

TOC (Table of Content)

Assignment

To start with the assignment, make sure you have the latest version of node.js. Install it from [here](#). After installing open the folder in a terminal / command prompt and issue the following commands to get started:

```
$ cd ck12_toc  
$ npm install  
$ npm start
```

The server would be by default running on <http://localhost:3000>. If you wish to change the port, you can do that in line 8 of `index.js` in root folder. All the files that you are required to edit is present in the `public` folder. Please do not make any changes to `api` folder as it is responsible for serving the API requests.

API Documentation

There are two types of APIs here. One is to get the first level book details and the other to get the second level details

Get Book Details:

This API is responsible for getting first level details (gets details of chapters and lessons in first level)

- URL

/api/book/:id

- **Method:**

GET

- **Path Params:**

- **id:** The id of the book. Eg: maths

- **Sample Success Response:**

The success response is an array of objects. Each Object can be a chapter or a lesson

```
{
  response: [
    {
      childrenCount: 9, //The number of lesson the chapter has
      id: 4443990, //The id of chapter or lesson
      sequenceNO: 1, //The order in which the item should be displayed in toc
      title: "Ratios", //The title of chapter or lesson
      type: "chapter", //Can be either "chapter" or "lesson"
      completeCount: 9 //The count of lesson that has been complete under this chapter
    },
    {
      childrenCount: 0, //Will be always 0 for lessons
      id: 1131520, //The id of chapter or lesson
    }
  ]
}
```

```
        sequenceNO: 2, //The order in which the item sh
ould be displayed in toc
        title: "Fractions Explained in Depth", //The ti
tle of chapter or lesson
        type: "lesson", //Can be either "chapter" or "l
esson"
        status: "COMPLETE" //Status of lesson
    },
    status: "OK",
    statusCode: 200
}
```

- **Sample Error Response:**

```
{
  response: {
    message: "Book not found in DB"
  },
  status: "NOT-FOUND",
  statusCode: 404
}
```

- **Example**

<http://localhost:3000/api/book/maths>

Get Chapter Details:

This API is responsible for getting the second level details (gets details of

lessons under a chapter)

- **URL**

`/api/book/:id/section/:sectionid`

- **Method:**

`GET`

- **Path Params:**

- **id:** The id of the book. Eg: maths
- **sectionid:** The id of the chapter. Eg: 4443990

- **Sample Success Response:**

The success response is an array of objects. Each Object is a lesson with status of completion

```
{
  response: [
    {
      id: 4423715, //The id of the lesson
      sequenceNO: 1, //The order in which the item
      should be displayed in toc
      title: "Introducing Ratios - Math 6 CCSS", //
      The title of lesson
      type: "lesson", //Type is always lesson
      status: "COMPLETE" //Can be one of "COMPLETE"
      , "IN_PROGRESS", "NOT_STARTED"
    }
  ],
  status: "OK",
  statusCode: 200
}
```

```
}
```

- **Sample Error Response:**

```
{  
  response: {  
    message: "Book or section not found in DB"  
  },  
  status: "NOT-FOUND",  
  statusCode: 404  
}
```

- **Example**

<http://localhost:3000/api/book/maths/section/4443990>