

Chapter 33/35

```
ForEach with Lists and Tab Views
ForEach Structure
Tab Views

API - Working with the Web

Data Persistance
Sandboxes
```

ForEach with Lists and Tab Views

ForEach Structure

- conforms to the Identifiable protocol
 - o requires an id property that should be a unique value
 - <code>uuid()</code> generates a <u>unique random hexadecimal string</u>
- a view that <u>generates</u> a multitude of other views for each <u>identifiable element</u> in an <u>array of objects</u>

Tab Views

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- allows the user to navigate between different child views by selecting tab items located in a tab bar
- creates separate views that are shown when you clicked on the associated tab item

```
TabView {
     <View> // changes when tab is clicked on
        .tabItem {
               Image(systemName: "car")
               Text("Crosswalks")
           }
}
```

API - Working with the Web

- sharing and reusing data from web companies services
- JSON a file type consisting of key/value pairs
- Codable
 - protocol that allows structures to be <u>encoded/decoded</u> in order to represent JSONs
 - o primitive data types are automatically codable

Data Persistance

Sandboxes

- · help keep files secure
- individual/isolated folders accessible to each application using them

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