUT THERE?

The background image shows a dark, atmospheric city street scene with tall buildings and a yellow bus sign.

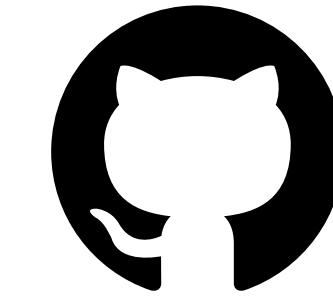
A wide-angle photograph of the interior of Grand Central Terminal in New York City. The image shows the iconic concourse with its high ceilings, stone walls, and arched windows. People are walking across the floor, and various signs and ticket machines are visible along the sides. A large American flag is partially visible on the left. The overall atmosphere is grand and busy.

I THINK NOT!



OPEN SOURCE

solves





XCODE PLUGINS

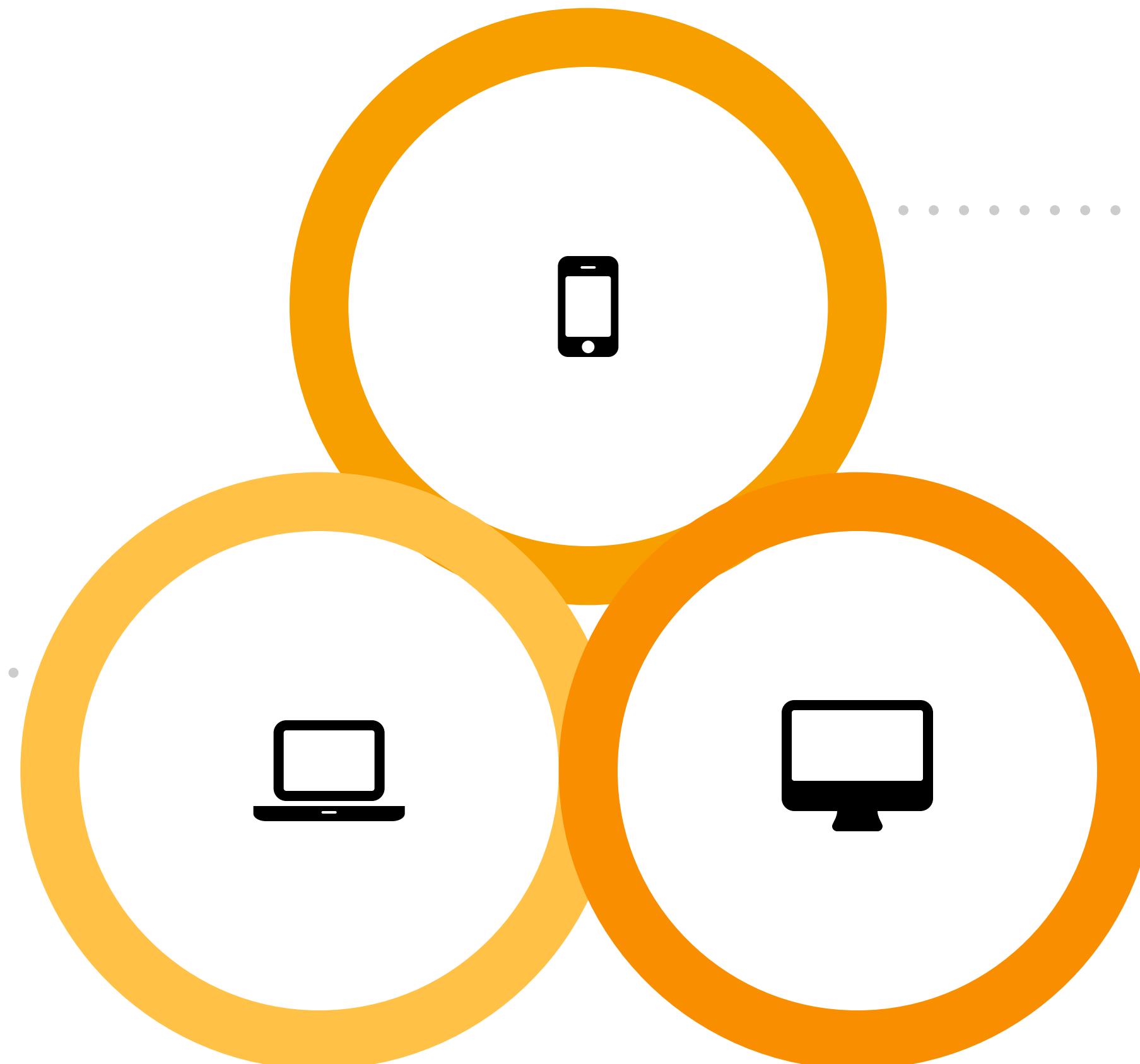
have

ALCATRAZ

Is a simple, yet beautiful package manager for Xcode. Its features include discovery of the plugins, editor themes and file templates and installing them with a single click.

RUN EVERYWHERE

Run and stop applications on all connected iOS devices with one command.



REMOTE

Control iOS device remotely from a window on Mac. Record macros and replay them.

XPROBE

Browse memory in realtime in a web view on your Mac. Even displays an object graph.

The background image shows a sunset over a pier. The sky is filled with warm orange and yellow hues, transitioning into cooler blues at the horizon. A large, dark silhouette of a whale is visible in the water to the right. On the left, the dark silhouette of a pier extends into the ocean. A few small boats are scattered across the water. In the foreground, the dark, textured surface of the ocean is visible.

AMAZING TOOLS

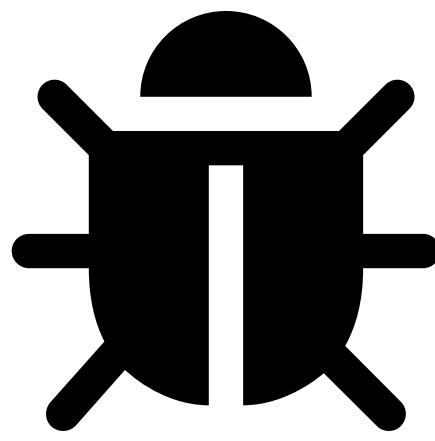


FROM MANY

DEVELOPERS

INFER STATIC ANALYZER

FACEBOOK



SUPER DB

Super Debugger is the iOS wireless debugging system that allows you to sent messages to any object in your app.

By Jason Brennan @ Shopify



ICONSOLE

Library that allows checking error logs and crashes
inside application without external services.

By **Nick Lockwood**

PONY DEBUGGER

By guys at Square

A remote debugging toolset that logs
all network traffic on iOS devices.



FLIPBOARD EXPLORER

View and modify almost every state in application.

By Ryan Olson @ Flipboard



**THANK YOU FOR
YOUR CONTRIBUTIONS!**

A horizontal yellow bar is positioned above the text.



**WE SHOULD
ALL CONTRIBUTE!**

AND NOW YOU WONDER

What exactly is my contribution?

Everyone should be contributing to
Open Source. Including me and you.



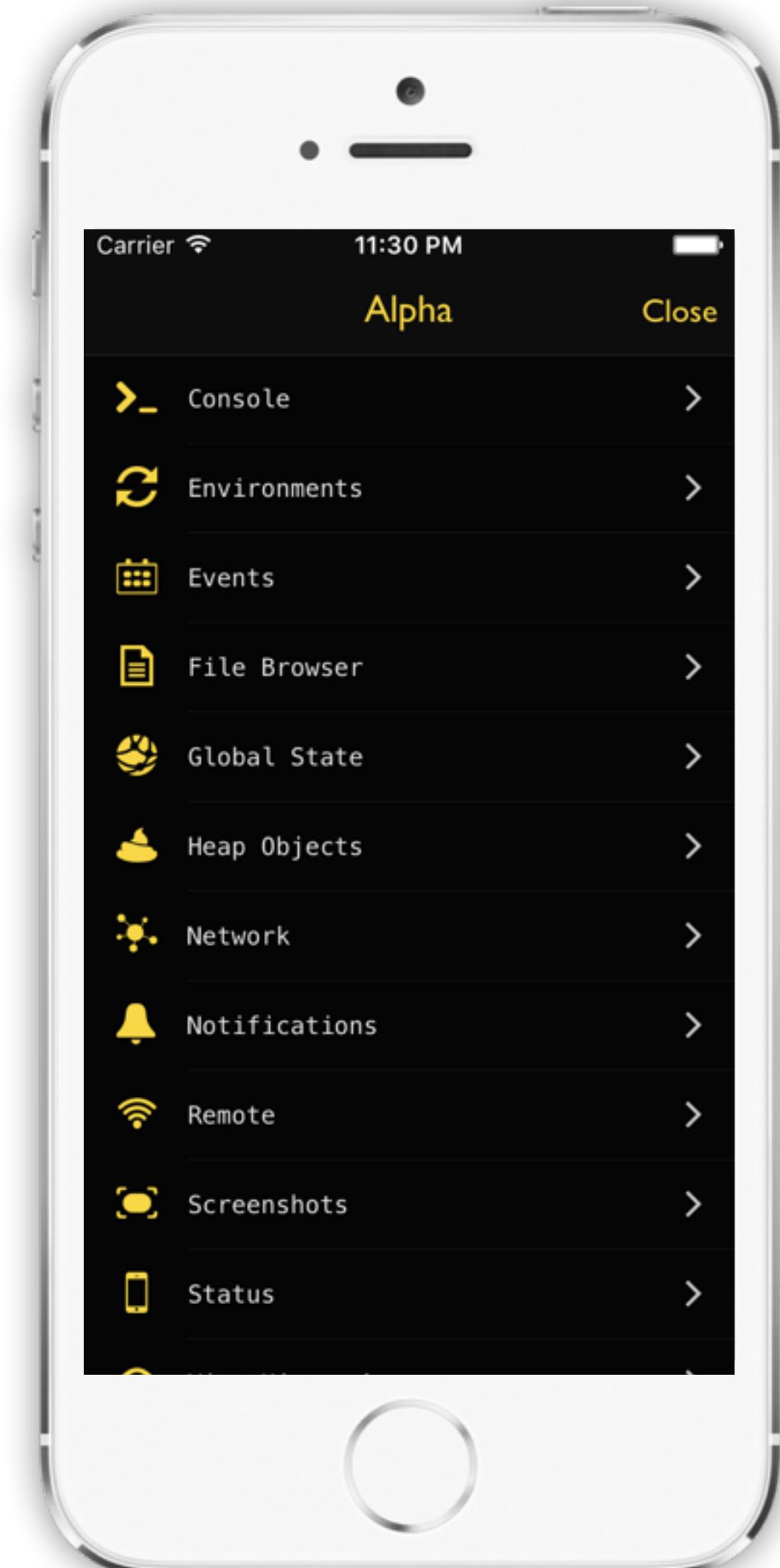
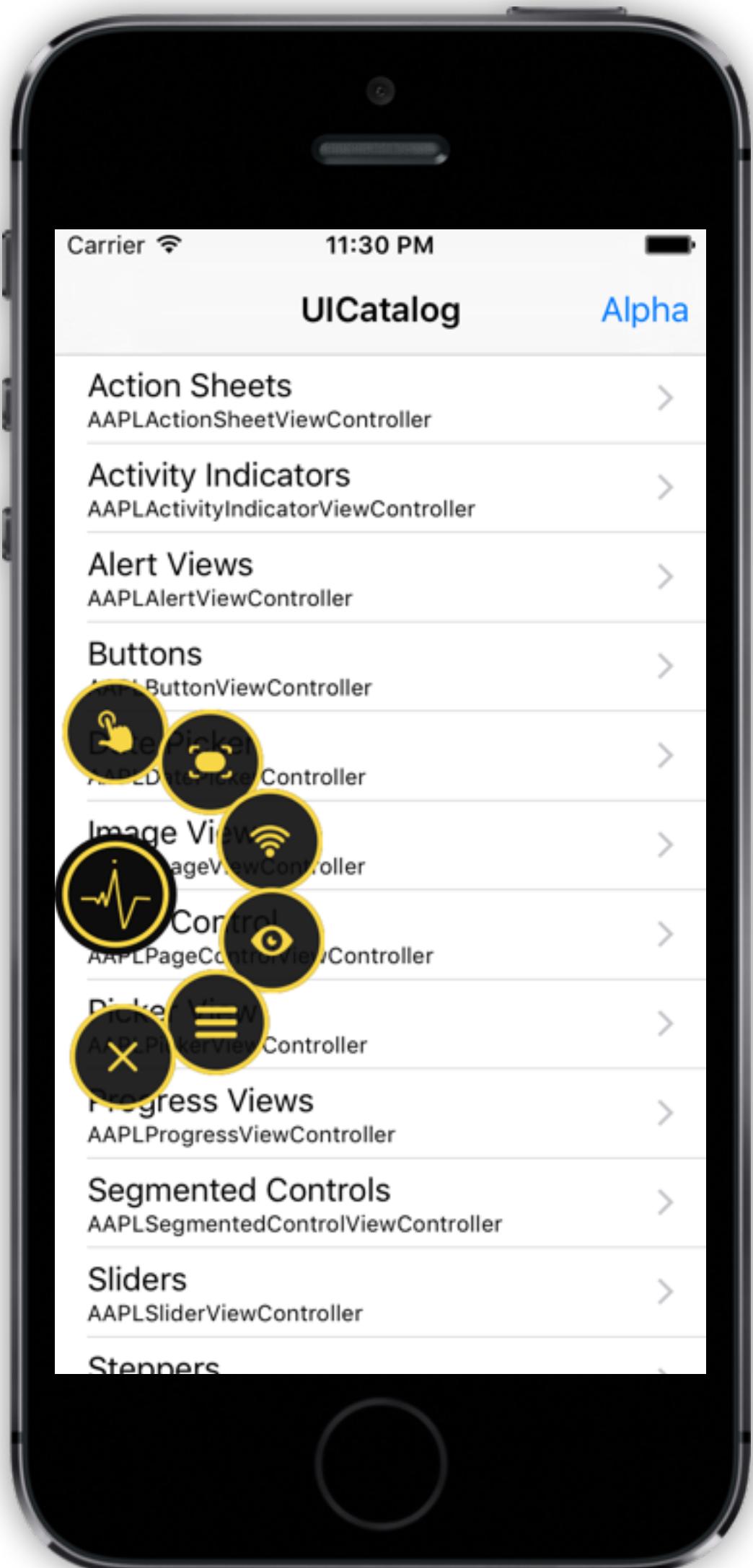
INTRODUCING
Alpha



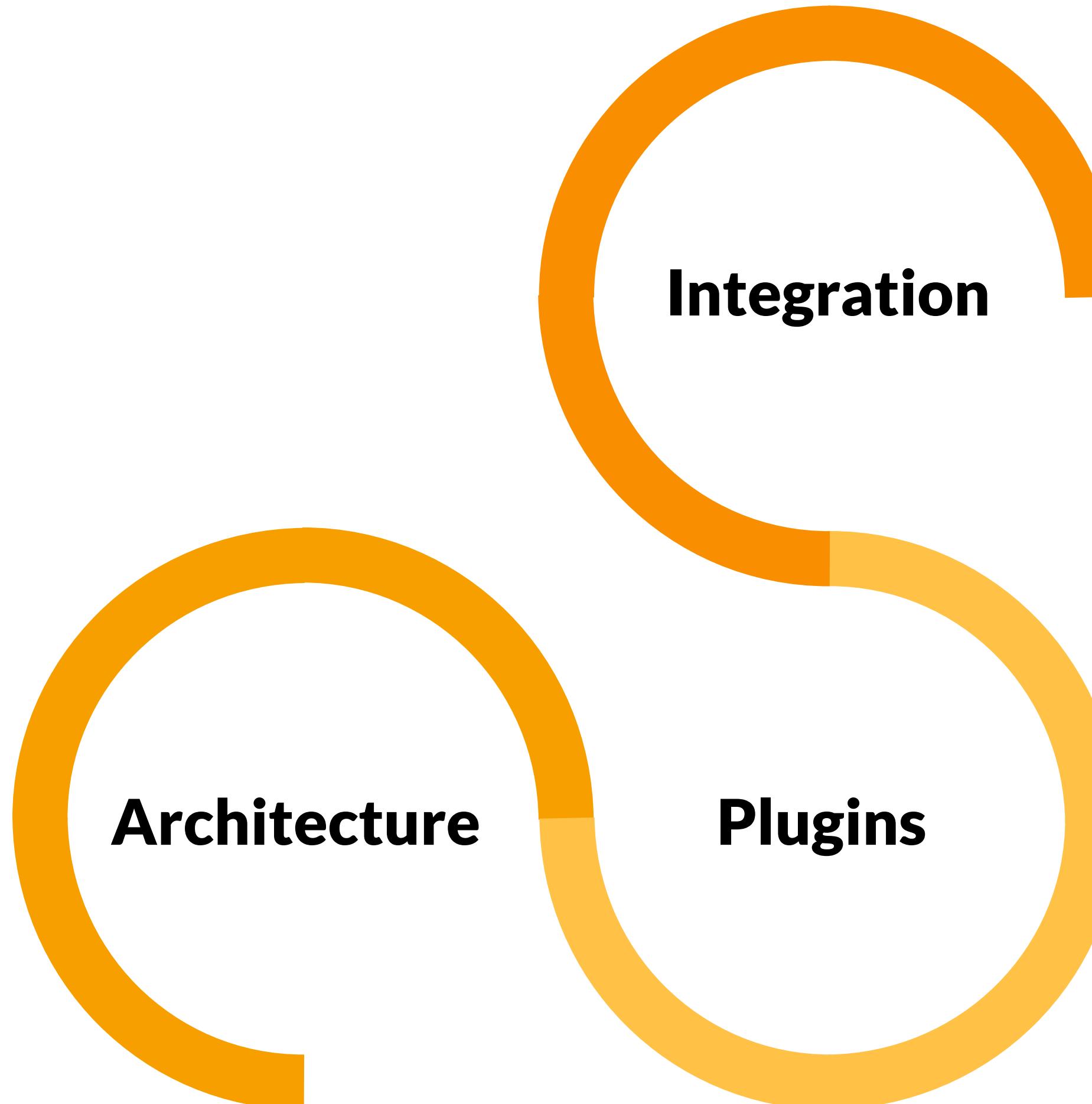
HOW DOES IT LOOK LIKE?

27

it starts with an easy



WHAT IS ALPHA?



- 1 **Architecture** is extensible to **any device** or application.
- 2 Features are separated into **multiple plugins** and can be excluded.
- 3 Easy and simple **integration** in the application without **configuration**.

A hand holds a sparkler against a dark background. The sparkler is lit at the top, with numerous small, glowing sparks trailing off downwards and to the sides. The background is a solid dark color.

COMBINES MANY FEATURES

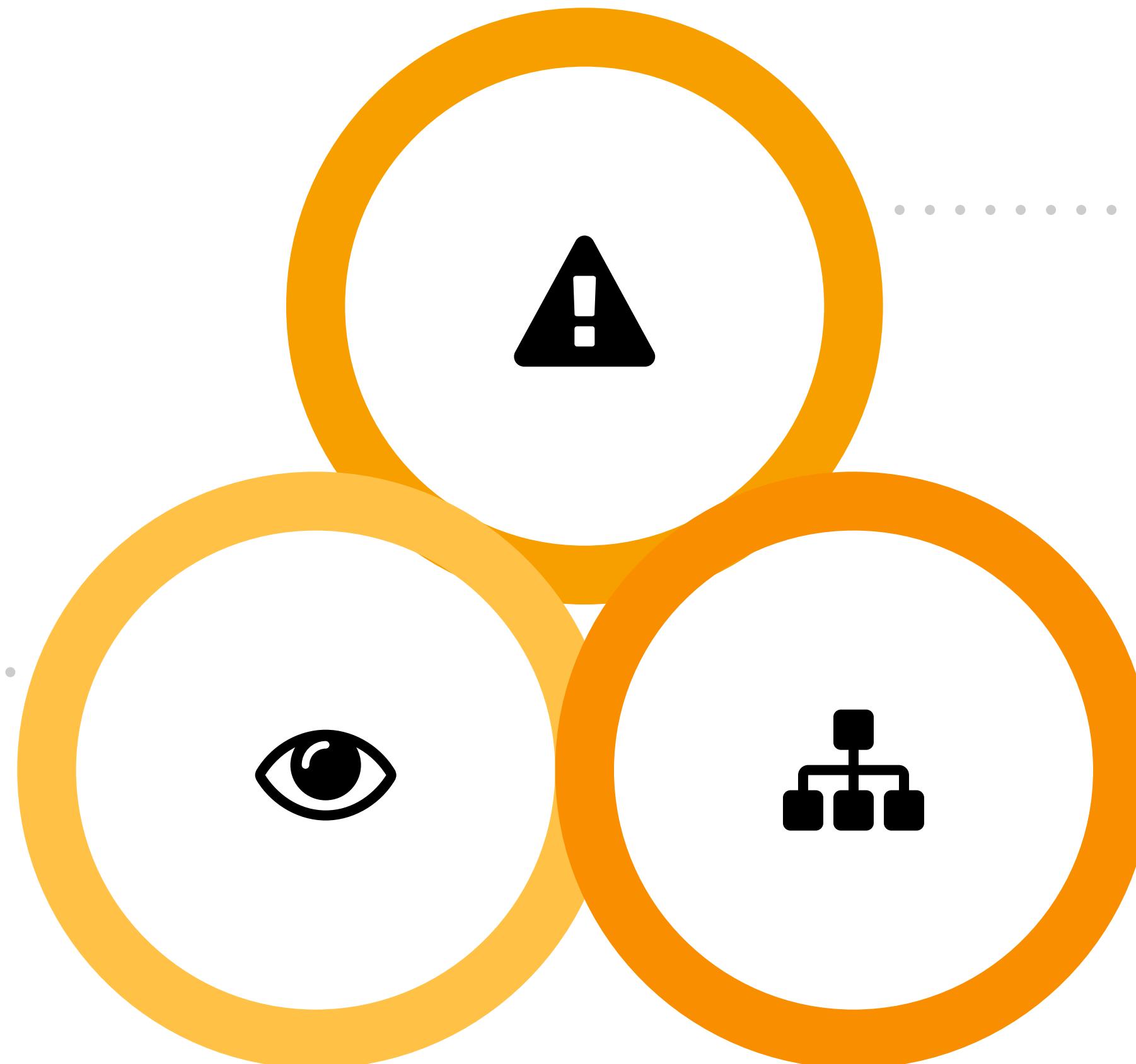


FEATURES IN ALPHA

features from

VIEW HIERARCHY

Inspect views in app and pinpoint layout issues.



FILE SYSTEM

Preview app's files in sandbox.

NETWORK

Inspect network connection calls.



NOTIFICATIONS

Scroll through local notifications or received push notifications.



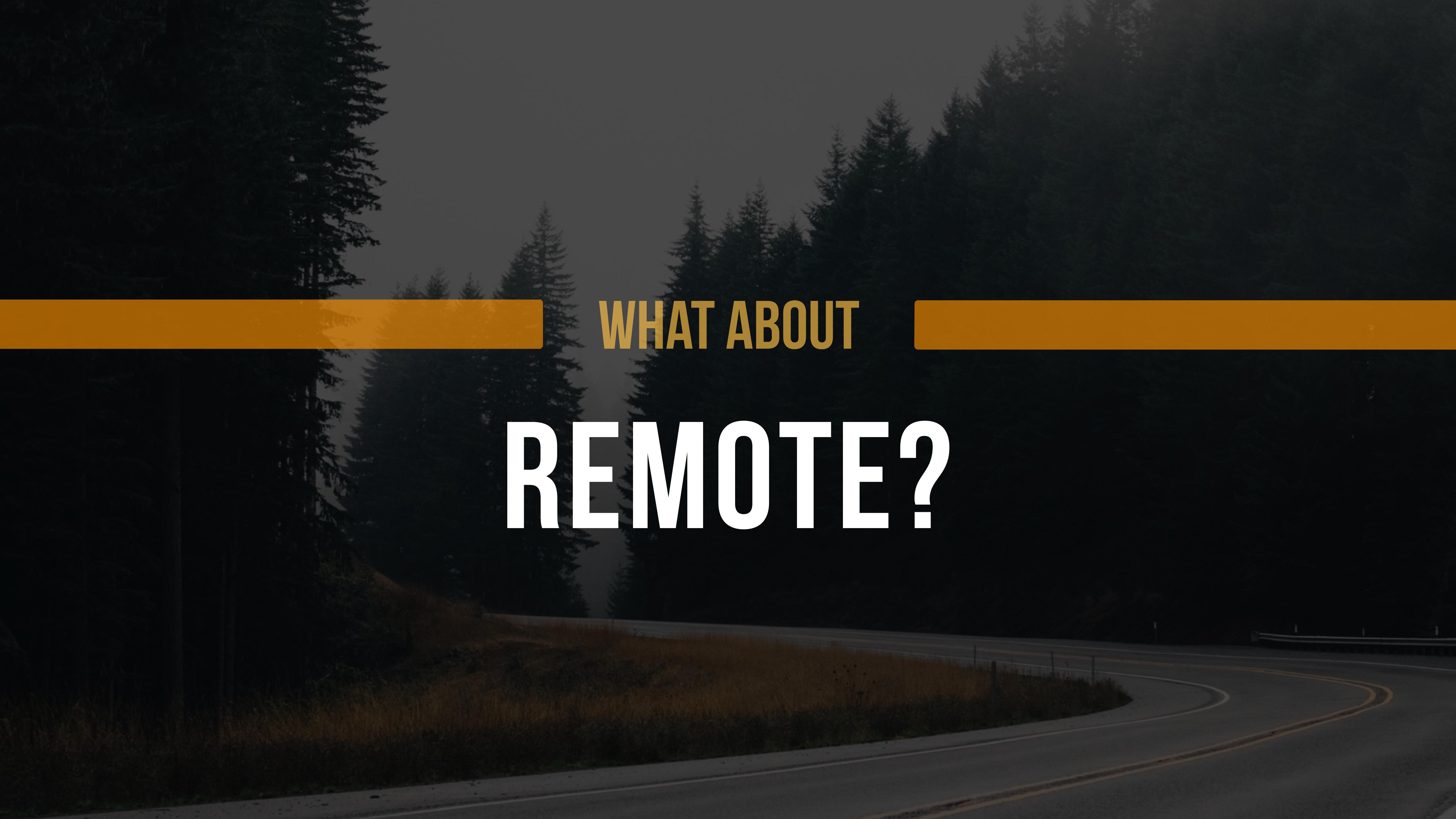
ENVIRONMENTS

Integrate with KZBootstrap, change build environments inside your application.



EVENTS

Follow application events, such as transition to background state and back.



**WHAT ABOUT
REMOTE?**



TAKE A LOOK!

github.com/legoless/Alpha



THANK YOU!