Goal

Create a simple app using the Bandsintown Public API which will test your aptitude in working with a REST API, proficiency with local storage solutions, and your ability to follow a design spec.

Design Guidelines

The app should open to a screen with two tabs.

- The first tab is a search page, where the user should be able to make queries and see the results below the top anchored search bar.
- The search result items should contain an image of the artist, the artist's name, and a star icon for the user to favorite an artist.
- The second tab is a list of artists the user has favorited from the search tab. The design of these list items is the same.
- You can star (on unstar) an artist list item from either of these tabs.
- If a user clicks on the main body of the artist list item, it should take them to an artist details screen. This screen should contain the following elements:
  - Artist name
  - Artist image
  - Tracker count
  - Upcoming event count
- For the design of this artist details screen, feel free to be creative and display it however you like.

Design Specs can be found [here.](#)

How to get this data

You can use a couple of public endpoints from the Bandsintown API to get the data you need.

Search

See search API documentation [here](#). Here is an example of a request:

```
curl -H 'x-api-key: 6RLeFqUfcN6SQnnQgPCfq3OozzS6YfTI3zIuDvTd'
'https://search.bandsintown.com/search?query=%7B%22term%22%3A%22John%22%2C%22entities%22%3A%
5B%7B%22type%22%3A%22artist%22%7D%5D%7D'
```

Note that the header **x-api-key** with value 6RLeFqUfcN6SQnnQgPCfq3OozzS6YfTI3zIuDvTd is required.

Artist Details

GET - https://rest.bandsintown.com/artists/<artist_name>?app_id=test

artist_name	The artist name from the artist object in the search result
app_id	Use 'test'

Response

```
{
    "id": "510",
    "name": "Maroon 5",
    "url":
"http://www.bandsintown.com/a/510?came_from=267&app_id=test",
    "image_url":
"https://s3.amazonaws.com/bit-photos/large/8094546.jpeg",
    "thumb_url":
"https://s3.amazonaws.com/bit-photos/thumb/8094546.jpeg",
    "facebook_page_url": "https://www.facebook.com/maroon5",
    "mbid": "0ab49580-c84f-44d4-875f-d83760ea2cfe",
    "tracker_count": 4082520,
    "upcoming_event_count": 2
}
```

Local Storage

When a user favorites an artist, the "favorite" status should be remembered by the app across multiple sessions (this requires persistent storage).

Other Requirements

- Use Core Data for local storage
- Use Storyboards Autolayout when building UI
- Build the first screen (the search results and favorites tabs) in Swift, and the second screen (artist details) in Objective-C