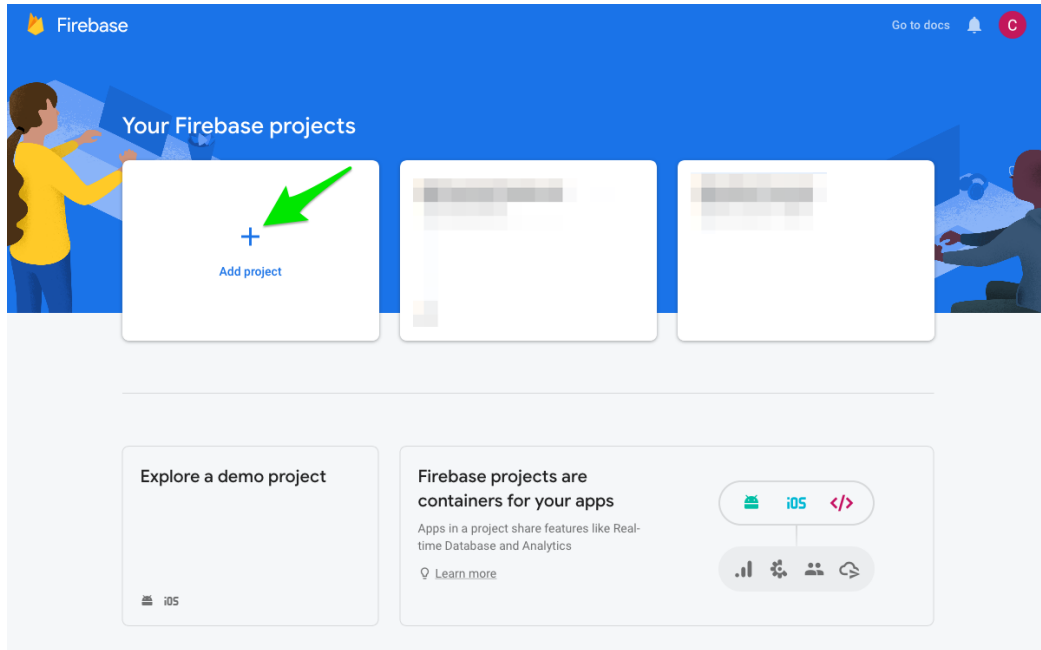


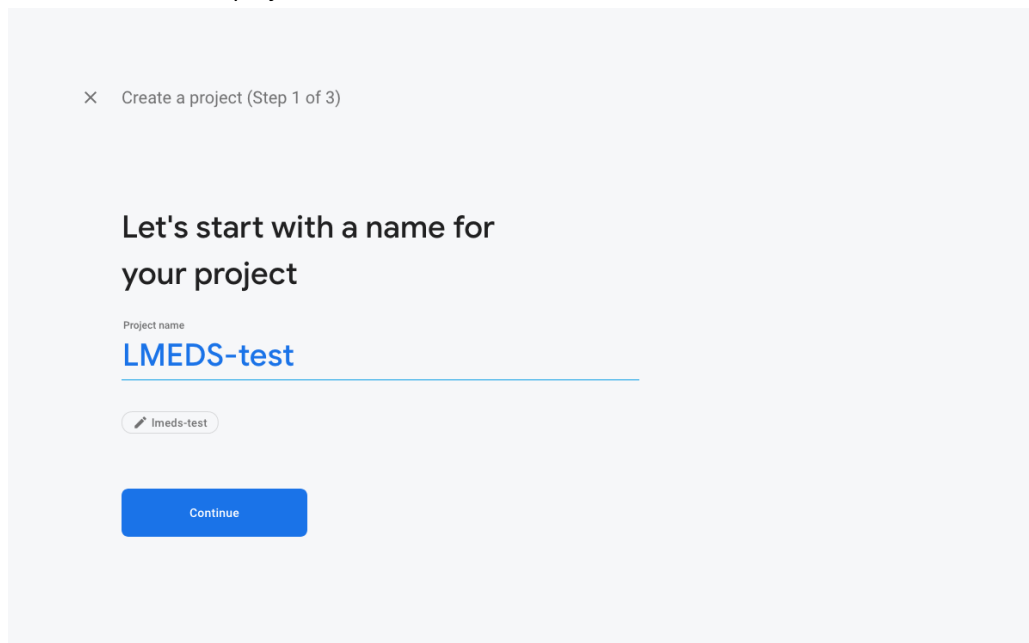
## NU-LMEDS2 INSTRUCTIONS

### DATA STORAGE

1. Using an existing or new Google account, log into Firebase (<https://firebase.google.com/>).
2. Click “Add Project”.



3. Enter a name for the project, then click “Continue”.



4. Turn off “Enable Google Analytics”. Click “Create Project”.

× Create a project (Step 2 of 2)

## Google Analytics for your Firebase project

Google Analytics is a free and unlimited analytics solution that enables targeting, reporting, and more in Firebase Crashlytics, Cloud Messaging, In-App Messaging, Remote Config, A/B Testing, Predictions, and Cloud Functions.

Google Analytics enables:

- × A/B testing ⓘ
- × User segmentation & targeting across Firebase products ⓘ
- × Predicting user behavior ⓘ
- × Crash-free users ⓘ
- × Event-based Cloud Functions triggers ⓘ
- × Free unlimited reporting ⓘ

☐ Enable Google Analytics for this project  
Recommended

[Previous](#)

Create project

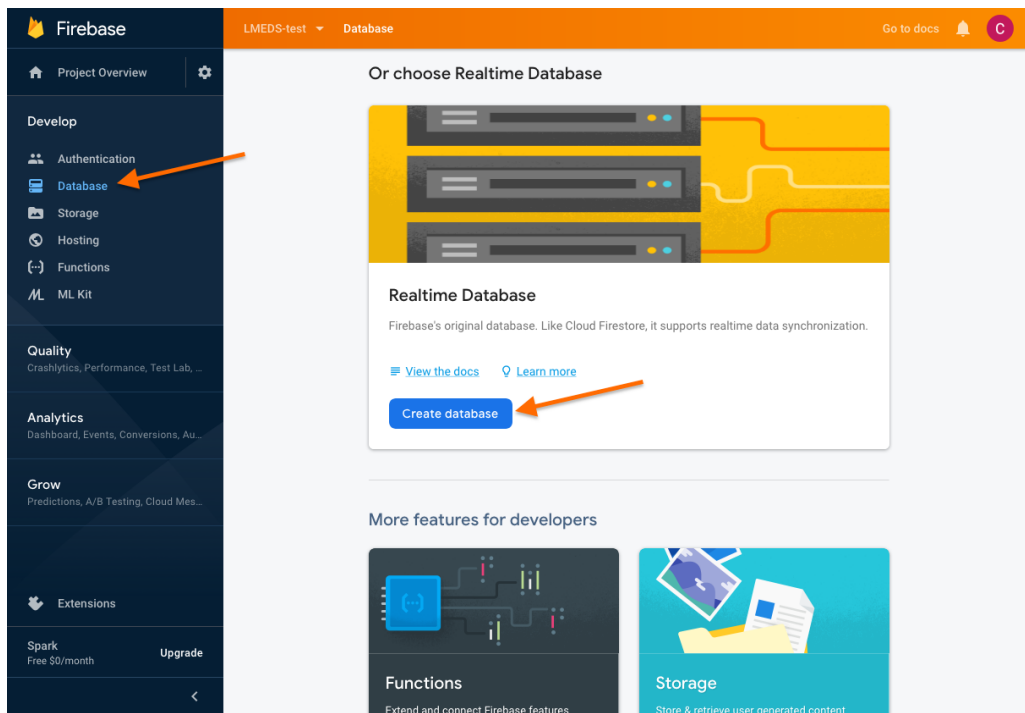


LMEDS-test

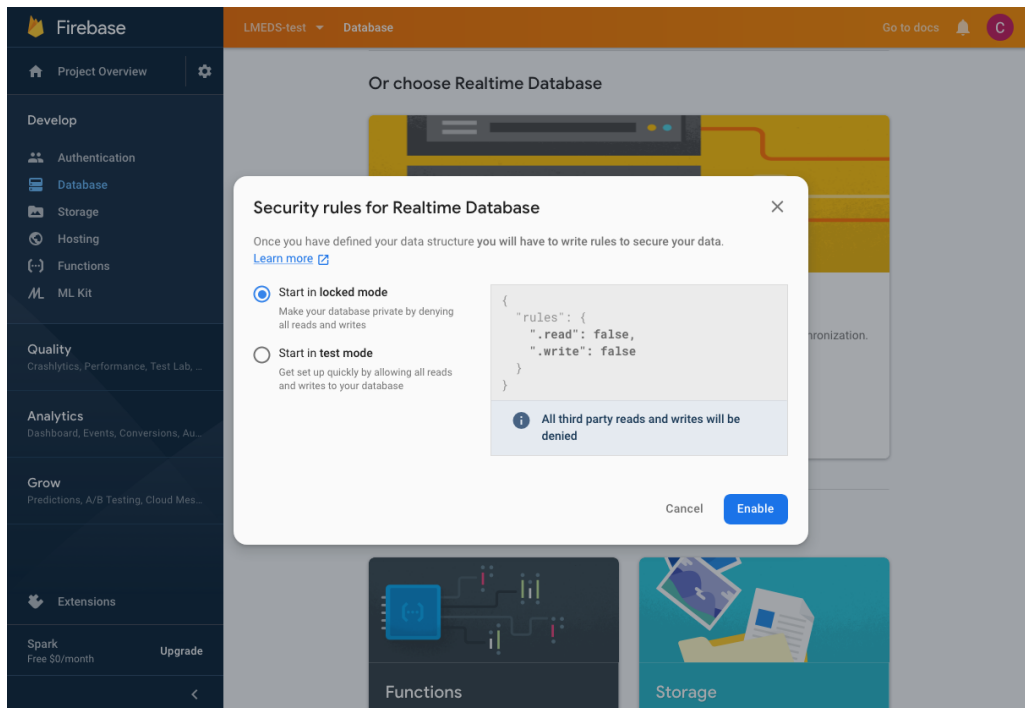
✓ Your new project is ready

Continue

5. In the “Develop” menu on the left sidebar, select “Database”. Then scroll down and select “Realtime Database”.



6. Select “Start in Locked Mode”, then click “Enable”

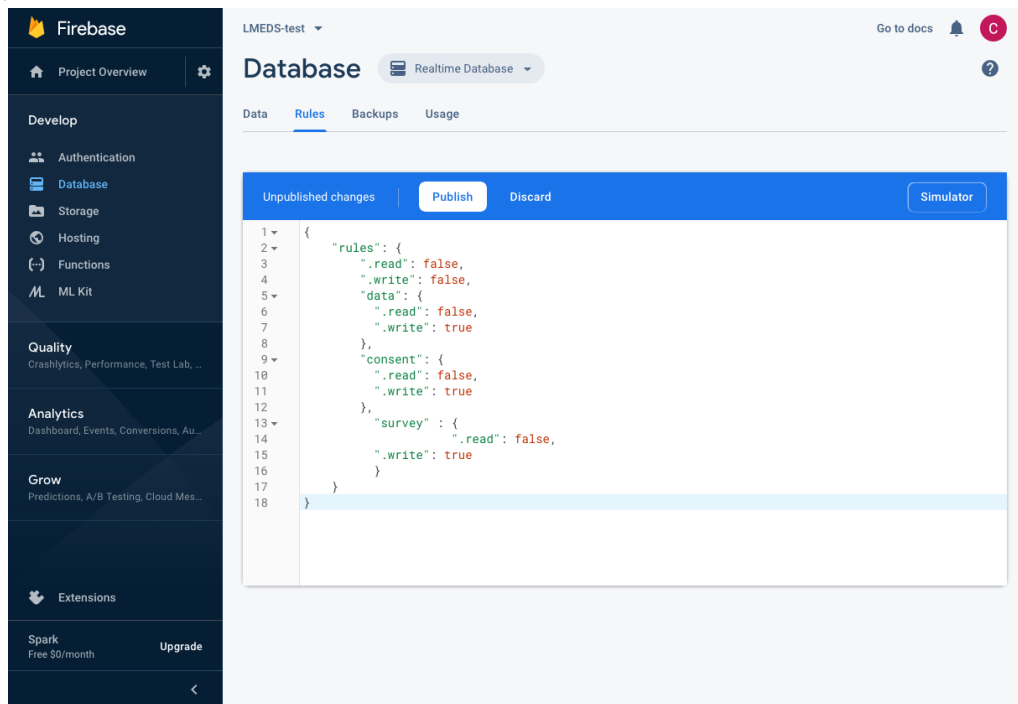


7. Select the “Rules” tab. Copy the text in the included “rules.json” file and paste into the rules panel in Firebase. Click “Publish”.
  8. Note: It is strongly recommended that you change these rules back to the “locked mode” when the experiment is complete to prevent unauthorized reading and writing to your database.
- ```
{
```

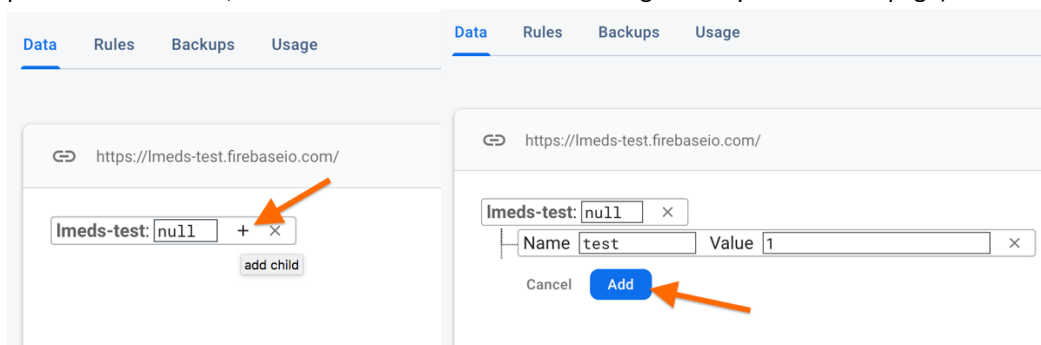
```

"rules": {
  ".read": false,
  ".write": false
}

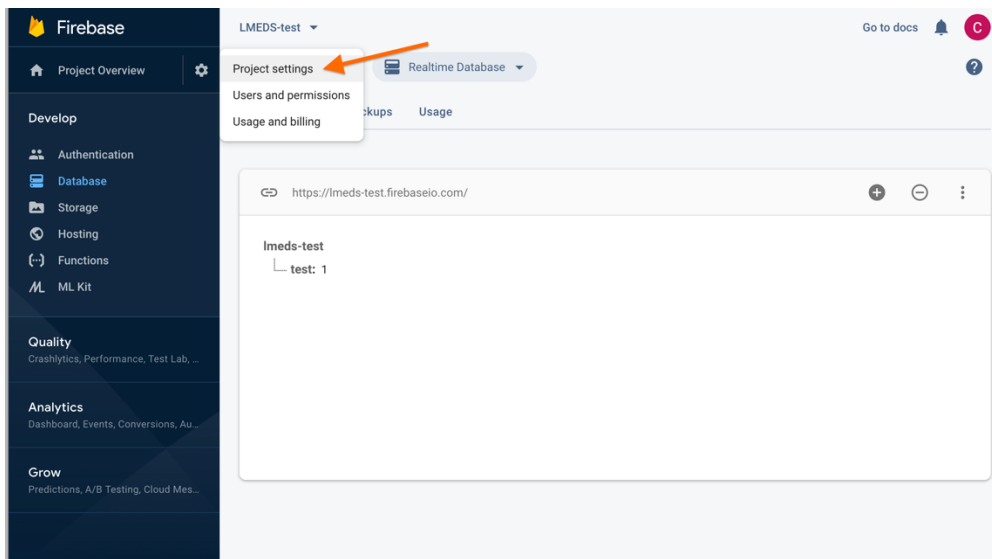
```



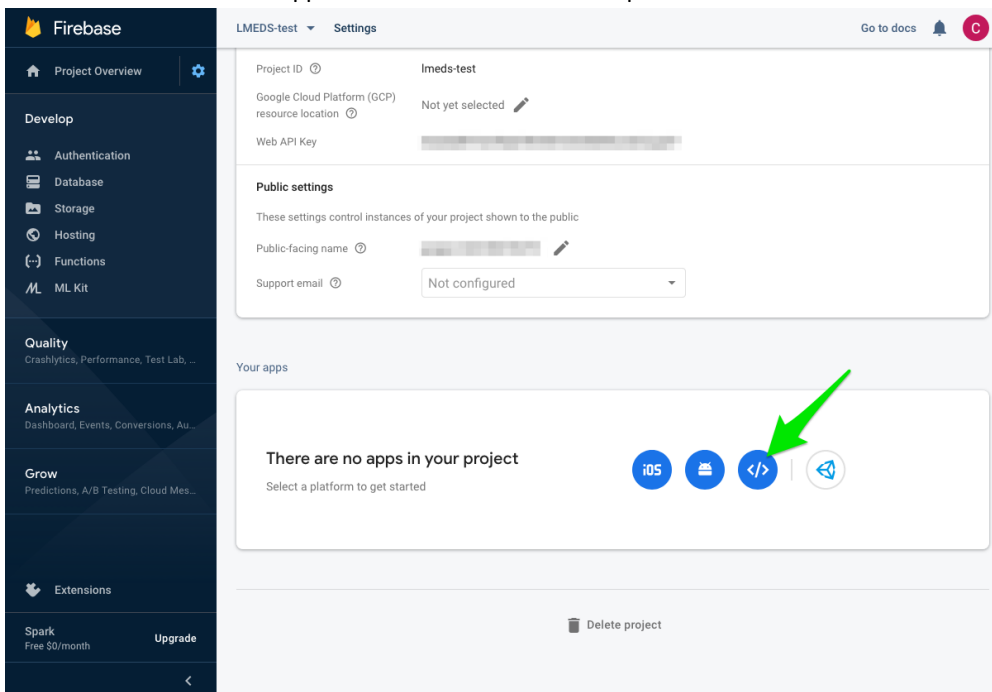
9. Select the “Data” tab. Click the “+” icon to add a child node to the main database. Then enter a key of “test” and a value of “1”. Click the “add” button. (Note: This is just dummy data to force the database to persist. Without this, Firebase will reset all database settings when you leave the page).



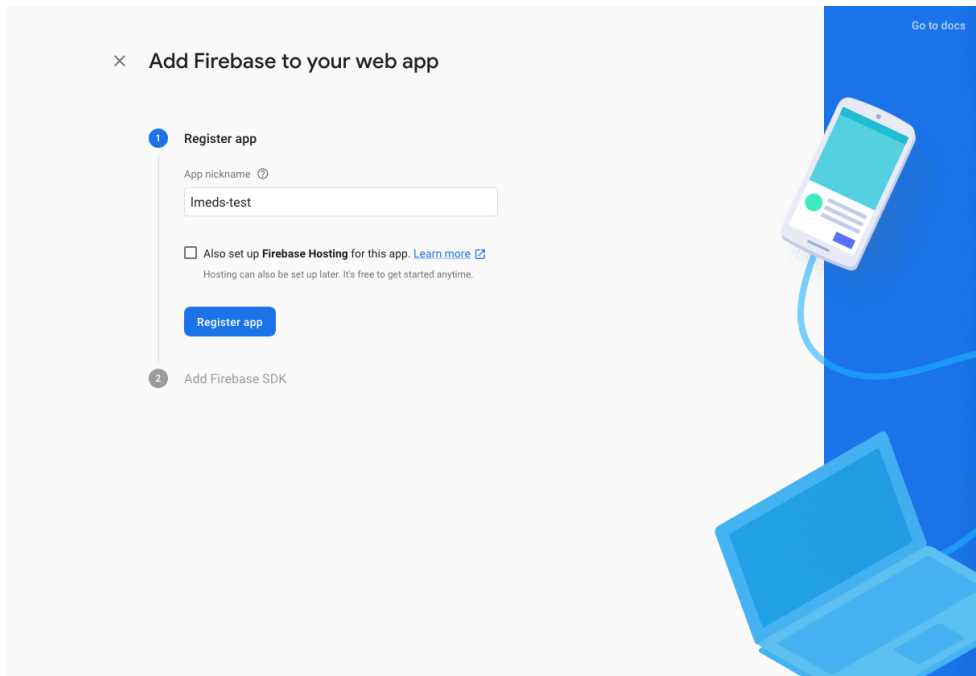
10. On the left navigation menu, click the gear icon near the top and select “Project Settings”.



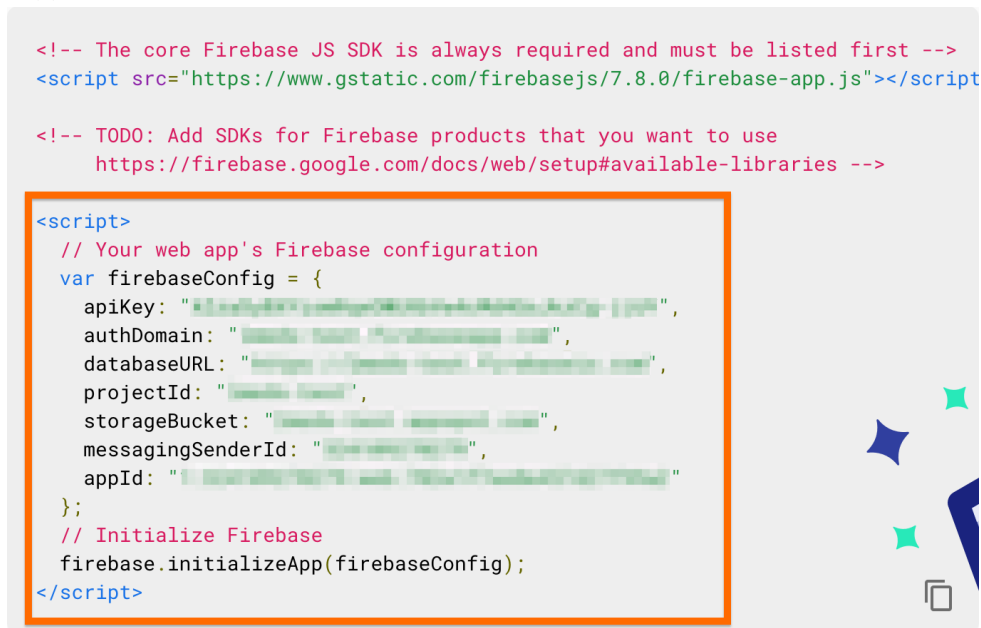
11. Scroll down to the “Your Apps” section and click the web platform icon.



12. Enter a name in the “app nickname” text input box. Click “Register app”.



13. Copy the indicated code indicated in the screenshot below.



14. Open LMEDS2/index.html in a text editor. Replace lines 76 through 87 with the code copied from Firebase in the previous step.

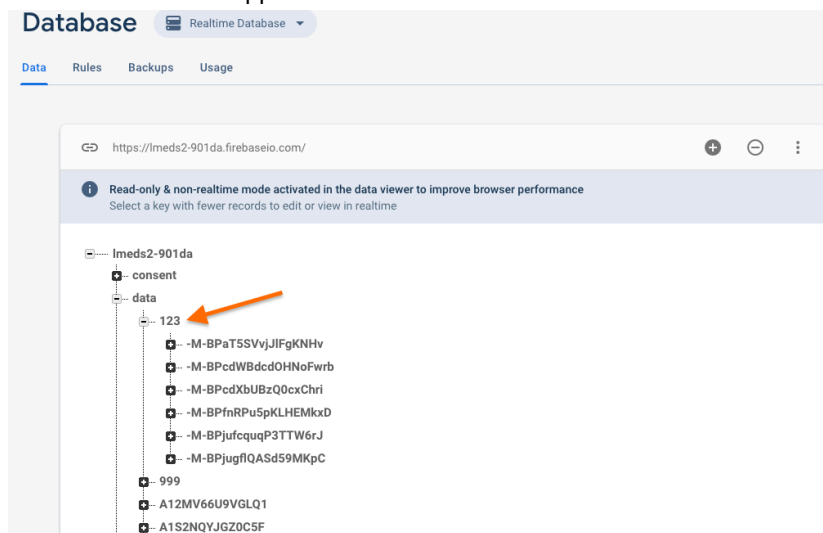
```

64 <script type="text/javascript" src="js/vendor/angular-block-ui.min.js"></script>
65
66 <!-- angular fire -->
67 <script type="text/javascript" src="https://cdn.firebase.com/libs/angularfire/2.3.0/angularfire.min.js"></script>
68
69 <!-- soundjs and preloadjs -->
70 <!--<script type="text/javascript" src="js/vendor/soundjs.js"></script-->
71 <script type="text/javascript" src="https://cdnjs.cloudflare.com/ajax/libs/SoundJS/1.0.1/soundjs.js"></script>
72 <script type="text/javascript" src="https://cdnjs.cloudflare.com/ajax/libs/PreloadJS/1.0.1/preloadjs.min.js"></script>
73
74 <!-- firebase -->
75 <script src="https://www.gstatic.com/firebasejs/4.12.0/firebase.js"></script>
76
77 <script>
78 // Initialize Firebase
79 var config = {
80   apiKey: "REPLACE_THIS_WITH_YOUR_FIREBASE_ACCOUNT_API_KEY",
81   authDomain: "REPLACE_THIS_WITH_YOUR_FIREBASE_ACCOUNT_AUTH_DOMAIN",
82   databaseURL: "REPLACE_THIS_WITH_YOUR_FIREBASE_DATABASE_URL",
83   projectId: "REPLACE_THIS_WITH_YOUR_FIREBASE_ACCOUNT_PROJECT_ID",
84   storageBucket: "REPLACE_THIS_WITH_YOUR_FIREBASE_ACCOUNT_STORAGE_BUCKET",
85   messagingSenderId: "REPLACE_THIS_WITH_YOUR_FIREBASE_MESSENGER_SENDER_ID"
86 };
87 firebase.initializeApp(config);
88 </script>
89
90 <!-- IE10 viewport hack for Surface/desktop Windows 8 bug -->
91 <script>
92 (function () {
93   'use strict';
94
95   if (navigator.userAgent.match(/IEMobile\/10\.0/)) {
96     var msViewportStyle = document.createElement('style')
97     msViewportStyle.appendChild(
98       document.createTextNode(
99         '@-ms-viewport{width:auto!important}'
100       )
101     );
102     document.querySelector('head').appendChild(msViewportStyle)
103   }
104 })();
105 </script>
106

```

15. NU-LMEDS should now be set up to save data to Firebase. You may test by launching a locally hosted version of NU-LMEDS on your computer and running the experiment.

- Launch terminal, powershell or command window
- `cd /path/to/nu-lmeds/`
- `python3 -m http.server` (or just `python -m http.server`, if you already have python 3 installed)
- Launch a browser. Enter <http://localhost:8000/#!/?workerId=123&assignmentId=1> into the address bar (Note the dummy workerId and assignmentId that's manually added to the URL for testing purposes. When running this in MTurk, the workerId and assignmentId are added automatically)
- Run through the web experiment
- You should see data appear in the data tab in Firebase



- See the screenshot below for deleting and exporting the database. Exported data is saved in JSON format (<https://www.json.org/json-en.html>).

