

# Structure of the Course

This course is designed to teach you what Firebase has to offer by building four different apps. Each app was specifically chosen and designed to teach you different aspects of Firebase in a real-world setting.

## WE'LL COVER THE FOLLOWING ^

- What you will learn
- Go ahead, get fired up!

## What you will learn #

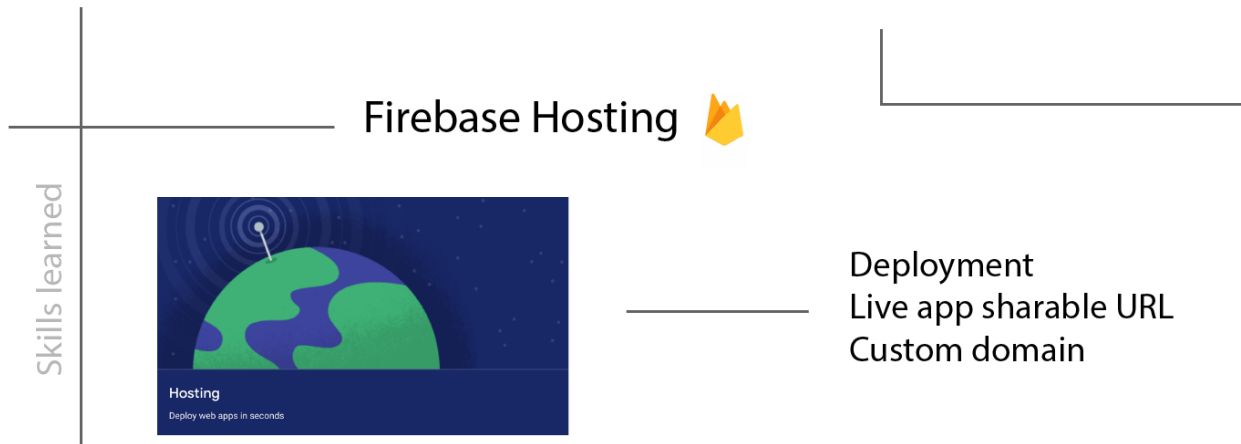
This is a brief overview of each section and what will be covered in them:

### Learn the Cloud Firestore Database by Building a Chat Application



The first project and your introduction to the Cloud Firestore database is a chat app. By building it you learn powerful queries that allow you to communicate with the database.

## Learn Deployment - Practice Concepts on Your Chap Application



One of the easiest things to learn in Firebase is how to deploy. It's nice to have a live project URL so you can share it with friends, family or coworkers.

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## Learn Firebase Storage - Build a Photo Sharing Application



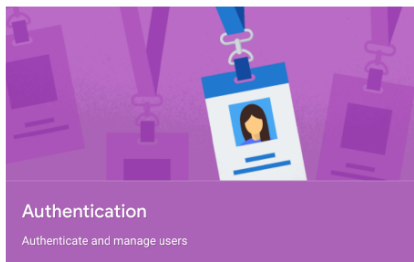
We make a photo sharing app to teach how file uploading to Firebase Storage works. Another important thing taught in this section is how to make a reference to it in the database.

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## Learn Firebase Authentication - Build a Boilerplate Application

Skills learned

### Firebase Authentication



Email and password authentication

Create users

Authentication state

Sign In

Sign Out

Handling Errors

Loading visual

You learn how to authenticate users with the email and password method. It's a great option for users. This is one of most commonly used way to authenticate users.

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## Learn Security - Practice Concepts on Your To-Do List Application

Skills learned

### User Authorization



Cloud Firestore security rules

User Authorization

Associated data with a user

Delete documents by id

We implement a to do list that only the person who created the list can read, create, update, or delete the to-do's within. This is commonly referred to as user authorization.

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After you complete these five sections, you will have a solid understanding of how Firebase can help you build. Additionally, you will have the confidence to implement it in your own projects.

## Go ahead, get fired up! #

In the next lesson, I will give you an example of a serverless stack and will compare Firebase to a traditional Node/Express stack.