Operation Manual for the Artworks on Campus App
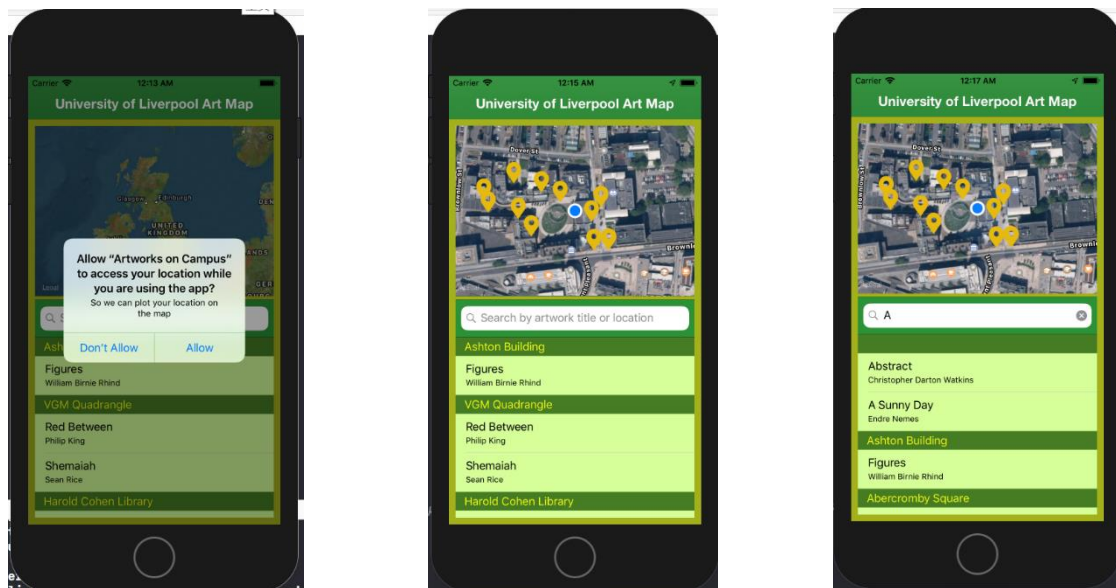
Aim

This document will describe how to use the Artworks On Campus iOS12 App using storyboard views with descriptions.
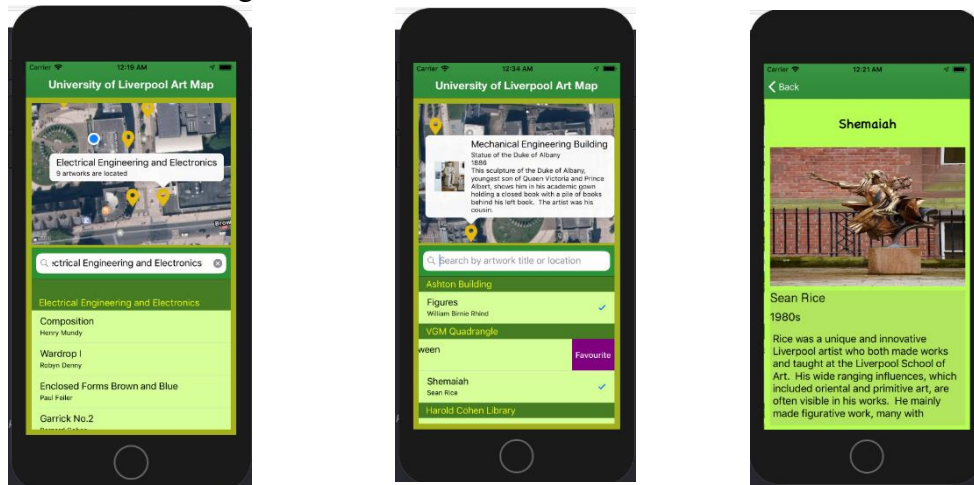
Storyboards and Descriptions

The main functions of the App are to show the artworks in the University of Liverpool on the map (by annotations), given a table with searchbar to help you search and check the detailed information. The functions that should be highlighted are list below:

1. The App first ask the users for the access of their location (CoreLocation is used, and the default position is Ashton Building.) and then show the surrounding artworks by some annotations (each one points to one location) in a reasonable span of view that can show roads clearly.

2. A multi-line sections list is embedded with a search bar to search and match the prefix of the section headers and the artwork's titles. The list groups artworks by their location and sorted by the distance between the location and the Ashton Building (the users default position) in ascending order.

3. The search bar will search for sections and artwork titles automatically when the text changes. And on the map after clicking on an annotation, the location name and the information of the artworks located there will be shown in a small annotation view. For a place with multiple artworks, it will show the number of the artworks and search the artworks in detail by search bar. For a place with single artwork, it will show a small image on the left and the location name, artwork title, year of work and information will be shown on the right.

4. Clicking on a specific table cell will shows another view that displays the title, image, author name, year of work and information of the artwork, and you can use the back button to go back to the first view.

5. The favourite artworks will also be given a checkmark in the navigation table, and you can add an item to favourite or delete favourite by swiping the table cell to the left and clicking on the purple "Favourite" button or the red "Delete" button. The favourite artworks are stored in the entity "Arts" in CoreData.

6. While Synchronisation is also supported. The app retrieve the 2017-11-1 URL for the first time, and store the data in the entity "SyncArts" in CoreData, get the current date in yyyy-mm-dd format and store it in User Defaults, update the CoreData for the next running time.

7. The App Enables Portrait and Landscape Layout