What YOU need to install / setup

Node js

If you do not have this installed go to [Download | Node.js (nodejs.org)](#) and install it.

VSCode

If you do not have this installed go to [Download Visual Studio Code - Mac, Linux, Windows](#) and install it. You are free to use the editor of your choice but this course uses VSCode.

Mongodb Compass

You will need to download and install this ([MongoDB Compass | MongoDB](#)) as it provides an easy to use import option which we will need to import data later.

You will also need to set up a Mongodb/Atlas account (free) – described below.

Set up a Netlify Account

Go to www.netlify.com and click SignUp. Enter an email and password and you have to confirm receipt of an email they send you.

You get asked a few questions:

What are you using Netlify for? Personal

What kind of site do you want to build? Blog (its not but other options prompt more questions)

What best describes your role? Freelancer

Name your team? You put whatever name you like.

You are then prompted to Deploy your first project. Click "Skip this step for now". You do not need to do anything further on Netlify for now.

Set up a Github Account

Go to www.github.com and click Sign Up and enter your email, a password and a username. Y or N to receive email. Verify your account (captcha, gangman style). Click Create Account. It sends a verification code to your email.

After entering the verification code, you then get asked some questions (single user, student). It asks what features you are interested in. You don't have to choose any. Click Continue for free.

That's it! It leaves you at the "Create Repository" screen but you don't need to do anything further for now. In fact, I prefer, for this type of learning course, NOT to use github until you are ready for deployment.

Mongodb

I consider this to be two parts, although in the website this is all in one.

Part A – Account / Database Setup

1. Sign up for a free Account. Mongodb Login Enter your name, email, password and Sign Up. Verify your email.

2. You should then get a Welcome to Atlas! Page where you choose Build a new application, type can be "No Application", preferred language, Javascript. Click Finish.

3. You should then see a screen "Deploy a cloud database" and scroll across to choose the FREE database. Click CREATE.

4. Next option is Create a Shared Cluster. Accept "FREE". Then choose Cloud Provider & Region. I chose AWS N.Virginia. Accept rest. Click CREATE CLUSTER

5. Next step is Security Quickstart. Choose "Username and Password" to authenticate connection. Create a database username and password. Keep that information confidential. I chose flip/ 9Lrxv4eqELcSYCyV. (changed already!) Click CREATE USER

6. Scroll down to "2 Where would you like to connect from?" . Accept the default "My Local Environment". In the "Add entries to your IP Access List" you can add IP Address 0.0.0.0. with Description "public" and click "Add Entry. Click FINISH and CLOSE

7. You should get a "Congratulations on setting up access rules" and a button Go to Databases. Click that button.

8. You are now at the Database Deployments screen. Hopefully by now you will have received a popup message saying your server has been provisioned. On the Database Deployments screen, click the Connect button. From the options available, select "**Connect your application**".

In (1)**Select your driver and version**, select *Node.js* as Driver and *4.1 or later* as Version.

In section (2) **Add your connection string into your application code** it will show you your connection string. Copy that and keep that handy. You will need this in the application later. Mine shows as:

```
mongodb+srv://flip:<password>@cluster0.txzy6ob.mongodb.net/?retryWrites=true&w
=majority
```

Click "Close" to bring you back to Database Deployments screen. Next, we will get into creating our data collections for the app.

Part B : Collections

In the Database Deployments screen, click on "Browse Collections" button.

Click "Add My Own Data".

Enter "flip" as the Database Name and "users" as the Collection Name. Leave the checkboxes blank and click CREATE.

You now have a database, **flip** and a collection, **users**.

We don't need to add any fields to users yet, but lets add another collection, projects.

It is NOT at all clear how to add another collection, but in the middle below "Create Database", hover your mouse on "flip" and click on the + sign and enter "projects" as the new collection name and click CREATE.
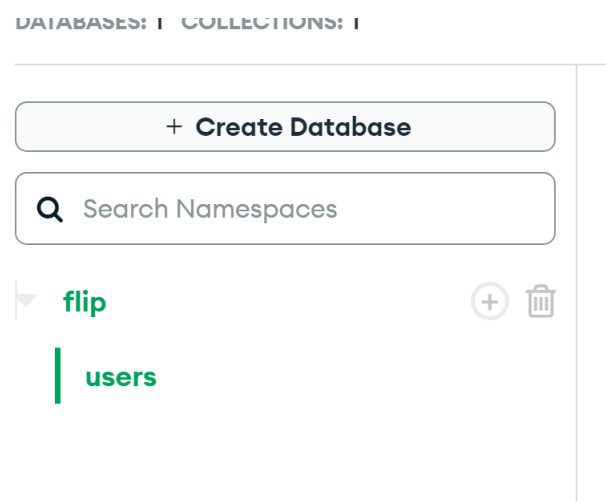
You have completed the Mongodb cloud set up!

DATABASES: | COLLECTIONS: |

+ **Create Database**

Q Search Namespaces

▼ **flip**   ⊕ 🗑

| **users**

Mongodb Compass

PLEASE also download and install Mongodb Compass, a GUI you run locally where you can create databases/collections/documents locally or in the cloud (on Atlas). So you can access the **flip** database that we just created using Mongodb Atlas. You will need this later when we import the startup projects. Sadly Mongo Atlas is very clunky when it comes to adding documents while Mongo Compass can import the provided json file instantly!

Download that Mongodb Compass download.