

View and Tab Bar Controllers-04

In this assignment you will continue to work on your temperature app called WorldTrotter. The outcome of this lab is to add a new UIViewController and setup a UITabBarController. You will also setup a map on your new view controller.

1. Create a new repository on GitHub for this lab and open your WorldTrotter app (note: ensure you committed and submitted the commit ID for lab 4 before moving onto this lab).
2. Go to your source control navigator and remove the remote for lab 4, add your remote for lab 5, and perform a push to ensure everything is setup.
3. Open Main.storyboard and from the object library, drag a UIViewController onto the canvas.
4. We want your new view controller to display a MKMapView (a class designed to display a map) instead of the existing white UIView (which is added by default).
5. Remove the default UIView by selecting the view of the view controller and press delete. Do not delete the view controller itself (the UIView is separate from the UIViewController, it is easiest to use your document outline to ensure you do not delete the view controller itself).
6. Drag a Map Kit View from the object library onto the view controller to set it as the main view.
7. Link the Map Kit framework to your project by going to your project settings, selecting your WorldTrotter target and adding the framework under "Linked Frameworks and Libraries".
8. Add a UITabBarController to your storyboard by opening Main.storyboard and selecting your view controller, then from the Editor menu, choose Embed In, then Tab Bar Controller. This will add the view controller to the view controllers array of the tab bar controller.
9. Add your other view controller to the tab bar controller by holding Control and dragging from the tab bar controller to the other view controller. From the Relationship Segue pop up, choose view controllers.
10. Customize your tab bar items to have a title and icon. Download the icons from the LMS and add them to your Assets Catalogue.
11. To customize your tab bar items, select the view controller that is attached to the tab bar item you wish to customize, open the Document Outline, select the tab bar item, then customize it using the Attributes Inspector.
12. Run your app on the simulator and test that your app works.

Final App

