

How to Make an App with Databases

Module 2
Lesson 6
Worksheet



Welcome!

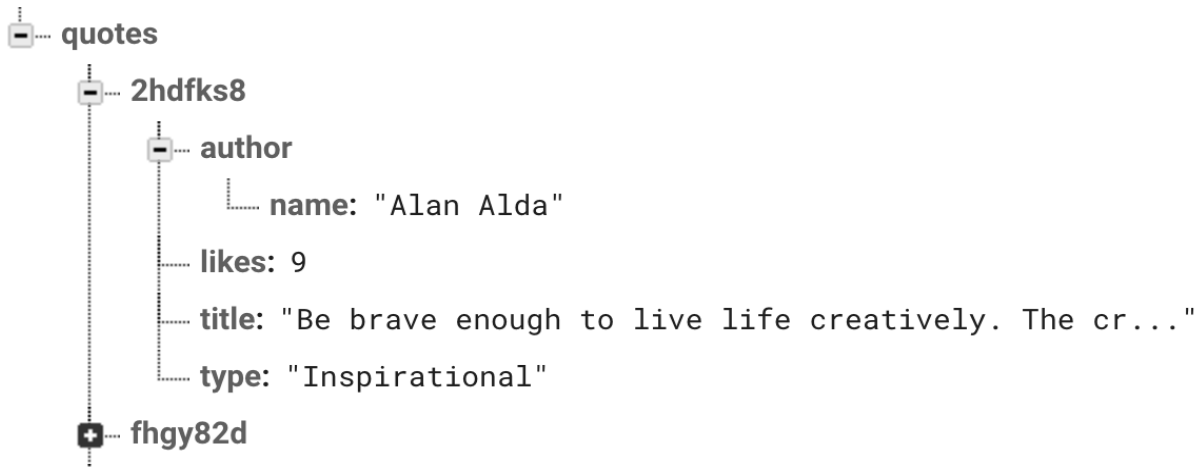
In this worksheet, you'll repeat what we did in Lesson 6 except with a different dataset.

Download the worksheet starter code below the lesson. Add your `GoogleService-Info.plist` to it.

Then download the `WorksheetSampleData.json` file and import it into your Firebase database.

Note: This will overwrite your existing database data so make sure you export your current data to a JSON file if you want to restore it later.

Step #1: If you look at the sample data, you'll see a list of quotes. Expand one of the quote keys and you'll see that each quote contains a dictionary of key value pairs.



Step #2: Your task is to read the list of quotes when the app loads and display the messages in the table view. I've already set up most of the UI for you.

Each cell should display the **quote title** and **author name** like this:

Be brave enough to live life creatively. The creative place where no one else has ever been.
Alan Alda

An investment in knowledge pays the best interest.
Benjamin Franklin

Education is the most powerful weapon which you can use to change the world.
Nelson Mandela

Believe you can and you're halfway there.
Theodore Roosevelt

There is only one happiness in this life, to love and be loved.
George Sand

Step #3: Once you have the list of quotes displaying. Implement the code to do the following:

- Once a cell is selected, perform the segue to the detail view controller. I've already set up the Segue with the identifier: **"goToDetail"**. You just have to programmatically trigger it when a cell is selected.
- Remember to pass the selected quote struct to the next view controller.
- In the Detail View Controller, display the data in the labels that I've defined for you. I've already hooked the labels up to IBOutlet properties.

If you're finding this difficult, review Module 6 (News App) of the beginner course.

Once done, it should look like this:

An investment in knowledge pays the
best interest.

Benjamin Franklin

[Like](#)

You're done! (for now)

In the worksheet of the next lesson, you'll continue working on this project so keep it handy!

If you need any help with these exercises, remember to join the Students Only forum and get help anytime!

<https://facebook.com/groups/CodeWithChris>

To get the solutions, visit the lesson page.