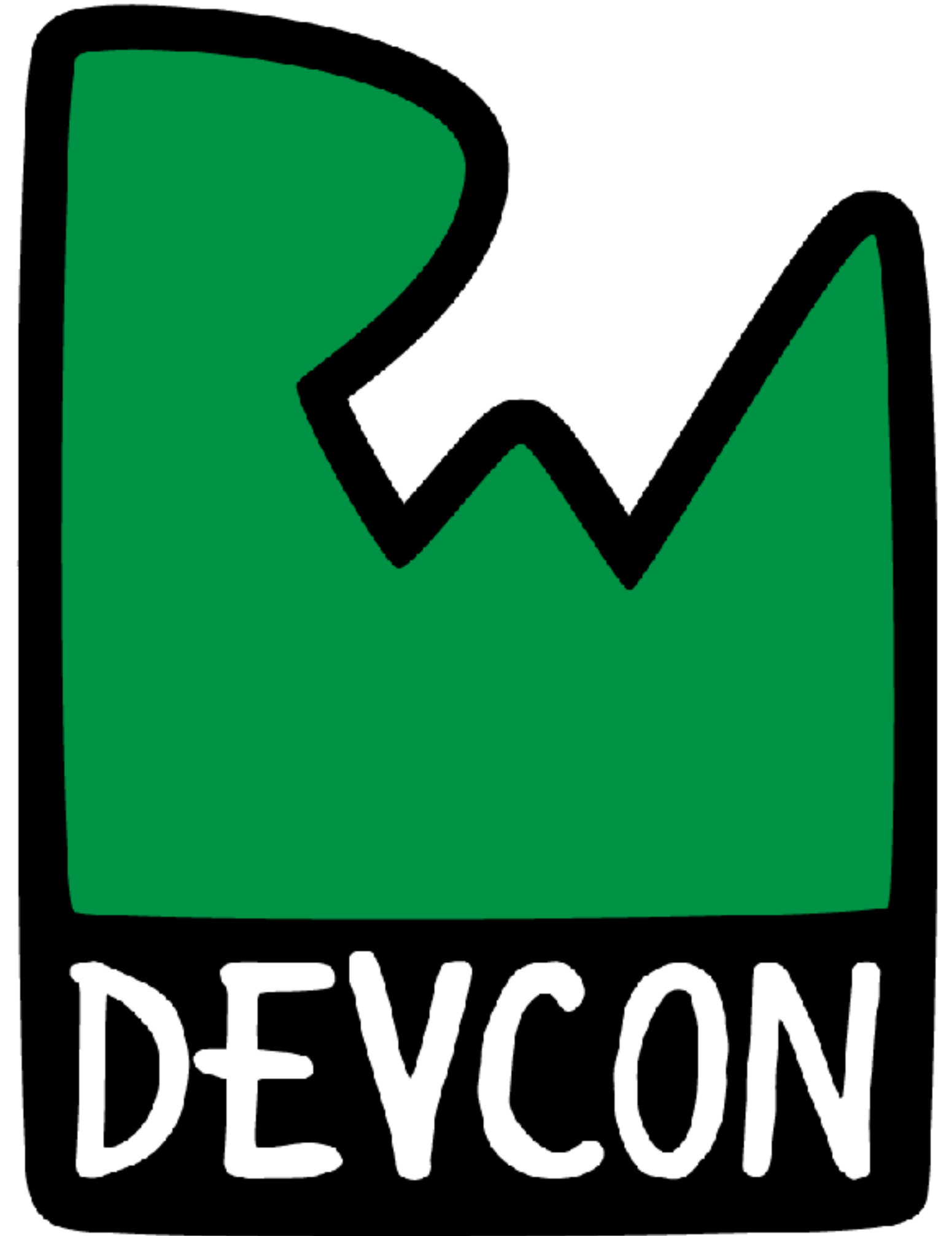
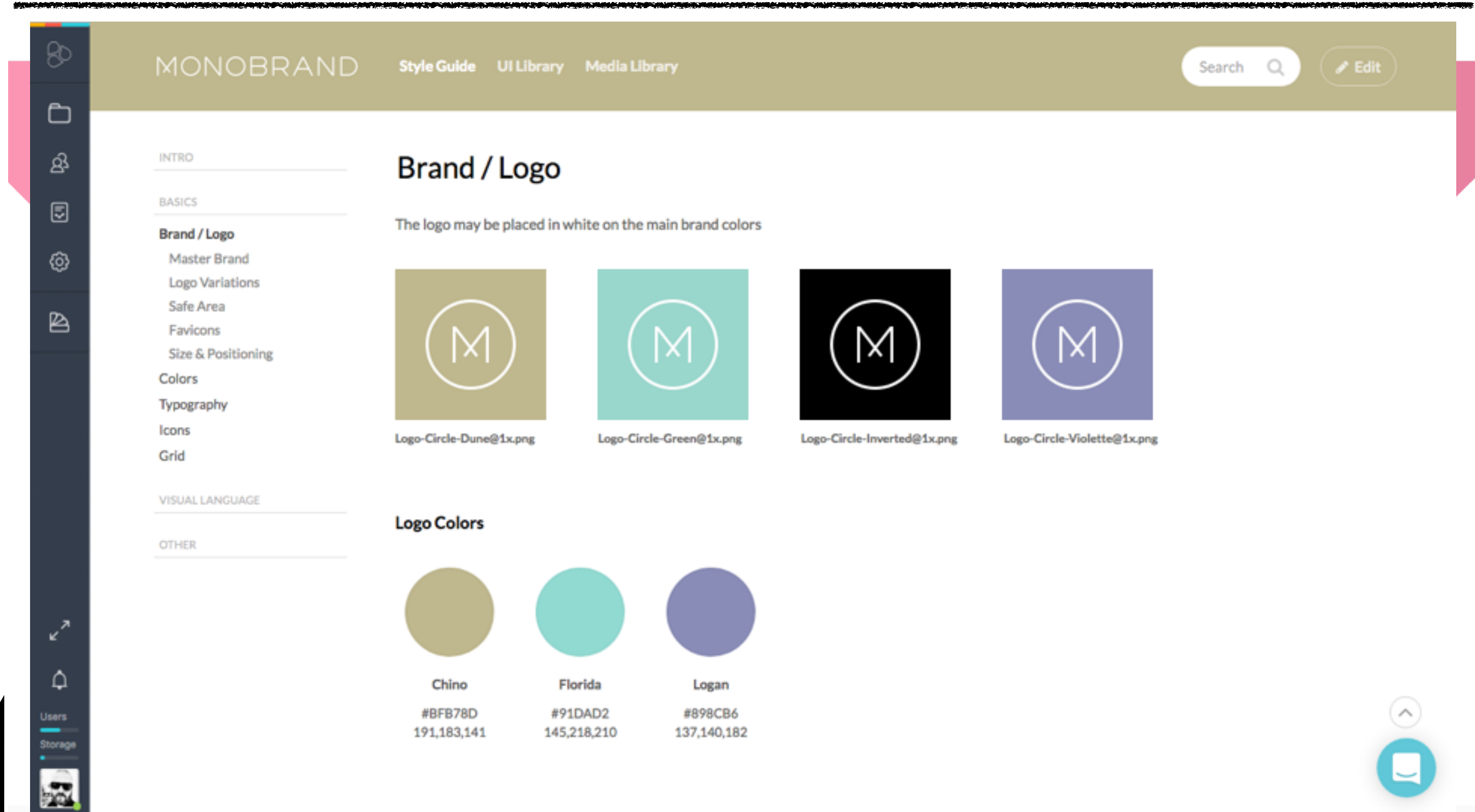


Session 1: Living Style Guides



EXTRACTING UI CODE TO A FRAMEWORK

WHAT IS A STYLE GUIDE?



WHAT DEFINES A LIVING STYLE GUIDE?

- ▶ Written in code
- ▶ Proposed updates can be viewed quickly
- ▶ Deployed updates will be applied across the site/app with no additional effort
- ▶ Includes full-fledged components, not just colors and images



WHY A LIVING STYLE GUIDE?

- ▶ Consistent visuals across your app
 - ▶ Or app + extensions
 - ▶ Or app + app + app...
- ▶ Be on the same page as your designers
- ▶ Make your own building blocks
- ▶ Iterate faster



WHY START WITH A FRAMEWORK?

- ▶ Isolates your UI code from your logic
- ▶ Makes sharing UI code WAY easier
- ▶ Single source of truth

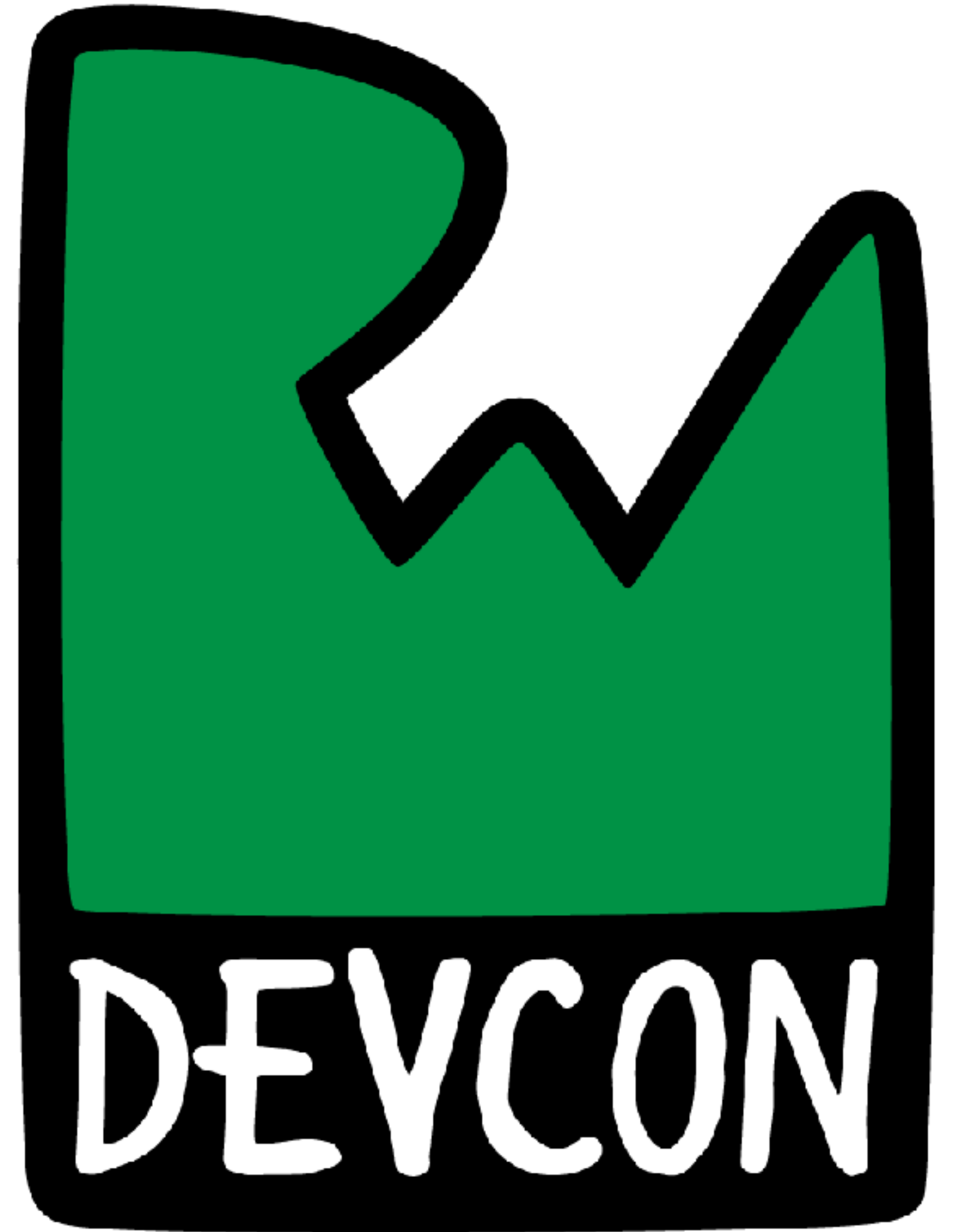


DEMO 1:

EXTRACTING UI CODE TO A FRAMEWORK



Session 1: Living Style Guides



CREATING THE STYLE GUIDE APP

A SEPARATE APP



A SEPARATE APP



WHY BUILD A SEPARATE APP?

- ▶ Separates design tweaking from actual app
- ▶ Adjust components without changing the final product (yet)
- ▶ Apply changes easily when finished
- ▶ See how components react when in use
- ▶ REALLY enforce separation of concerns



KEEPING MAINTENANCE SIMPLE

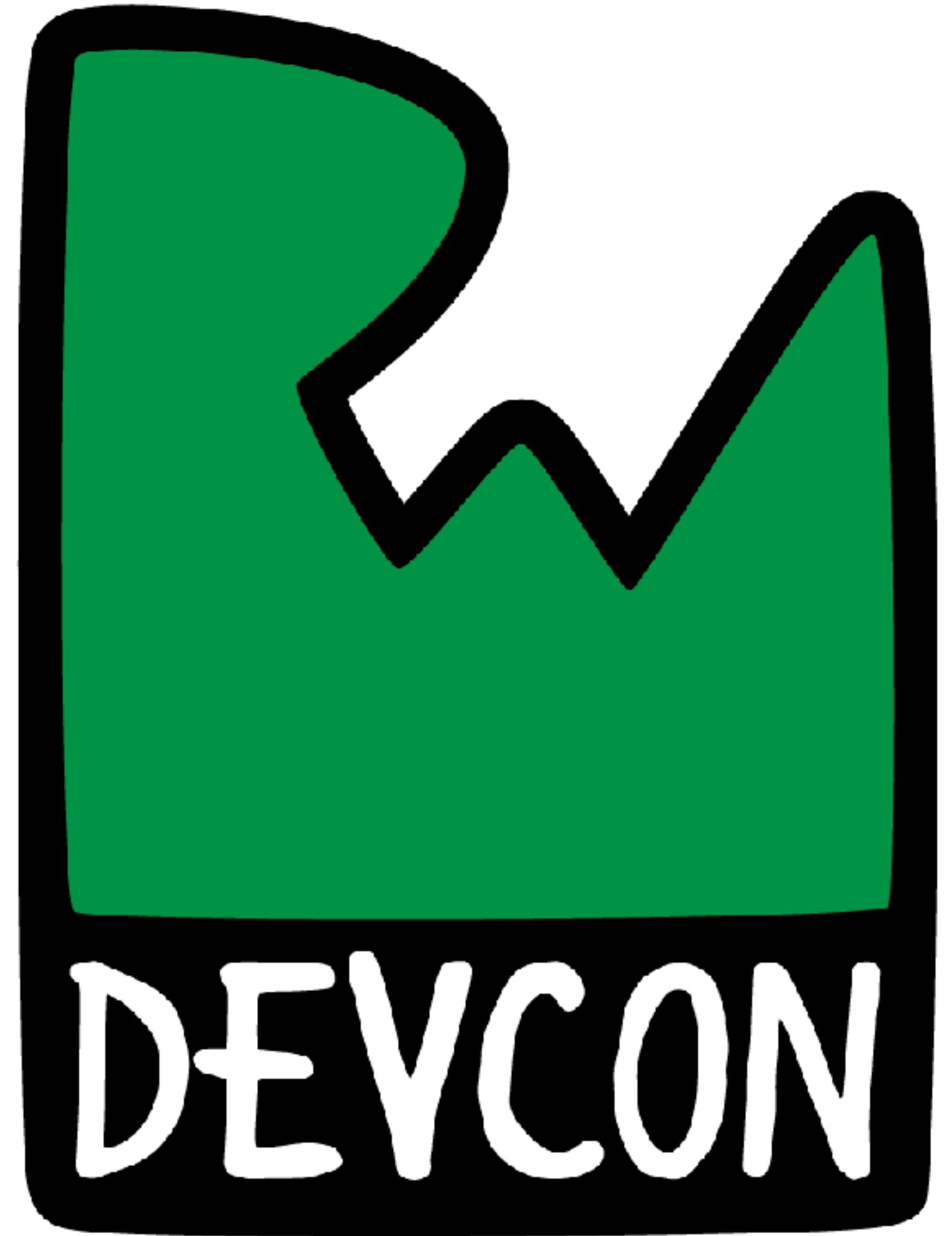
- ▶ Keep the 2nd app as minimal as possible
- ▶ Enums!
- ▶ Protocols!
- ▶ Extensions with default implementations



DEMO 2: CREATING THE STYLE GUIDE APP



Session 1: Living Style Guides



NEW SCREENS AND CHANGES

TIPS FOR BUILDING LIVING COMPONENTS

- ▶ Create a style for a type of thing
- ▶ Use a base class that configures based on style
- ▶ Dumb subclasses which pass style to base class
- ▶ Hide implementation details where you can



BUILDING WITH YOUR NEW BLOCKS



TIPS FOR BUILDING WITH COMPONENTS

- ▶ Build out a skeleton with UIKit components
 - ▶ Use the UIKit component underlying your base class
- ▶ Flesh out that skeleton with custom classes



CHANGE...CAREFULLY!



CHANGING THE BLOCKS WITHOUT THE TOWER FALLING OVER

- ▶ Use Autolayout
 - ▶ Also helps handle Dynamic Type
- ▶ Use Git to explore updating styles on a branch
- ▶ Test your changes in the Style Guide app
- ▶ Actually look at all screens that updated when changes are applied

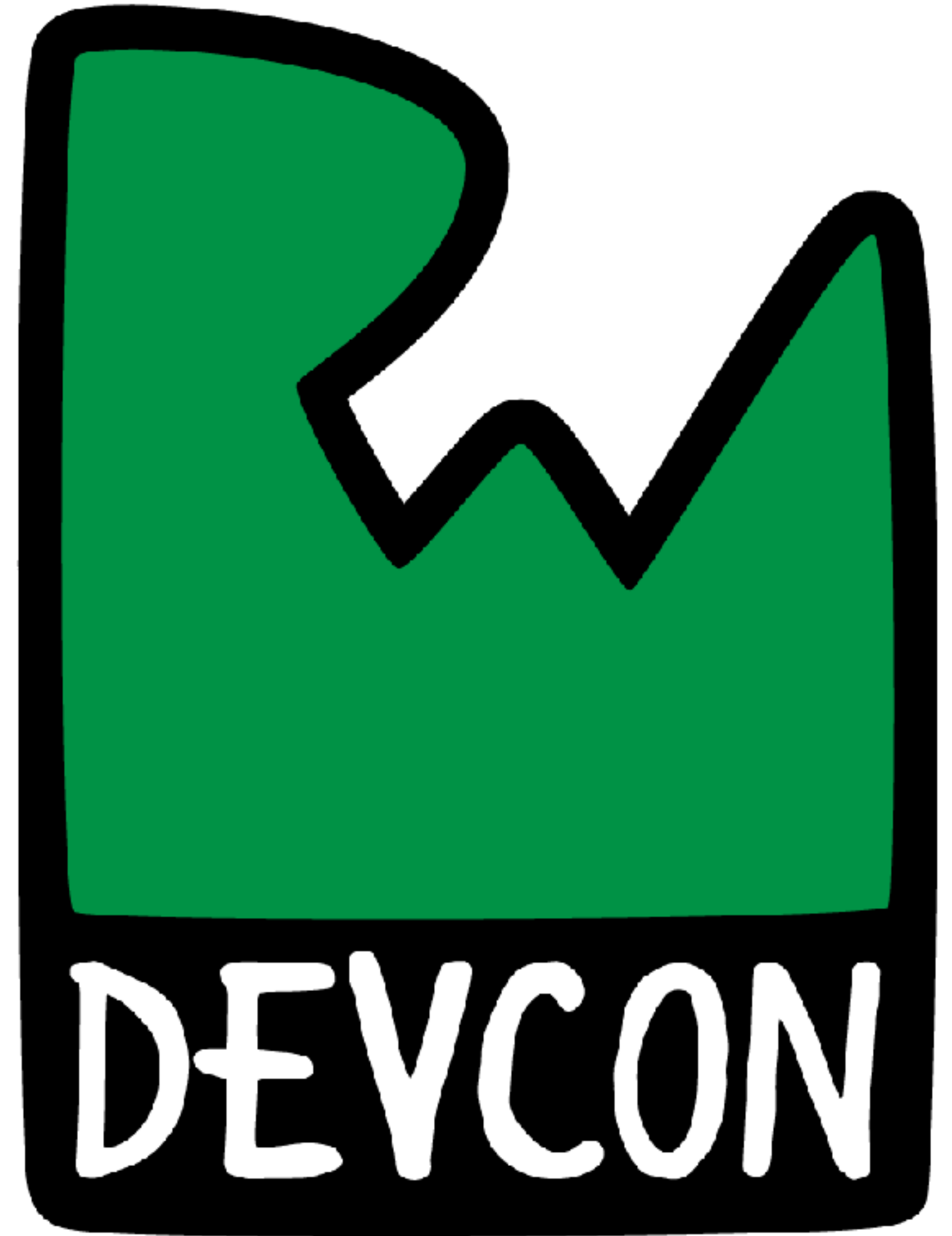


DEMO 3:

NEW SCREENS AND CHANGES



Session 1: Living Style Guides



THRILLING CONCLUSION

WHAT YOU LEARNED

- ⚙ **Demo 1:** Extracting Design To A UI Framework
- ⚙ **Demo 2:** Creating A Style Guide App
- ⚙ **Demo 3:** New Screens and Changes



WHERE TO GO FROM HERE?

- ⚙️ Playgrounds
- ⚙️ Sourcery:
<https://github.com/krzysztofzablocki/Sourcery>
- ⚙️ Twitter: [@DesignatedNerd](#)



