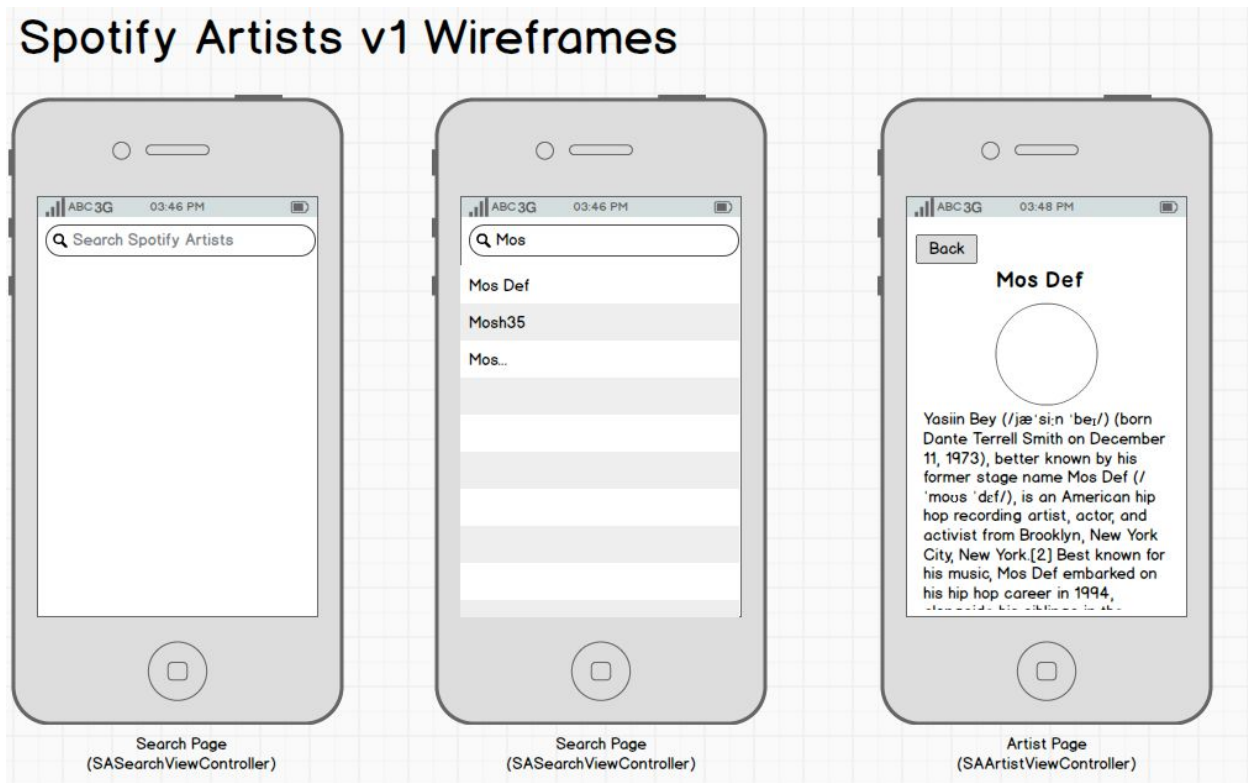


Spotify Artists Viewer v1

Spotify Artists v1 Wireframes



In this project we will make a spotify artist viewer. You will learn how to use table views and scroll views, as well as learn data modeling best practices.

Make all requests to the API using a single class. Let's call this class `SARestManager`. `SARestManager` should be a singleton class. `SARestManager` should use `NSURLSession` or `RESTKit` to make calls. `SARestManager` should return all data asynchronously to its callers via callback blocks.

```
@interface SARestManager : NSObject
+ (instancetype)sharedManager;
- (void)getArtistsWithQuery:(NSString *)query
  success:(void (^)(NSArray *artists))success
  failure:(void (^)(NSError *error))failure;
@end
```

SAArtistViewController is the page where you view an individual artists's profile. This SAArtistViewController's interface .h file should look like this.

```
@class SAArtist;

@interface SAArtistViewController : UIViewController

- (instancetype)initWithArtist:(SAArtist *)artist;

@end
```

At a high level, these are the steps you need to take:

1. Create and fill out the model for an artist(SAArtist.h/m). Think about the information you need to display in the SAArtistViewController.
2. Create a view controller for the Search page(SASearchViewController) and artist page(SAArtistViewController). It might be helpful at this point to create a couple of SAArtist objects to work with to actually test your code out. Tie both the search and artist pages together, so that tapping an artist on the search page leads you to the artist page, and tapping the back button brings you back.
3. Fill in the details to actually make the search call to the Spotify API for searching artists. Look at <https://developer.spotify.com/web-api/console/get-search-item/> for details. You shouldn't need to create any more methods than what's currently in SAREquestManager at this point.
4. Fill in the details to make a network request to ~~Spotify API~~ the Echonest API for the details of a single artist. You will need to make this call to populate the artist page in it's entirety. ~~<https://developer.spotify.com/web-api/console/get-artist/>~~. Sign up for an Echonest account and get an api key: <https://developer.echonest.com/account/register>. Then check out this page for more information on how to get [artist bios](#).

A starter project can be found here:

<https://github.com/IntrepidPursuits/spotify-artist-viewer/tree/master>

Possible Extra Credit

If you've done a lot of the project, here's some ways that it can be more complicated:

- Custom Search Cells (possibly have a couple designs?)
- Save Recent Search Terms For AutoComplete/type ahead
- Search For albums and or tracks as well
- Add paging to the search results
- Add artists to "favorites"
- Display search artist search results in a collection view as opposed to a table view.