

## iOS course Assignment (MCDA 5550.2)

**Assignment - Part 1** - 40 points total.

**Submission deadline:** February 6<sup>th</sup>.

In-class project reference <https://github.com/allab/GetGoing>

### Task 1 (10 points).

Add *UISegmentedControl* to the top of *SearchResultsController* screen.

- First segment should be selected by default and sort array of places in alphabetical order.
- Second segment should sort array of places by rating. If there's no rating available, consider it as 0.

Remember to adjust your constraints in order to avoid overlap between *UITableView* and *UISegmentedControl*. In order to reload data in the table view, use *tableView.reloadData()*.

**Hint:** Consider the thread when working with UIKit!

*Storyboard example:*



### Task 2 (30 points).

Integrate new service call to Place Details API. Refer to the request parameters section at <https://developers.google.com/places/web-service/details>.

Endpoint url is

<https://maps.googleapis.com/maps/api/place/details/output?parameters>

Update *Constants.swift* file to add new url path.

- Upon cell selection in the *tableView*, present new subclass of *UIViewController* - *DetailsViewController*. Add two labels: *phoneLabel*

and *websiteLabel*.

- Execute network call to Place Details API. Present activity indicator (*UIActivityIndicator*) in the center of the *DetailsViewController*.
- Once the response is received, parse the results and populate the *website* and *formatter\_phone\_number* in the corresponding label if they were returned.
- Consider thread safety! Response will be returned asynchronously!

**Hint.** Remember to specify a subclass of the new view controller in the interface build and provide it with the storyboard id. When instantiating the instance of *DetailsViewController*, you'll need to cast it as the same class in order to pass the data, required for network call request parameters.