# RBC Wealth Management Digital Client Experience

# Software Engineer Candidate Assignment

## Overview: Build an iPhone app that uses the **Yelp** **API** to display restaurant details

**Requirements:**

1. Use Swift and adapt to all iPhone size classes/screen sizes.
2. Have a keyword search return 10 restaurants from the Yelp API
3. The results should be displayed in a “grid” view (2xN) that includes restaurant name and address
4. Make this grid sortable alphabetically by restaurant name (asc/desc)
5. You should be able to tap each grid item to be taken to a detailed view
6. In the detailed view, details of each restaurant should include the latest review and a photo as well as the name and address
7. Make it look visually appealing (follow iOS UI/UX Guidelines)
8. Document any design or assumptions in a markdown file on your Github repo.

## **Bonus**:

1. Design the app to be Universal (iPad + iPhone)
2. Be able to add restaurants as a “Favourite”. Create a Favourites page and persist favourites through app reboots.
3. Include Unit Tests
4. Feel free to add any other creativity to your project that goes beyond the requirements

## **Resources:**

* Yelp API: <https://www.yelp.com/developers>
* Try to limit the use of third party libraries unless you absolutely need to. For example, networking libraries are understandable (like Alamofire) or if you need something to parse JSON (SwiftyJSON). These kind of tools are not expected to be re-written.
* Try to do the UI as native as possible, and justify why you need to use other third party libraries when you necessarily need to.

## **How to submit:**

1. Create a Github open repository, push your code, send this repository link to your RBC contact.
2. Create a README.md and document anything noteworthy about your design or assumptions you made.

NOTE: Try to work around any requirement inconsistencies as the Yelp API is always changing.