# TCSLMS

# Assets

## Google Cloud Resources

Most of the TCSLMS assets run from a pool a resources allocated to [students@thecodingspace.com](mailto:students@thecodingspace.com). Management, and an overview of everything that uses those resources can be found on the cloud dashboard. Note: At time of writing, several resources are near cap.

<https://console.cloud.google.com/home/dashboard?project=tcslms-staging&folder=&organizationId=&supportedpurview=project>

You can view firebase quota usage in isolation at these links

<https://console.firebase.google.com/u/0/project/tcslms/usage>

<https://console.firebase.google.com/u/0/project/tcslms-staging/usage>

## Firebase Projects

The majority of TCSLMS assets can be found in firebase projects, including database, web host, file storage, and some database scripts. All of these and the Google Scripts run off the same processing and storage quotas (Cloud Resources)

* TCSLMS
  + Private Domain: <https://coding.space/>
  + Firebase Domains:
    - [https://tcslms.firebaseapp.com](https://tcslms.firebaseapp.com/)
    - [https://tcslms.web.app](https://tcslms.web.app/)
  + FB Management: <https://console.firebase.google.com/u/0/project/tcslms>
* TCSLMS-Staging
  + Private Domain: <https://staging.coding.space/>
  + Firebase Domains
    - <https://tcslms-staging.web.app/>
    - <https://tcslms-staging.firebaseapp.com/>
  + FB Management: <https://console.firebase.google.com/u/0/project/tcslms-staging>

## Github

Codebase is hosted on github. At time of writing, development is almost exclusively done in a branch of a different user (awesomeisfree), however, plans of merging back to main line are soon approaching.

Main repo: <https://github.com/madduccino/coding.space>

(Currently developing in a branch at: <https://github.com/awesomeisfree/coding.space>)

## Google Script

A couple of Google Scripts handle email integration and retrieval as part of a service the webhost makes use of. Uses the Google Cloud Resources

<https://script.google.com/home>

Direct Link to script file: <https://script.google.com/a/thecodingspace.com/d/1AgRNWjSoJvEnjvpSWWYURetwe1RROcFg6tzbqc_jqpi6gOwv3rP8fwOz/edit>

## EmailJs

An account at emailjs is maintained for use of sending emails through webservices called on by the web hosts. At time of writing, this is disabled in Staging, and production is not merged.

<https://dashboard.emailjs.com/admin>

# Accounts

[Students+admin@thecodingspace.com](mailto:Students@thecodingspace.com)

Webhost username: admin

Admin access to everything

Current pw: C0dingSpace

students+[titi.bobbi@thecodingspace.com](mailto:titi.bobbi@thecodingspace.com)

Web host username: titi.bobbi

Student access to the web host (testing)

Current pw: asdf1234

[students+admin@thecodingspace.com](mailto:students+admin@thecodingspace.com)

Emailjs account

Current pw: C0dingSpace

# Database

Staging

* <https://console.firebase.google.com/u/0/project/tcslms-staging/database/tcslms-staging/data>

Production

* <https://console.firebase.google.com/u/0/project/tcslms/database/tcslms/data>

Database consists of seven json objects

* [**Classes**](https://console.firebase.google.com/u/0/project/tcslms-staging/database/tcslms-staging/data/db/Classes)
  + **Contains membership and meta data for classes**
* [**Profiles**](https://console.firebase.google.com/u/0/project/tcslms-staging/database/tcslms-staging/data/db/Profiles)
  + **Contains metadata for users.**
  + **Snippets, for use with the simulator, are also currently saved here (because it was convenient at the time)**
* [**Progress**](https://console.firebase.google.com/u/0/project/tcslms-staging/database/tcslms-staging/data/db/Progress)
  + **Contains untutorial progress information. Userid->untutorial id**
    - **Including, approved/disapproved, comments, timestamps, and basic untut information.**
* [**Projects**](https://console.firebase.google.com/u/0/project/tcslms-staging/database/tcslms-staging/data/db/Projects)
  + **Contains finished and published student projects for view in the universe. If something is here, that means someone approved every step and the student published**
* [**Questions**](https://console.firebase.google.com/u/0/project/tcslms-staging/database/tcslms-staging/data/db/Questions)
  + **Contains questions and responses for use in the Q&A forum (rocketfuel)**
* [**Resources**](https://console.firebase.google.com/u/0/project/tcslms-staging/database/tcslms-staging/data/db/Resources)
  + **Contains teacher/admin only documents**
* [**Untutorials**](https://console.firebase.google.com/u/0/project/tcslms-staging/database/tcslms-staging/data/db/Untutorials)
  + **Contains untutorial instructions and metadata.**

# Development

The entire spread is written in javascript, from the google scripts, to the react web app itself.

Speaking of, the web host is written in react.

To set up a development environment

* Clone the repo
* Install npm
* Install firebase-cli (<https://firebase.google.com/docs/cli>) (npm install -g firebase-tools)
* Firebase login
* Firebase use tcslms-staging
* “Npm install” dependencies in the directory
* Npm install firebase-admin
* Add environment files to the root and credential file to the functions folder
* “Npm run build”
* Firebase serve

Deployment to staging

* Firebase use tcslms-staging
* Generally: Firebase deploy --only host
* If you need to deploy something other than hosting, use similar commands:
* Firebase deploy --only functions, etc.

Deployment to production

* Firebase use tcslms
* Firebase deploy --only hosting
* To move the database over… (NOT RECOMMENDED unless you know what you are doing)
  + Goto <https://console.firebase.google.com/u/0/project/tcslms-staging/database/tcslms-staging/data>
  + Click export to JSON
  + Goto <https://console.firebase.google.com/u/0/project/tcslms/database/tcslms/data>
  + Click import from JSON