



ASSESSMENT 01

GETTING STARTED, STORYBOARDS

Prototype a “Vanity” app using Interface Builder. You will need to add several Scenes and make it possible to transition among those Scenes. You’ll be using several kinds of Views to contain various pieces of information. At the end of your assignment, you will need to submit the app for review. This assignment will also help give you more hands-on experience with Xcode, Interface Builder, and the iOS Simulator.

GOALS OF ASSESSMENT

- Navigate Xcode and Interface Builder.
- Use Interface Builder to quickly prototype basic multi-screen apps.
- Name the components of an app and describe the lifecycle of an app.

REQUIREMENTS

- When the app launches, the user should first see a login screen with two text fields and a “login” button. The first text field should use an email keyboard, and the second should obscure the entered text (i.e. password field).
- When the user clicks the “login” button, direct the UI to the home screen.
- The home screen should include:
 - Your name.
 - A photo of you.
 - A button on the right end of the Navigation Bar should say My Bio and segue when tapped to a View Controller containing a single Text View. That view should contain your short biography.
 - Buttons for each subsection listed below. A button can be text, an icon (try downloading PNGs at <http://thenounproject.com>), or both.
- The buttons should segue to the following Scenes (a separate View Controller for each):
 - My Goals – This Scene (UITableViewController) should contain a Table View with each cell holding the title of a goal you have, either for the class, life, career, etc. Tapping on a table cell should segue a View Controller that provides a more detailed description of your goal. Have at least three. The detail View Controllers should use a Label for the title and a Text View for an action plan to achieve the goal (1, 2, 3, ...) or a short description.
 - My Resume – This Scene (UIViewController) should use a Text View to contain your resume. Divide it into several sections, including Experience, Education, Skills, etc., using attributed text to control the font bolding, italics, and underlines.
 - My Favorites – This UITableViewController should contain a list of books, movies, and music. Make 3 labeled sections and include at least one book, movie, album in each section. Each cell should have: (1) an Image View to hold an image of the media, (2) a Label for its title, and (3) a Text View for a one-sentence synopsis.



DELIVERABLES

- › Completed app folder, submitted to Github.

WAYS TO GET STARTED

Answer the following questions:

- › What is Interface Builder?
- › What is a storyboard?
- › What is a View Controller?
- › What is a View? Name some examples of Views. What are different Views used for?

RESOURCES

Links:

- › Apple's intro to Interface Builder.
- › A two-part tutorial on Storyboards.

EVALUATION

Your assignment will be evaluated against the following rubric:

- › Exceed (2) : "All exercise screens complete and fully functional. App does not crash under common or edge use cases. All screens work under common phone sizes."
- › Pass (1) : "All but one or two screens complete and fully functional. App does not crash under common use cases. Most (75%) of screens work under common phone sizes."
- › Doesn't pass (0) : "Many exercises incomplete. Two or more screens are not complete. The app crashes under common use cases. Screen render incorrectly on common phone screen sizes."