

Washington State University  
School of Electrical Engineering and Computer Science  
Spring 2021

CptS 479 Mobile Application Development

**Homework 5**

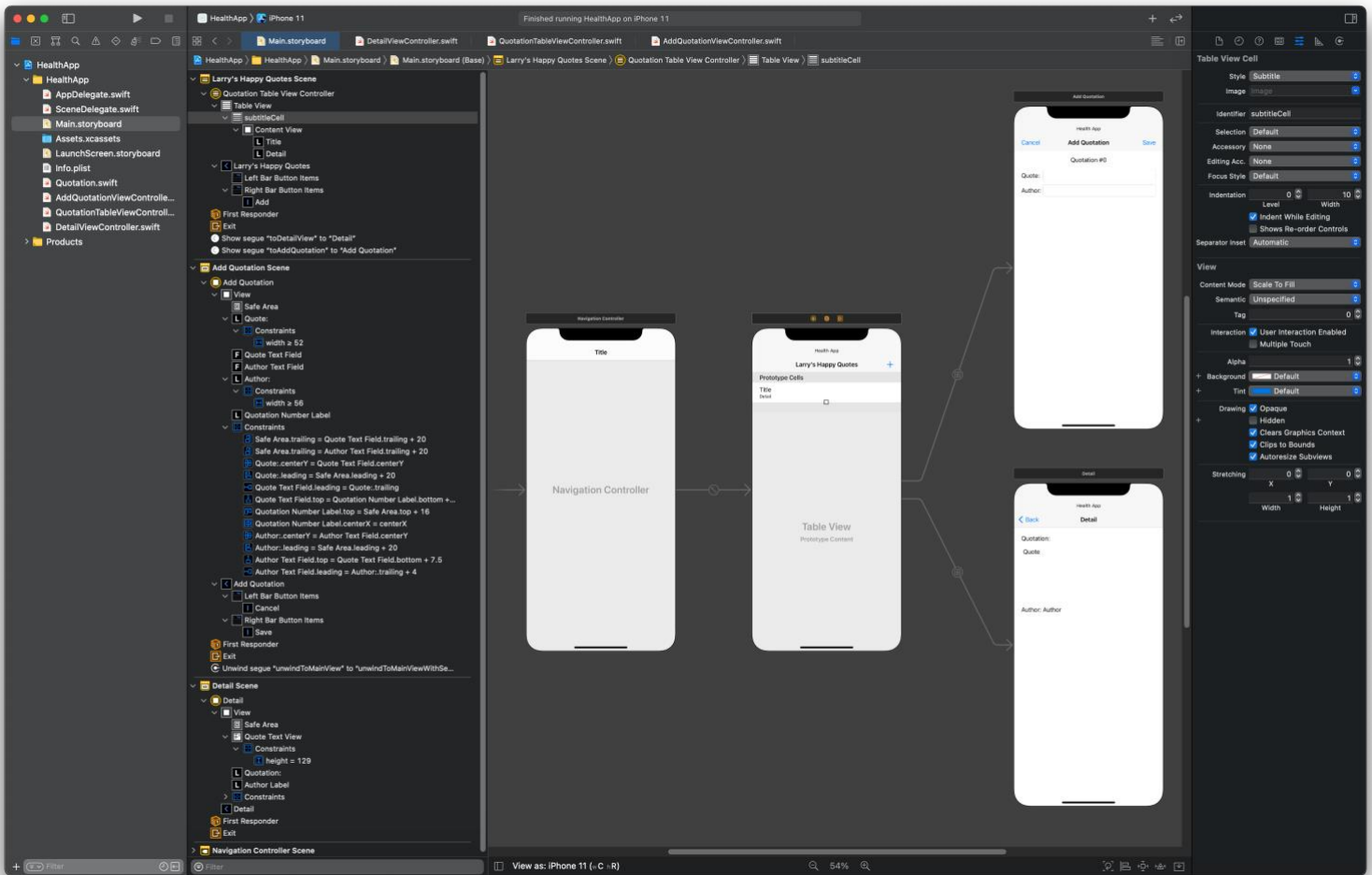
Due: February 24, 2021 (11:59pm)

**General Instructions:** Put the entire app directory into one zip file and submit as an attachment under Content → Assignments → Homework 5 for this course on Blackboard Learn by the above deadline. Note that you may submit multiple times, but only the most recent entry submitted before the above deadline will be graded.

This homework builds on HW4 by displaying all the quotations in a table and displaying the quotation when the table row is tapped. See screen shots below. Specifically,

1. Replace the Main view controller with a table view controller. The table view should be dynamic and use the Subtitle style for its one prototype cell. Be sure to give the table view prototype cell an Identifier, e.g., “subtitleCell”. The new Main table view controller should be embedded in a navigation controller with title “<name>’s Happy Quotes” and prompt “Health App”, where <name> should be your first name.
2. Create a new UITableViewController class and associate it with the Main table view controller. The table should be initialized with at least three quotes, where the Title text should be the quote, and the Detail text should be the author (or “Anonymous” if there is no author). It’s okay if the quote is truncated with an ellipsis.
3. Implement swipe-left-to-delete in the Main table view controller.
4. Add a bar button item to the right side of the navigation bar and set its System Item to Add (“+”). Tapping this button should segue to the Add Quotation view, which should behave just as in HW4. When you unwind back to the Main view, the new quotation (if valid) should be added to the table.
5. Tapping a row in the Main table should segue to a Detail view that shows the full quote in a Text View and the author’s name (or “Anonymous” if no author).
6. Test your app using the iPhone 11 simulator, which is the same simulator we will use to grade your app.
7. Be sure that auto layout constraints are set so that the view elements are appropriately displayed with no overlap or trimming regardless of device orientation.

## Storyboard:



## Simulator:

