Documentation

**Features**

(for Resume)

* Firebase authentication
* Stores collections in Firestore
* Spaced repetition
* Reward cramming behavior
* Give points for just answering
* Shows progress statistics
* React & Redux

**Details**

* Can share flashcards with other users (by adding the user’s ID on their white list).
* Can write math functions or different languages.
* Points for answering questions. The point for answering right or wrong is the same.
* Warning if the student gets a flashcard wrong for twice in a row.
* Overall grade can be graded on a scale of F- to A+. Green for A+, gray for F-. Grades in-between are the colors in the middle.
* A session can be from one specific flashcard or multiple flashcards selected.

**User Experience**

**Project**

Change project name to “Tsundoku” (the folder name and the name in package.json)

Introduce Framer Motion (Net Ninja playlist)

**Simple sign in page (/signin)**

**Navbar (Sign In | Sign Up)**

User interface

Firestore

Functionalities

Animations using Framer Motion

**Simple sign up page (/signup)**

**(Sign In | Sign Up)**

User interface

Firestore

Functionalities

Animations using Framer Motion

**Main page (/)**

**(Flashcards:** Daily Challenge, Study, Manage Flashcards **| Challenges:** Add a Challenge, Complete Challenges **| Rewards | Statistics | Settings | Log Out)**

* Statistics at the top middle that shows progress based on daily challenges.
* 4 cards each with options to choose from (e.g. daily challenge, add flashcard).
* Responsive

**Flashcards (flashcards)**

**Add flashcards (/flashcards/add)**

**Daily Challenge (/flashcards/daily)**

**Challenges (/challenges)**

**Add Challenges (/challenges/add)**

* Similar to rewards page, with collections.

**Rewards (/rewards)**

* User can write down rewards, and add points based on his own judgments.
* A small modal ( ! ) showing examples of what rewards should be how many points.
* Utilizes MaterializedCSS’ collection.
* Has achievements sections on a different tab. Achievements include number of flashcards created, finished, daily challenge streaks etc. Each challenge has bronze, silves and gold.

**Statistics page (/stat)**

* Shows progress on how many flashcards were finished in a single day on average. Shows a graph to visualize the data.
* Daily challenge progress. Similar to github’s main profile page.
* Number of flashcards and collections created.

**Settings (/settings)**

* Theme
* Number of flashcards in each daily challenges

**Collections**

Rules

A user can guess a flashcard once in a day.

Daily challenge can be completed once a day.

A flashcard can go to the completed.

Finished flashcards can be moved to the unfinished collection, but not the other way around.

When doing a session