

# Coding Challenge

---

Help us understand how you think about building great software.

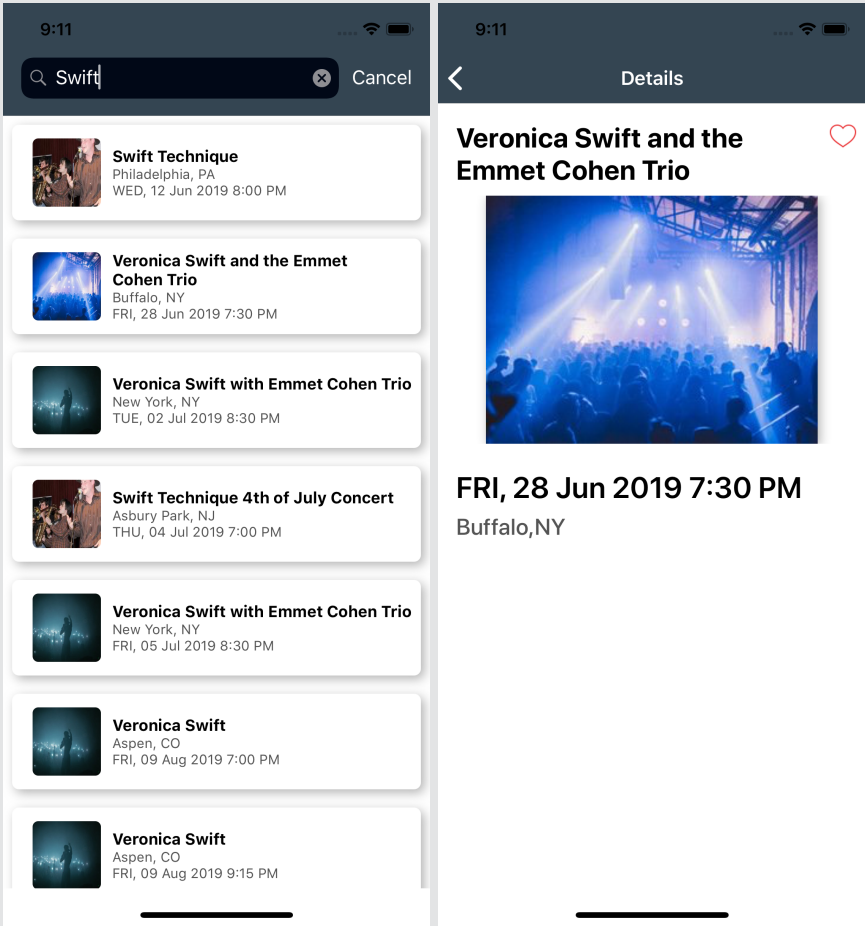
## Summary

Write a type ahead against the Seat Geek API. The type ahead should update a list of results as the search query changes. Results can be tapped to view them on a details screen. On the details screen the result can be favorited. On the type ahead screen, results matching the favorites list should show a visual indication that they are favorited.

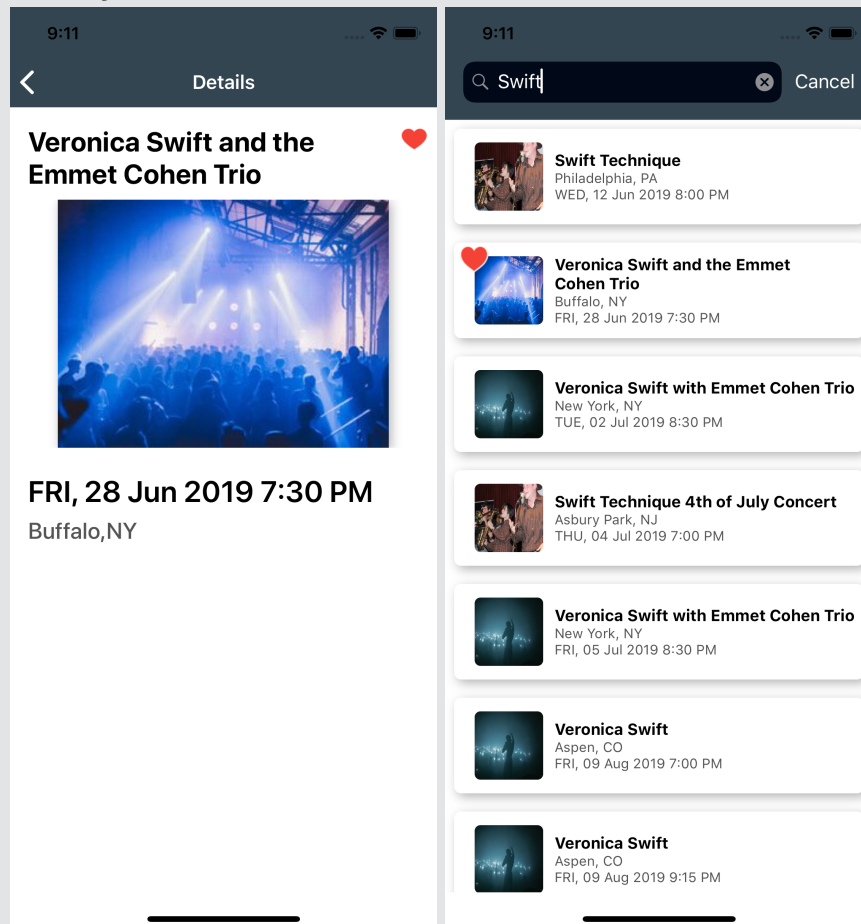
**Features to Implement:** (Please don't submit unfinished challenge)

1. Write a type ahead search against the `Seat Geek API`
2. On view did load, unfiltered list of event should appear on main screen.
3. Make a detail screen so the user can drill down into a result.
4. The `detail screen` should allow the user to `favorite/unfavorite` using the heart icon on top right as showing second screen below.
5. Type ahead results (when you start searching for event)
6. `Search result` should reflect the `favorited/unfavorited state` of each event as shown in first screen.
7. Favorited results should be saved between launches of the app (Data persistent)

The two screens can look similar to these:



When you liked the item in detail view. This like would reflect in the list screen too



## Guidelines

The coding challenge will be judged on

1. Attention to detail (Data persistence and all the features asked above)
2. Architectural choices
3. Knowledge of iOS libraries and SDKs

Please write your code in `Swift`. Feel free to take advantage of third-party, open source libraries but refrain overusing them.

An adequate solution might be developed within 4 - 8 hours, but please spend however much time it takes to construct a great solution.

## API Information

The endpoint to use on Seat Geek is free and publicly accessible, but you will need to register for a Seat Geek account and obtain an API key to use it. Details can be found at <http://platform.seatgeek.com/>

You will pass in the url param of `q` which will correspond to the search query. For example, the below query will give a result set for the term `swift`.

```
https://api.seatgeek.com/2/events?client_id=<your client id>&q=swift
```

Full API documentation is available at <http://platform.seatgeek.com/#events>

We need access to your project files:

Please upload zipped folder to any of file sharing websites like google drive,  
dropbox.com or box.com.