

# **Anosmia Screening Project**

**Documentation**

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## **#Download code from the Project Link:**

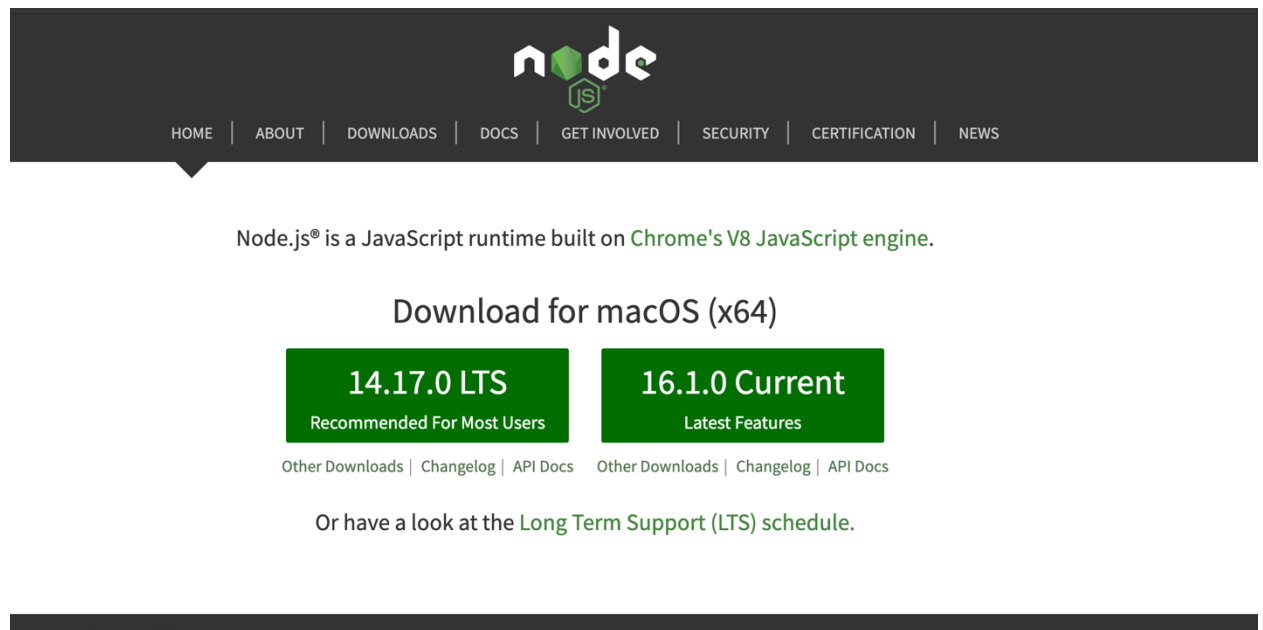
**<https://github.com/ankitshah59/Anosmia>**

- After downloading the file, please extract the '*Anosmia-master*' folder on the Desktop and rename to 'Anosmia'. It will help us have a proper name usage in the processes below in different section.

## **Steps to follow:**

### **1) Install nodeJs**

**<https://nodejs.org/en/>**



### **- Please download LTS version (Recommended for most Users)**

**2) If you are on Windows open windows command prompt (type cmd in the search bar) or if you are on MacOS open terminal (type terminal in the search bar) and follow the following commands to install the packages needed to run website:**

- a) First check if the node package manager (npm) is installed by typing:

`npm --v`

---

```
C:\> Command Prompt

Microsoft Windows [Version 10.0.19042.928]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ankit Shah>npm --v
7.12.1

C:\Users\Ankit Shah>
```

If you get the version number, then “npm” is installed.

- b) Install React framework globally by typing:

`npm install -g create-react-app`

---

```
C:\> Command Prompt

Microsoft Windows [Version 10.0.19042.928]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ankit Shah>npm install -g create-react-app
```

- c) Place the folder in the Desktop and Navigate to the folder “Anosmia” where the source code for the project is present (In my case the Anosmia folder is on my Desktop). Change Directory by using the command:

`cd Desktop /Anosmia`

---

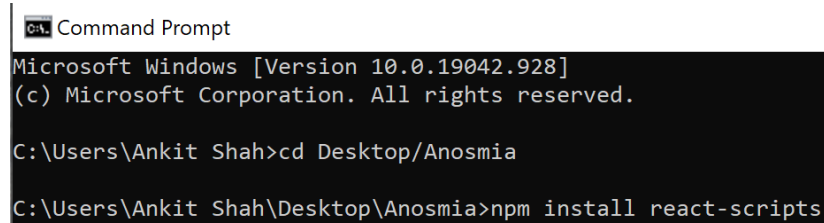
```
C:\> Command Prompt

Microsoft Windows [Version 10.0.19042.928]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ankit Shah>cd Desktop/Anosmia
```

- d) On the same directory where the Anosmia folder is, install the npm scripts:

```
npm install react-scripts
```



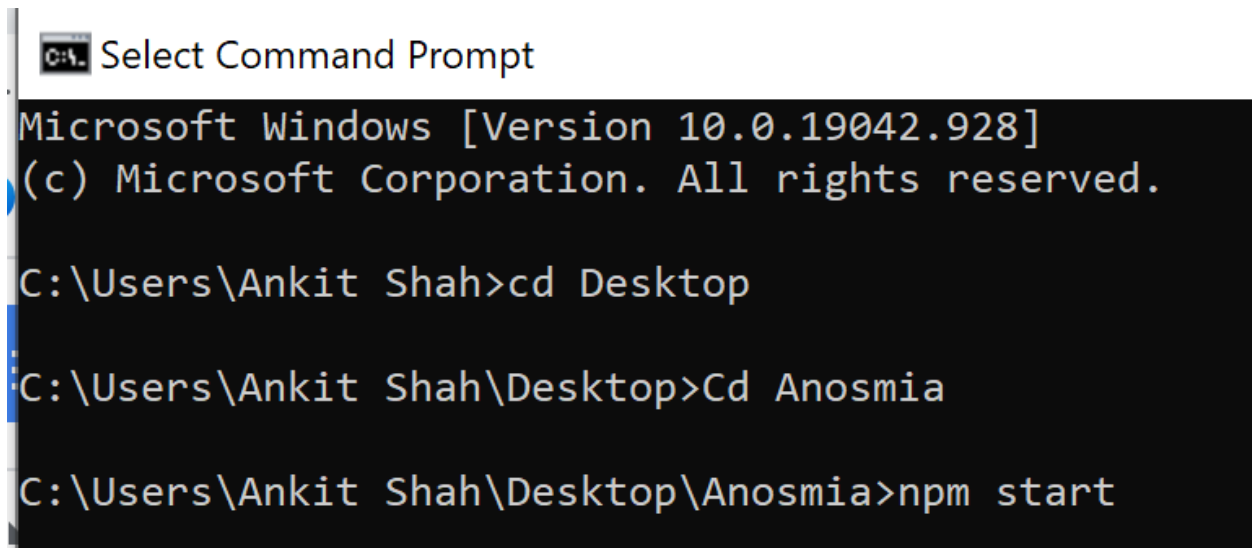
```
Command Prompt
Microsoft Windows [Version 10.0.19042.928]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ankit Shah>cd Desktop\Anosmia

C:\Users\Ankit Shah\Desktop\Anosmia>npm install react-scripts
```

- e) Run to verify if the website opens on the web browser:

```
npm start
```



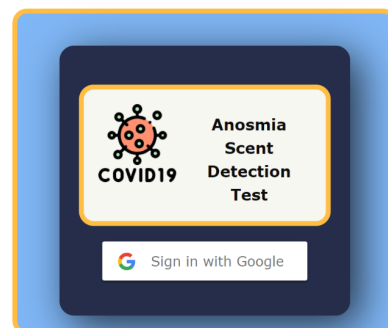
```
Select Command Prompt
Microsoft Windows [Version 10.0.19042.928]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ankit Shah>cd Desktop

C:\Users\Ankit Shah\Desktop>Cd Anosmia

C:\Users\Ankit Shah\Desktop\Anosmia>npm start
```

- f) There might be some delay in project code bundled by npm. This will open the project locally in your default web browser (localhost:3000). This is intended just to have a preview of the website, not hosting it. (*We will host the website in Section 4.*)

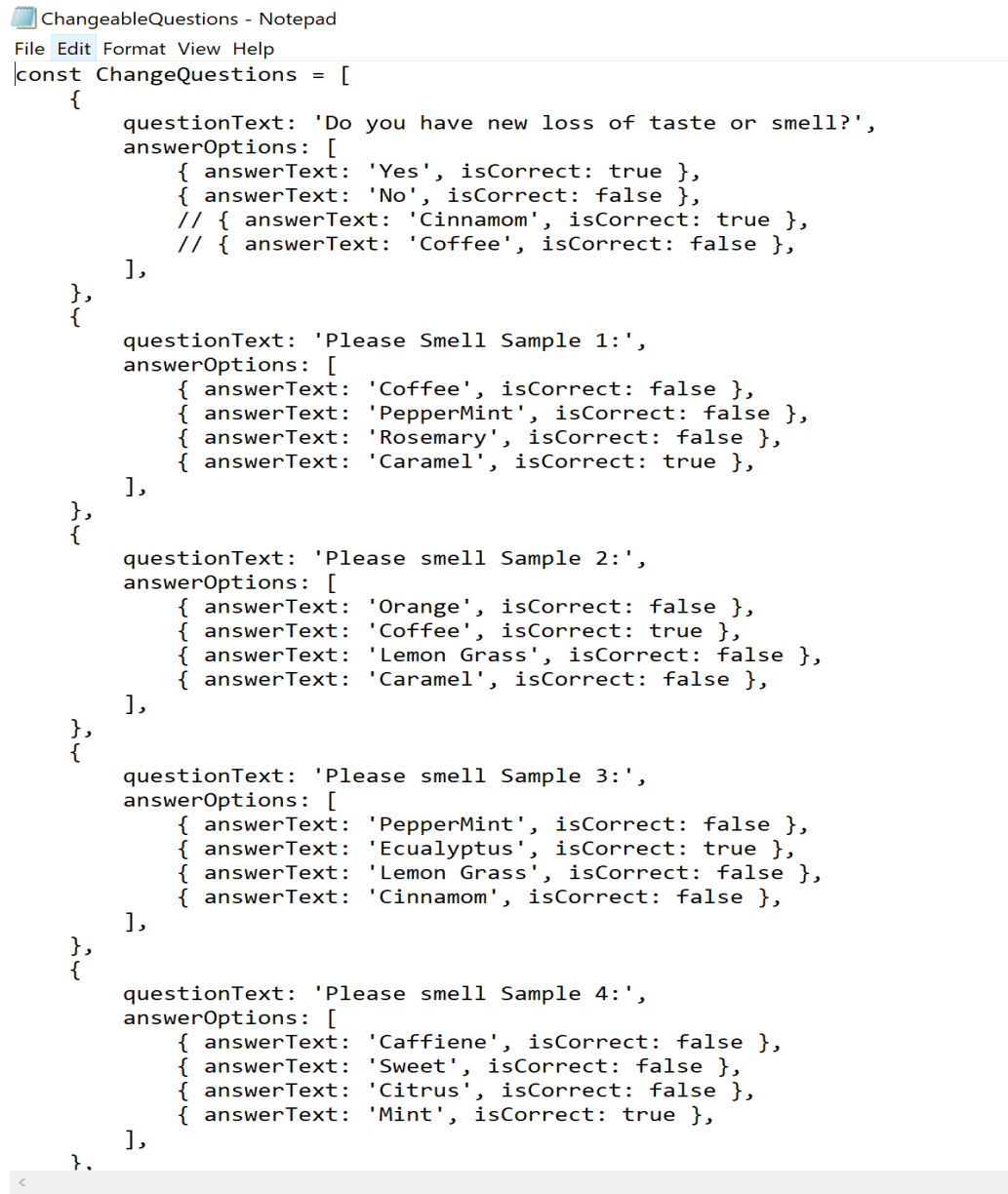


### 3) Changing the Questions:( There are two ways to open the question file.)

#### 3.1)Choice 1

- The Shortcut way is to open the “Anosmia” Folder and inside again open the folder named “src”. (*Anosmia > src > ChangeableQuestions.js*)

-Then open the file called “ChangeableQuestions.js” using Notepad/Text Editor/MS WORD and edit the questions/answer responses. (*Before Editing please check Section 3.3*)



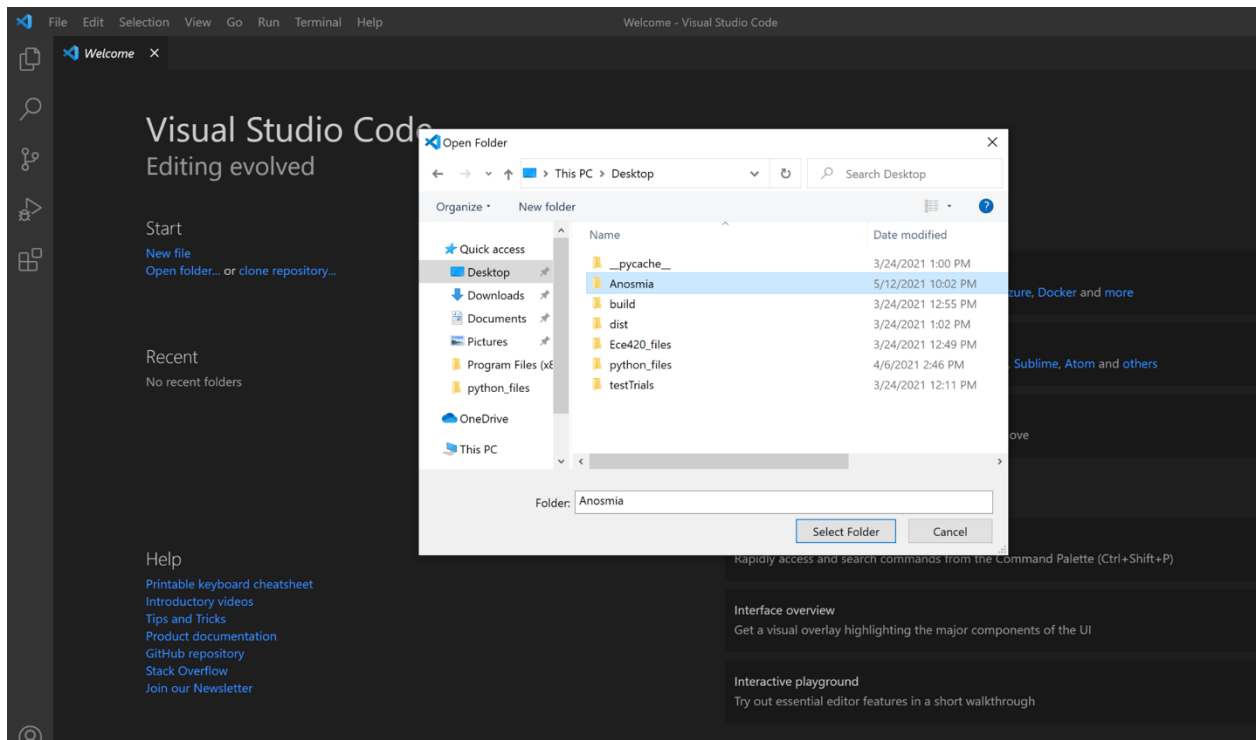
```
ChangeableQuestions - Notepad
File Edit Format View Help
const ChangeQuestions = [
  {
    questionText: 'Do you have new loss of taste or smell?',
    answerOptions: [
      { answerText: 'Yes', isCorrect: true },
      { answerText: 'No', isCorrect: false },
      // { answerText: 'Cinnamom', isCorrect: true },
      // { answerText: 'Coffee', isCorrect: false },
    ],
  },
  {
    questionText: 'Please Smell Sample 1:',
    answerOptions: [
      { answerText: 'Coffee', isCorrect: false },
      { answerText: 'PepperMint', isCorrect: false },
      { answerText: 'Rosemary', isCorrect: false },
      { answerText: 'Caramel', isCorrect: true },
    ],
  },
  {
    questionText: 'Please smell Sample 2:',
    answerOptions: [
      { answerText: 'Orange', isCorrect: false },
      { answerText: 'Coffee', isCorrect: true },
      { answerText: 'Lemon Grass', isCorrect: false },
      { answerText: 'Caramel', isCorrect: false },
    ],
  },
  {
    questionText: 'Please smell Sample 3:',
    answerOptions: [
      { answerText: 'PepperMint', isCorrect: false },
      { answerText: 'Ecualyptus', isCorrect: true },
      { answerText: 'Lemon Grass', isCorrect: false },
      { answerText: 'Cinnamom', isCorrect: false },
    ],
  },
  {
    questionText: 'Please smell Sample 4:',
    answerOptions: [
      { answerText: 'Caffiene', isCorrect: false },
      { answerText: 'Sweet', isCorrect: false },
      { answerText: 'Citrus', isCorrect: false },
      { answerText: 'Mint', isCorrect: true },
    ],
  },
]
```

### **3.2)Choice 2 (Recommended way)**

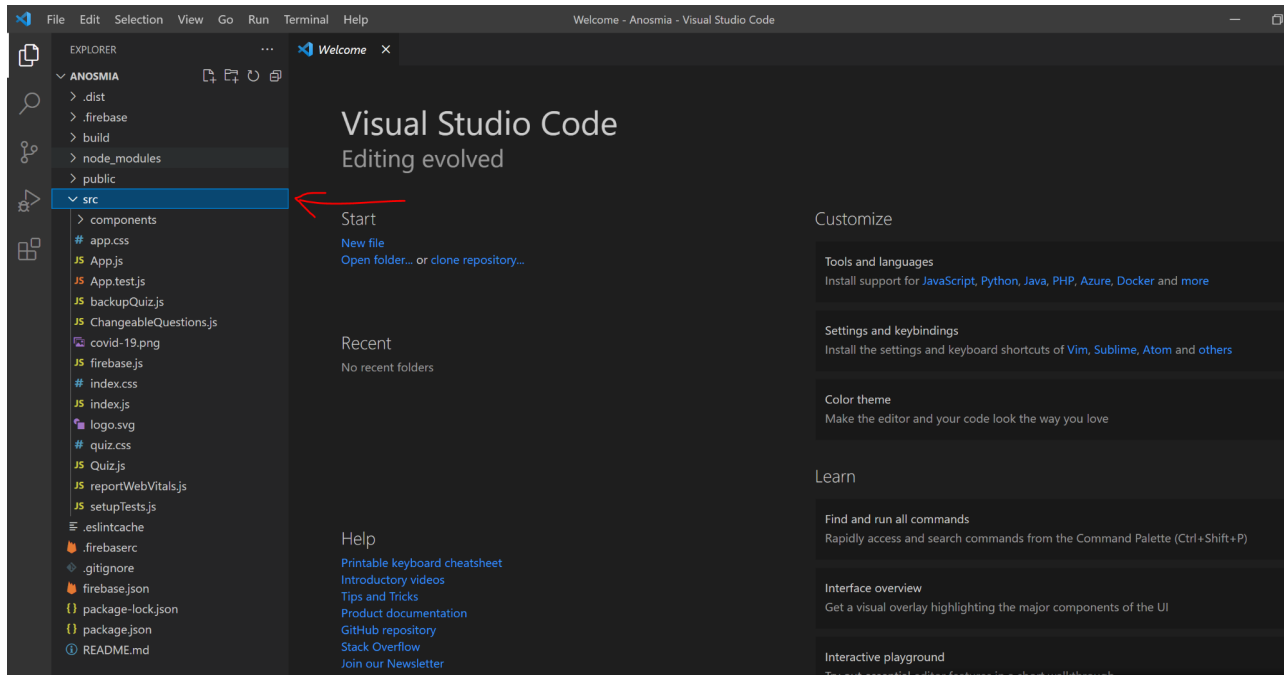
- a) Please Install your favorite code editor, I recommend installing VS Code by downloading from the following link:

<https://code.visualstudio.com/>

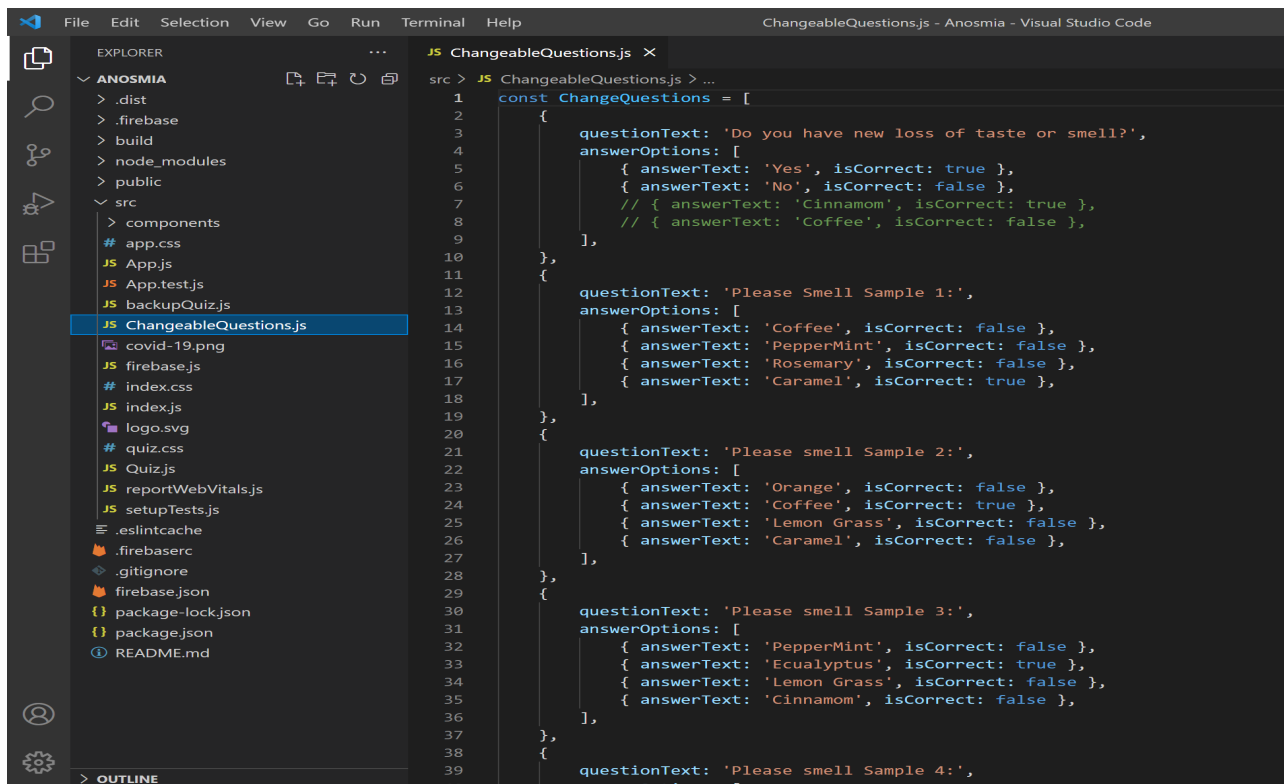
- b) **When VS code is installed:**  
- **Navigate and Open the Project File.**



**c) On the Left side of VS code, expand the “src” column as shown in the picture below.**



d) Press on the File called “ChangeableQuestions.js” you will see the contents of the files





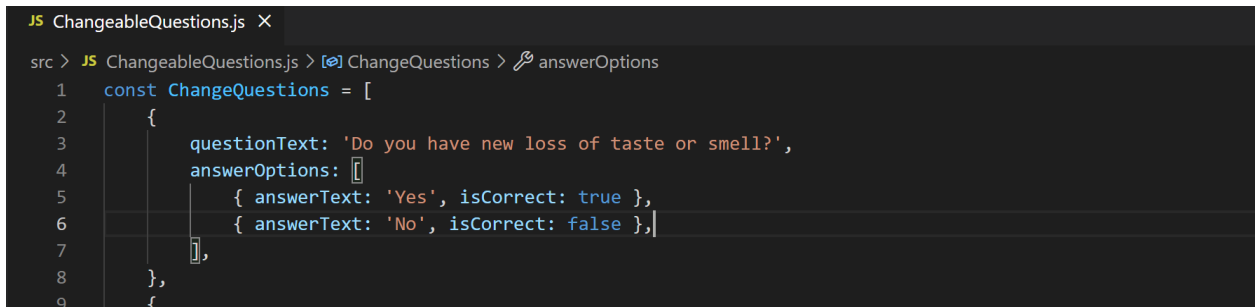
### 3.3) Important Tips on Editing the Questions:

#### a) Variables used:

- **questionText:** refers to the questions which are enclosed inside quotation marks.
- **answerText:** refers to the answer choices which are enclosed inside quotation marks.
- **isCorrect:** *true* refers to correct option and *false* refers to incorrect option.

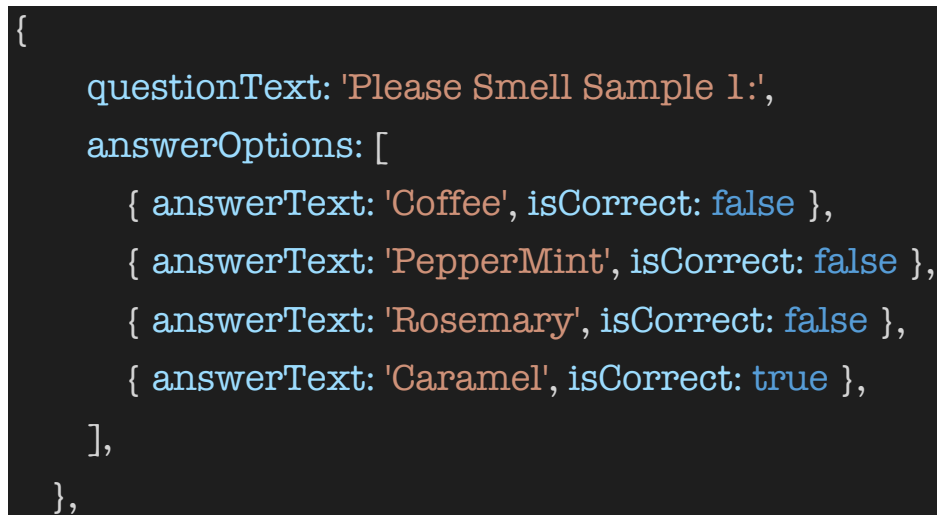
#### b) Do NOT Edit Question No. 1:

Question No.1 is the default gateway to further questions and will only have two options ( 'true' and 'false' ) of the Question 'Do you have new loss of taste or smell?'. Please do not edit this first question.



```
JS ChangeableQuestions.js X
src > JS ChangeableQuestions.js > [x] ChangeQuestions > answerOptions
1  const ChangeQuestions = [
2    {
3      questionText: 'Do you have new loss of taste or smell?',
4      answerOptions: [
5        { answerText: 'Yes', isCorrect: true },
6        { answerText: 'No', isCorrect: false },
7      ],
8    },
9  ]
```

#### c) Correct Ways to Edit other questions:



```
{
  questionText: 'Please Smell Sample 1:',
  answerOptions: [
    { answerText: 'Coffee', isCorrect: false },
    { answerText: 'PepperMint', isCorrect: false },
    { answerText: 'Rosemary', isCorrect: false },
    { answerText: 'Caramel', isCorrect: true },
  ],
},
```

Here For Instance,

- In **QuestionText** question can be changed from 'Please Smell Sample 1:' to 'Identify Sample 2:'

- In *answerText* options can be changed from 'Coffee' to 'Chocolate'. And other options can also be changed the same way.
- In *isCorrect* text are coded in such a way that in the answer block there are three *false* statements for the wrong answer and one *true* statement for the correct answer . (Please be cautious to check not to put more than one true statements in the *answer Text* option set)

d) Here is how an updated question from above would look like:

```
{
  questionText: 'Identify Sample 2:',
  answerOptions: [
    { answerText: 'Chocolate', isCorrect: true },
    { answerText: 'Mango', isCorrect: false },
    { answerText: 'Rosemary', isCorrect: false },
    { answerText: 'Coffee', isCorrect: false },
  ],
},
```

e) **Important:** The *questionText* and *answerText* must be inside single quotation marks ( ' '). The *isCorrect* option should only contain *true* and *false* statements without quotation marks .

- f) Feel Free to copy and paste the segment of the code in order to change the number of questions. Just make sure to include the entire block of code enclosed within outer curly braces structure. `{ code }`, as shown in the diagram below.

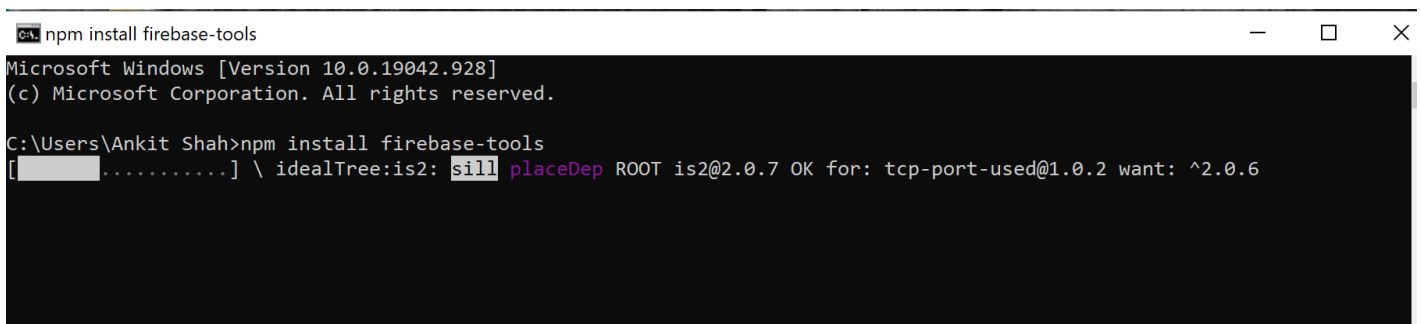
```
{  
  
  questionText: 'Identify Sample 2:',  
  answerOptions: [  
    { answerText: 'Chocolate', isCorrect: true },  
    { answerText: 'Mango', isCorrect: false },  
    { answerText: 'Rosemary', isCorrect: false },  
    { answerText: 'Coffee', isCorrect: false },  
  ],  
},
```

#### **4) Hosting The Website on Firebase:**

**a) Install the Firebase Tools:**

*In your terminal type:*

`npm install firebase-tools`



```
npm install firebase-tools  
Microsoft Windows [Version 10.0.19042.928]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\Ankit Shah>npm install firebase-tools  
[.....] \ idealTree:is2: sill placeDep ROOT is2@2.0.7 OK for: tcp-port-used@1.0.2 want: ^2.0.6
```

**b) Login Into Firebase:**

`firebase login`

```
Select C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19042.928]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ankit Shah>firebase login
i Firebase optionally collects CLI usage and error reporting information to help improve our products. Data is collected in accordance with Google's privacy policy (https://policies.google.com/privacy) and is not used to identify you.
? Allow Firebase to collect CLI usage and error reporting information? Yes
```

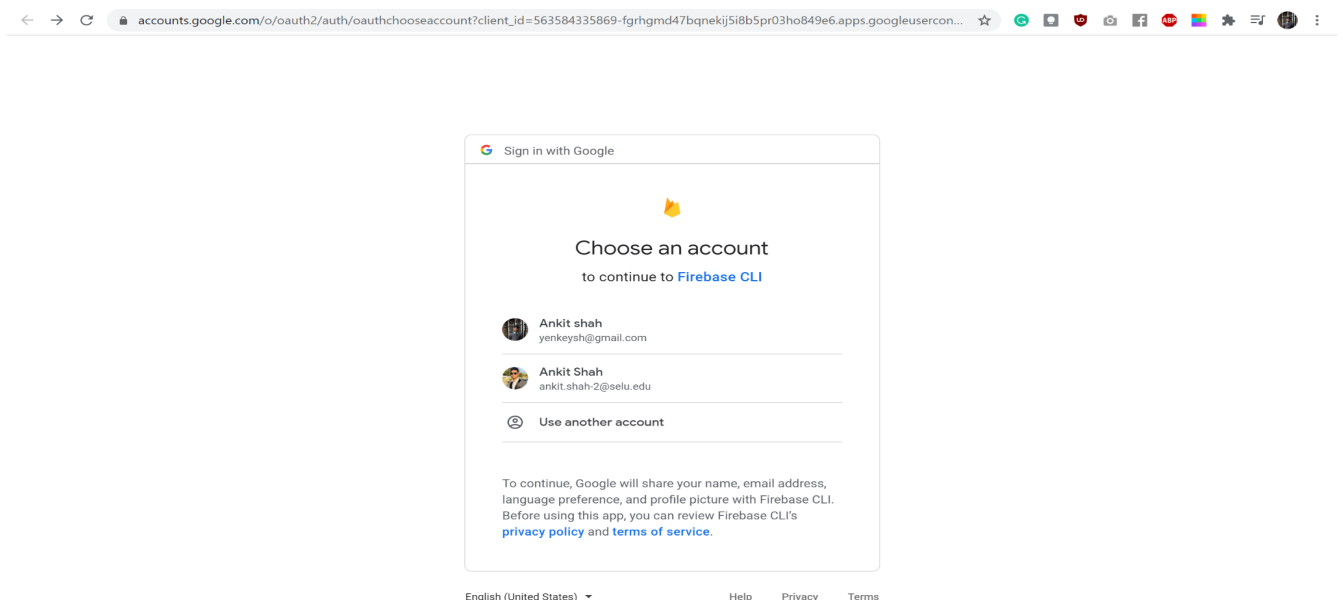
-After you type the command, the terminal will prompt you to ask (Y/N), please type **Y** to give permission to login.

*(ONLY if you have errors logging in type:*

**alias firebase="`npm config get prefix`/bin/firebase"**

*and retry **firebase login** command:)*

-After answering Yes, you will be directed to login using the google account.

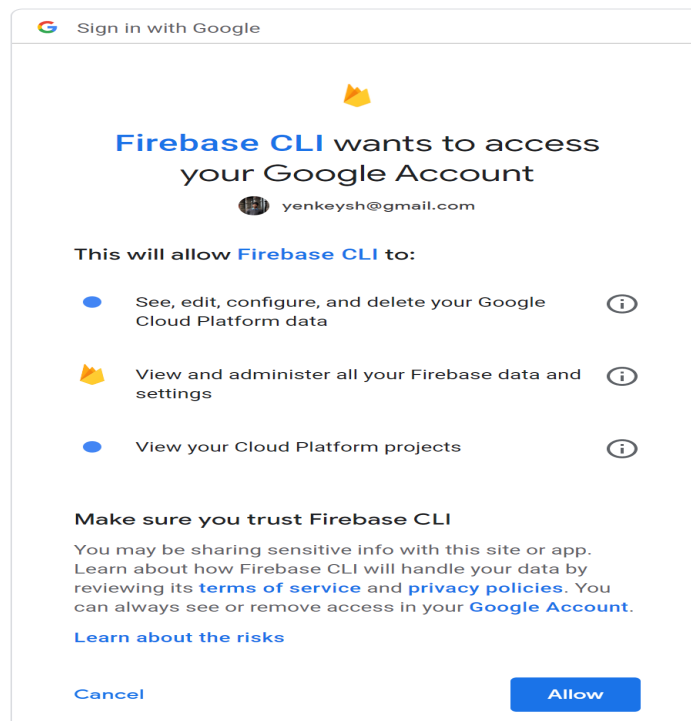


- Please **“Use Another Account”** method to sign in and enter the default email of our group.

Email: [anosmiatest123@gmail.com](mailto:anosmiatest123@gmail.com)

Password: (will be given to the team)

- **Allow** Access after you login.



**c) Navigate to the Project folder using the Command Prompt/Terminal**

*Make sure you are logged in to the firebase and navigate to the project folder.*

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19042.928]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ankit Shah>firebase login
Already logged in as yenkeysh@gmail.com

C:\Users\Ankit Shah>cd Desktop/Anosmia

C:\Users\Ankit Shah\Desktop\Anosmia>
```

#### d) Build the Project for Website:

Make sure you are still in the project directory, then type the following command on the terminal.

**npm run build**

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19042.928]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ankit Shah>firebase login
Already logged in as yenkeysh@gmail.com

C:\Users\Ankit Shah>cd Desktop/Anosmia
C:\Users\Ankit Shah\Desktop\Anosmia>npm run build
```

#### e) Initialize the firebase

Make sure you are still in the project directory, then type the following command on the terminal:

**firebase init**

**Here are some Important Steps to follow to host the Website:**

- At first it will ask: “Are you to proceed?” so answer **Yes**.
- Then it will ask:

```
C:\Windows\system32\cmd.exe - "node" "C:\Users\Ankit Shah\AppData\Roaming\npm\node_modules\firebase-tools\lib\bin\firebase.js" i...
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ankit Shah>cd Desktop/Anosmia
C:\Users\Ankit Shah\Desktop\Anosmia>firebase init

#####  #####  #####  #####  #####  #####  #####
##      ##      ##      ##      ##      ##      ##
#####  ##  #####  #####  #####  #####  #####
##      ##      ##      ##      ##      ##      ##
##      #####  ##  #####  #####  ##      ##      ##

You're about to initialize a Firebase project in this directory:

  C:\Users\Ankit Shah\Desktop\Anosmia

Before we get started, keep in mind:

  * You are initializing in an existing Firebase project directory

? Are you ready to proceed? Yes
? Which Firebase CLI features do you want to set up for this folder? Press Space to select features, then Enter to confi
rm your choices.
( ) Database: Configure Firebase Realtime Database and deploy rules
( ) Firestore: Deploy rules and create indexes for Firestore
( ) Functions: Configure and deploy Cloud Functions
> (*) Hosting: Configure and deploy Firebase Hosting sites
( ) Storage: Deploy Cloud Storage security rules
( ) Emulators: Set up local emulators for Firebase features
( ) Remote Config: Get, deploy, and rollback configurations for Remote Config
```

**“Which Firebase CLI features do you want to set up for this folder? Press Space to select features, then Enter to confirm your choices.”**

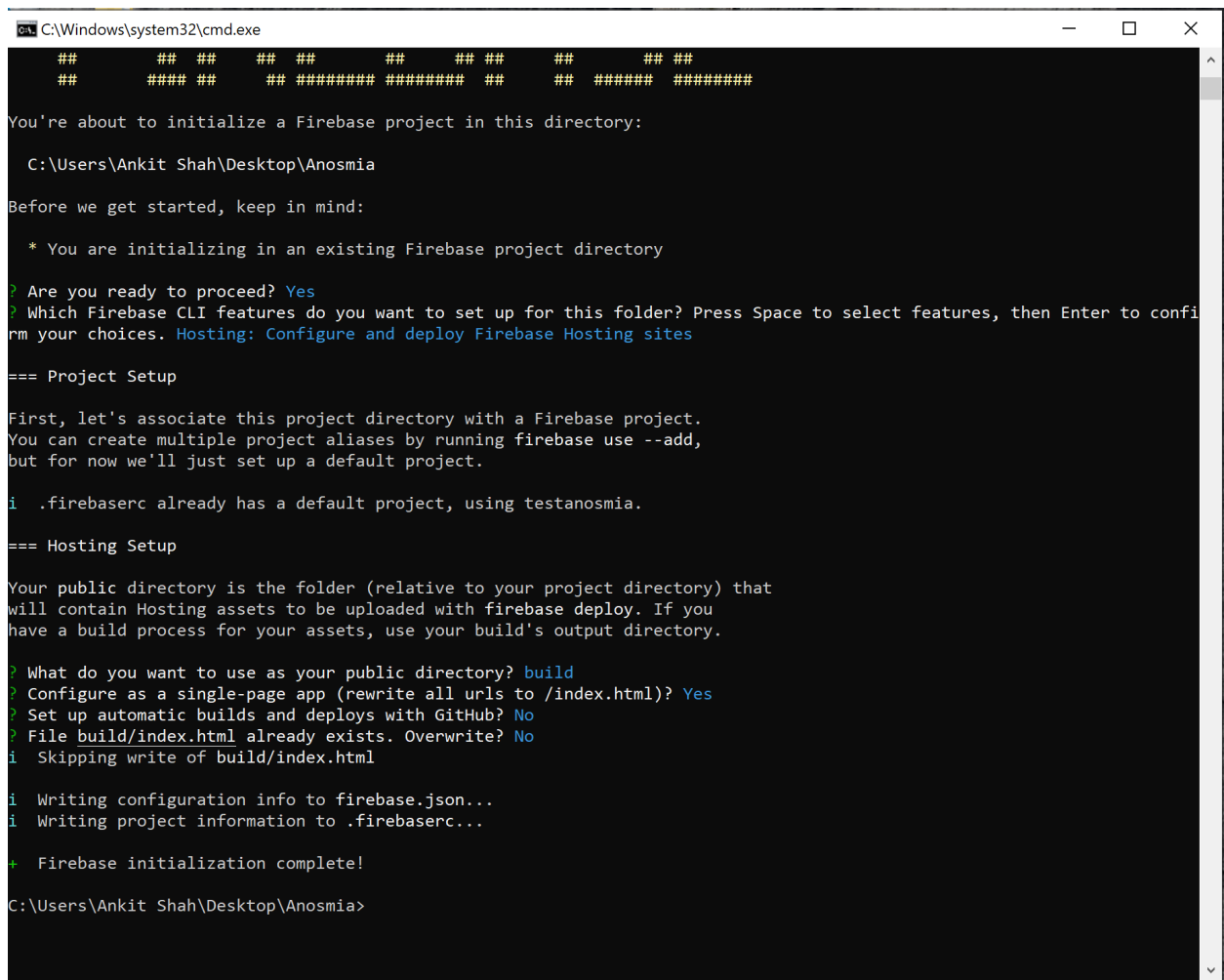
*Please use down arrow until you reach option **Hosting**, press spacebar to select it and hit enter.*

**f) Project Setup options:**

*Here are a few important questions that need to be answered exactly else the hosted website will have issues.*

*The responses to the questions are in **bold**.*

- ? What do you want to use as your public directory? **build**
- ? Configure as a single-page app (rewrite all urls to /index.html)? **Y**
- ? Set up automatic builds and deploys with GitHub? **N**
- ? File build/index.html already exists. Overwrite? **N**



```
C:\Windows\system32\cmd.exe

##      ## ##      ## ##      ##      ## ##      ##      ## ##
##      #### ##      ## ##### ##### ##      ## ##### #####

You're about to initialize a Firebase project in this directory:

  C:\Users\Ankit Shah\Desktop\Anosmia

Before we get started, keep in mind:

  * You are initializing in an existing Firebase project directory

? Are you ready to proceed? Yes
? Which Firebase CLI features do you want to set up for this folder? Press Space to select features, then Enter to confirm your choices. Hosting: Configure and deploy Firebase Hosting sites

=== Project Setup

First, let's associate this project directory with a Firebase project.
You can create multiple project aliases by running firebase use --add,
but for now we'll just set up a default project.

i .firebaserc already has a default project, using testanosmia.

=== Hosting Setup

Your public directory is the folder (relative to your project directory) that
will contain Hosting assets to be uploaded with firebase deploy. If you
have a build process for your assets, use your build's output directory.

? What do you want to use as your public directory? build
? Configure as a single-page app (rewrite all urls to /index.html)? Yes
? Set up automatic builds and deploys with GitHub? No
? File build/index.html already exists. Overwrite? No
i Skipping write of build/index.html

i Writing configuration info to firebase.json...
i Writing project information to .firebaserc...

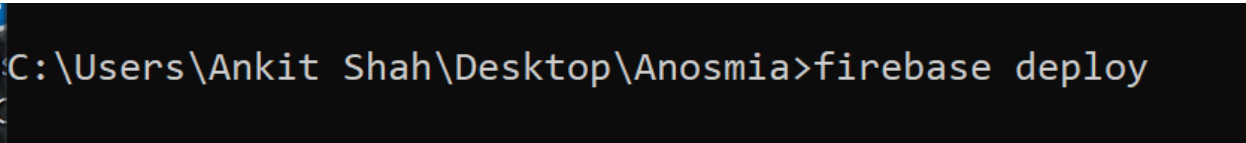
+ Firebase initialization complete!

C:\Users\Ankit Shah\Desktop\Anosmia>
```

**g) Finally Deploy the website:**

*At the end deploy the website using the command:*

**firebase deploy**



```
C:\Users\Ankit Shah\Desktop\Anosmia>firebase deploy
```

The website will be deployed at this point, the website can be accessed at:

<https://testanosmia.web.app/>

## **5) Accessing the Database:**

**Login Credentials for Database page:**

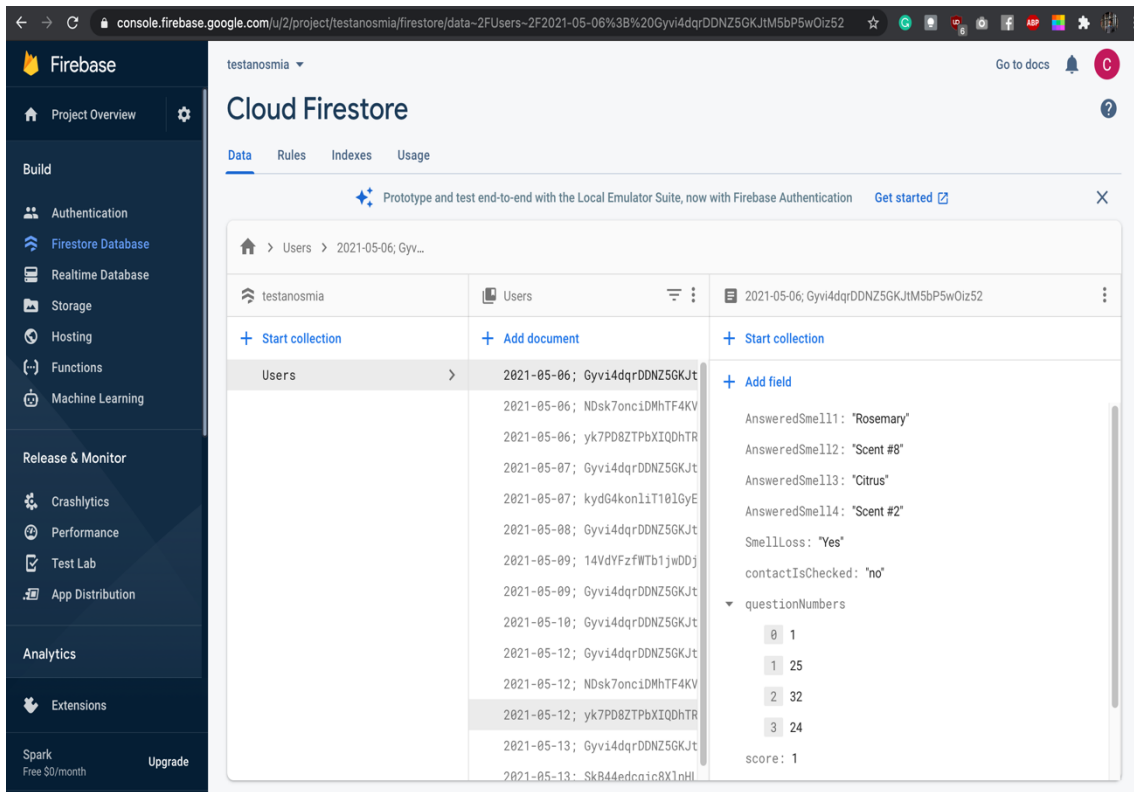
Username: anosmiatest123@gmail.com

Password: (provided to the team)

**To view the database input by user:**

- a) Go to [firebase.google.com](https://firebase.google.com)
- b) Login using the "Get Started" button on the lower left or "Go to console" button on the top right corner. (the username/password of Gmail account used is above in login credentials)
- c) Press on the "testanosmia" project
- d) On the left panel of the Firebase database console, there is an option called "Firestore Database". When you click on it, you will be able to see the database of all the user input. ( I have attached the picture).
- e) On the "Authentication" tab on the firebase console, will show the logged-in user email addresses. To maintain the animosity the user database is coded with an unique userID.





Data view of the Database

## 6) Downloading the Data from Firebase.

a) Place the “**testAnosmia.json**” file on your computers’ Desktop directory. It is an important separate file that has project database configuration.

*The download link to “testAnosmia.json” is here: <https://bit.ly/3od7KPW>*

b) Run the Database download script.

*Make sure the “testAnosmia.json” file is on Desktop. Then execute the following command:*

```
npx -p node-firestore-import-export firestore-export -a testAnosmia.json -b backup.json
```

c) You will have generated a file called ‘**backup.json**’ on your desktop.

Now you have two options to convert the .json file to .csv file.

### Option 1

Go to the website below and upload the '**backup.json**' file, then download the converted .csv file instantly:

<https://json-csv.com/>

### Option 2

If you are a windows user, download and use this free software to convert a .json to a .csv file.

<https://www.gunamoi.com.au/soft/savejson2csv/index.html#:~:text=SaveJson2CSV%20is%20a%20free%20tool,as%20an%20alternative%20to%20XML.>

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***Please feel Free to Email me to ask for any help or guidance.***

***Developer: Ankit Shah***

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***Phone no.: 505 234 5878***