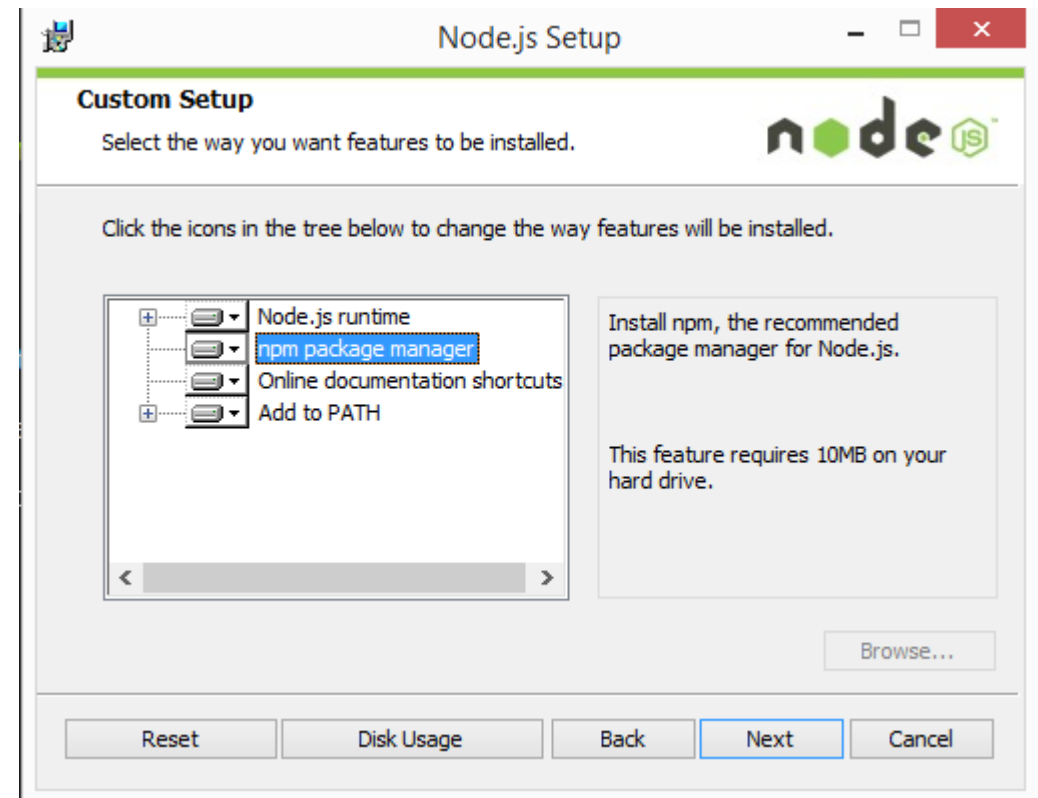


Introduction to Firebase

Installation Steps

1. **Download the Windows installer from the [Nodes.js® web site](https://nodejs.org/en/download/).**
2. **Run the installer** (the .msi file you downloaded in the previous step.)
3. **Follow the prompts in the installer** (Accept the license agreement, click
4. the NEXT button a bunch of times and accept the default installation settings).

1. Restart your computer. You won't be able to run Node.js® until you restart your computer.



Test it!

- Test Node.**

- type node -v in Terminal

- Test NPM.**

- To see if NPM is installed, type npm -v in Terminal.

Select Windows PowerShell

```
C:\Users\Dave\Documents> node -v
v0.10.35
C:\Users\Dave\Documents> npm -v
1.4.28
C:\Users\Dave\Documents> node hello.js
Node is installed!
C:\Users\Dave\Documents> _
```



You will need a google account – 1 per group?

<https://console.firebase.google.com>

Login using your gmail id and password

Create a project

×

Project name

My awesome project

Country/region ?

United States

By default, your Firebase Analytics data will enhance other Firebase features and Google products. You can control how your Firebase Analytics data is shared in your settings at anytime. [Learn more](#)

CANCEL

CREATE PROJECT

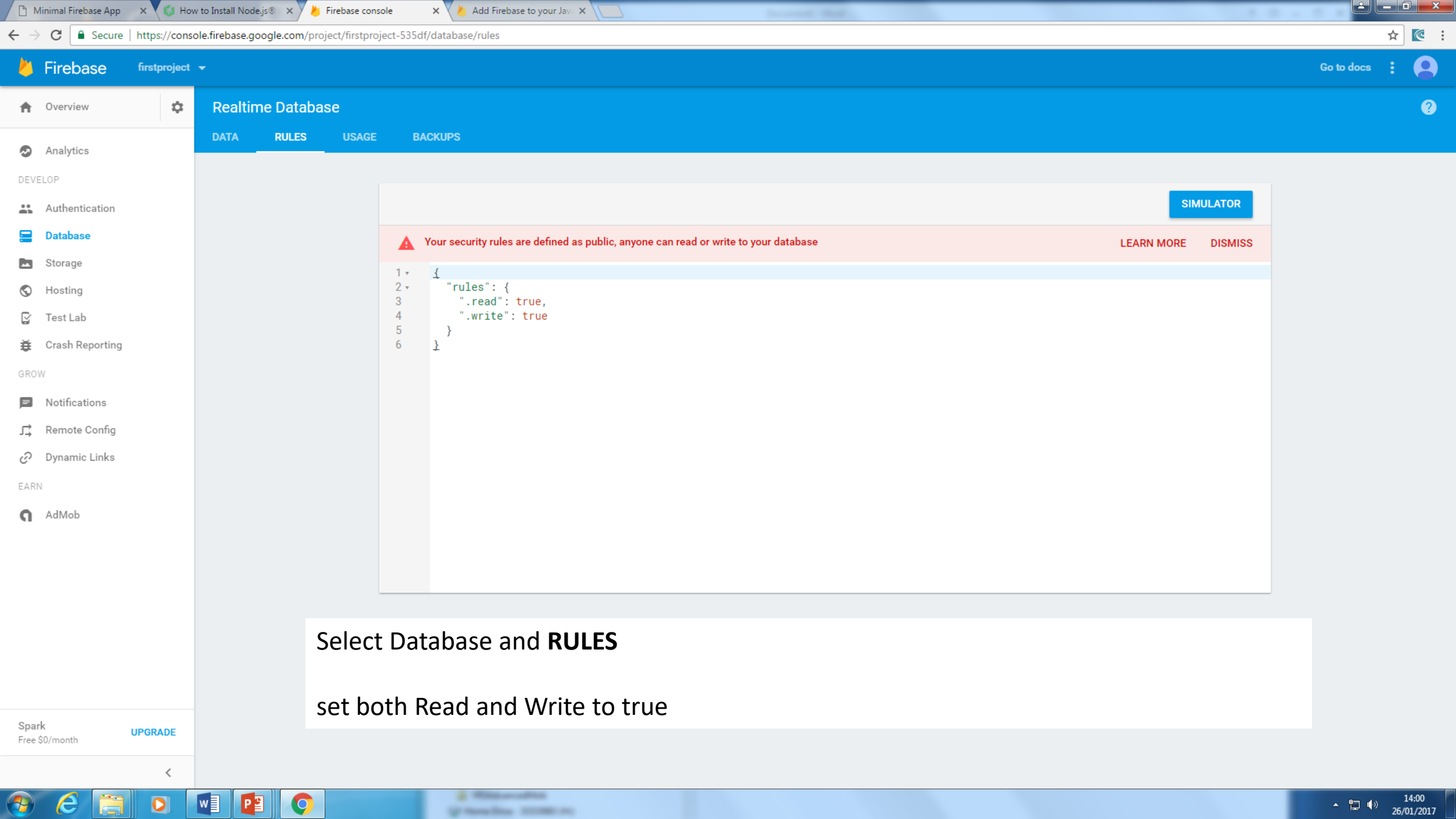
Select Create a new project – assign a project name and choose Uk as Region – click Create Project.

- Overview
- Analytics
- DEVELOP
- Authentication
- Database
- Storage
- Hosting
- Test Lab
- Crash Reporting
- GROW
- Notifications
- Remote Config
- Dynamic Links
- EARN
- AdMob
- Spark
Free \$0/month
- UPGRADE

Realtime Database

DATA RULES USAGE BACKUPS

<https://firstproject-7bf12.firebaseio.com/>



SIMULATOR

Your security rules are defined as public, anyone can read or write to your database

LEARN MOREDISMISS

1 {

2 "rules": {

3 ".read": true,

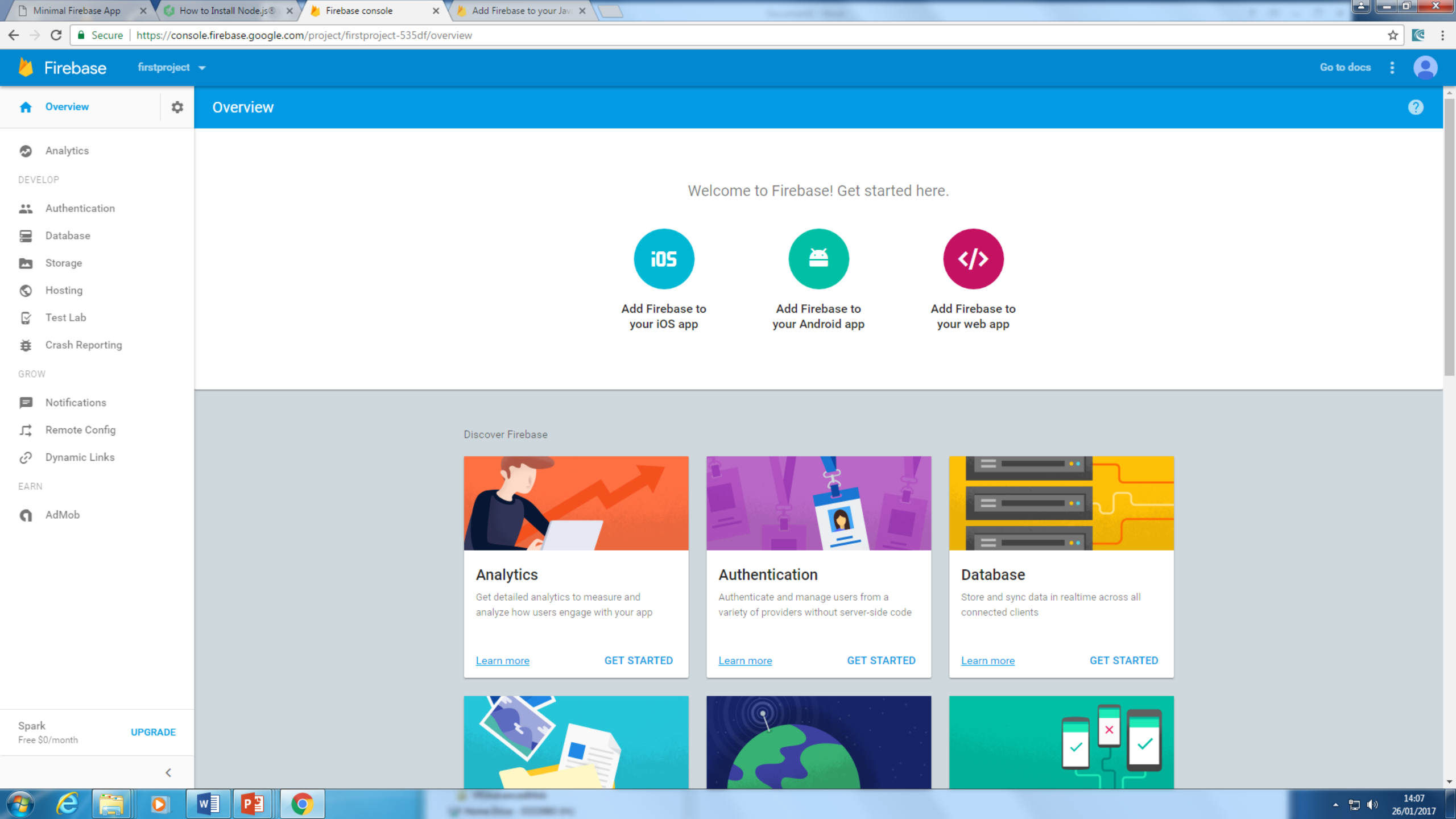
4 ".write": true

5 }

6 }

Select Database and **RULES**

set both Read and Write to true



- Analytics
- DEVELOP
 - Authentication
 - Database
 - Storage
 - Hosting
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 - Notifications
 - Remote Config
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 - AdMob

Welcome to Firebase! Get started here.



Add Firebase to your iOS app



Add Firebase to your Android app



Add Firebase to your web app

Discover Firebase



Analytics

Get detailed analytics to measure and analyze how users engage with your app

[Learn more](#)

GET STARTED

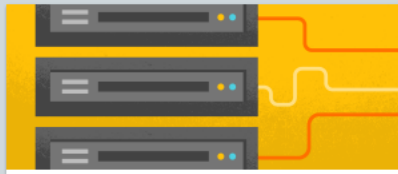


Authentication

Authenticate and manage users from a variety of providers without server-side code

[Learn more](#)

GET STARTED

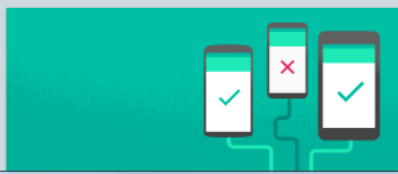
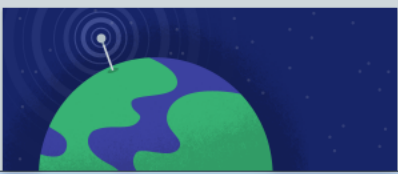
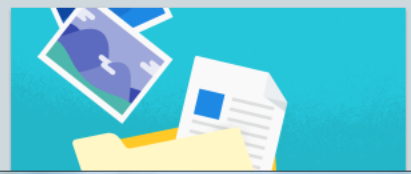


Database

Store and sync data in realtime across all connected clients

[Learn more](#)

GET STARTED



Spark
Free \$0/month

UPGRADE

Welcome to Firebase! Get started here.

Add Firebase to your web app



Copy and paste the snippet below at the bottom of your HTML, before other `script` tags.

```
<script src="https://www.gstatic.com/firebasejs/3.6.7/firebase.js"></script>
<script>
  // Initialize Firebase
  var config = {
    apiKey: "AIzaSyCe10U1D1KXkotMYAEe-W-5PQTP5j00RY0",
    authDomain: "firstproject-535df.firebaseio.com",
    databaseURL: "https://firstproject-535df.firebaseio.com",
    storageBucket: "firstproject-535df.appspot.com",
    messagingSenderId: "547915656582"
  };
  firebase.initializeApp(config);
</script>
```

COPY

Check these resources to learn more about Firebase for web apps:

[Get Started with Firebase for Web Apps](#)

[Firebase Web SDK API Reference](#)

[Firebase Web Samples](#)

Spark
Free \$0/month

UPGRADE



```
<script src="https://www.gstatic.com/firebasejs/3.6.7/firebase.js"></script>
<script>
  // Initialize Firebase
  var config = {
    apiKey: "AlzaSyCe1OUIDIKXkotMYAEe-W-5PQTP5j0ORY0",
    authDomain: "firstproject-535df.firebaseio.com",
    databaseURL: "https://firstproject-535df.firebaseio.com",
    storageBucket: "firstproject-535df.appspot.com",
    messagingSenderId: "547915656582"
  };
  firebase.initializeApp(config);
</script>
```

```
<!doctype html><head>
```

```
<script src="https://www.gstatic.com/firebasejs/3.6.3/firebase.js"></script>
```

```
</head>
```

```
<body></body>
```

```
<script>
```

```
// Initialize Firebase
```

```
var config = {  apiKey: "AlzaSyCe1OUIDIKXkotMYAEe-W-5PQTP5j0ORY0",  authDomain:  
"firstproject-535df.firebaseio.com",
```

```
databaseURL: "https://firstproject-535df.firebaseio.com",
```

```
storageBucket: "firstproject-535df.appspot.com",
```

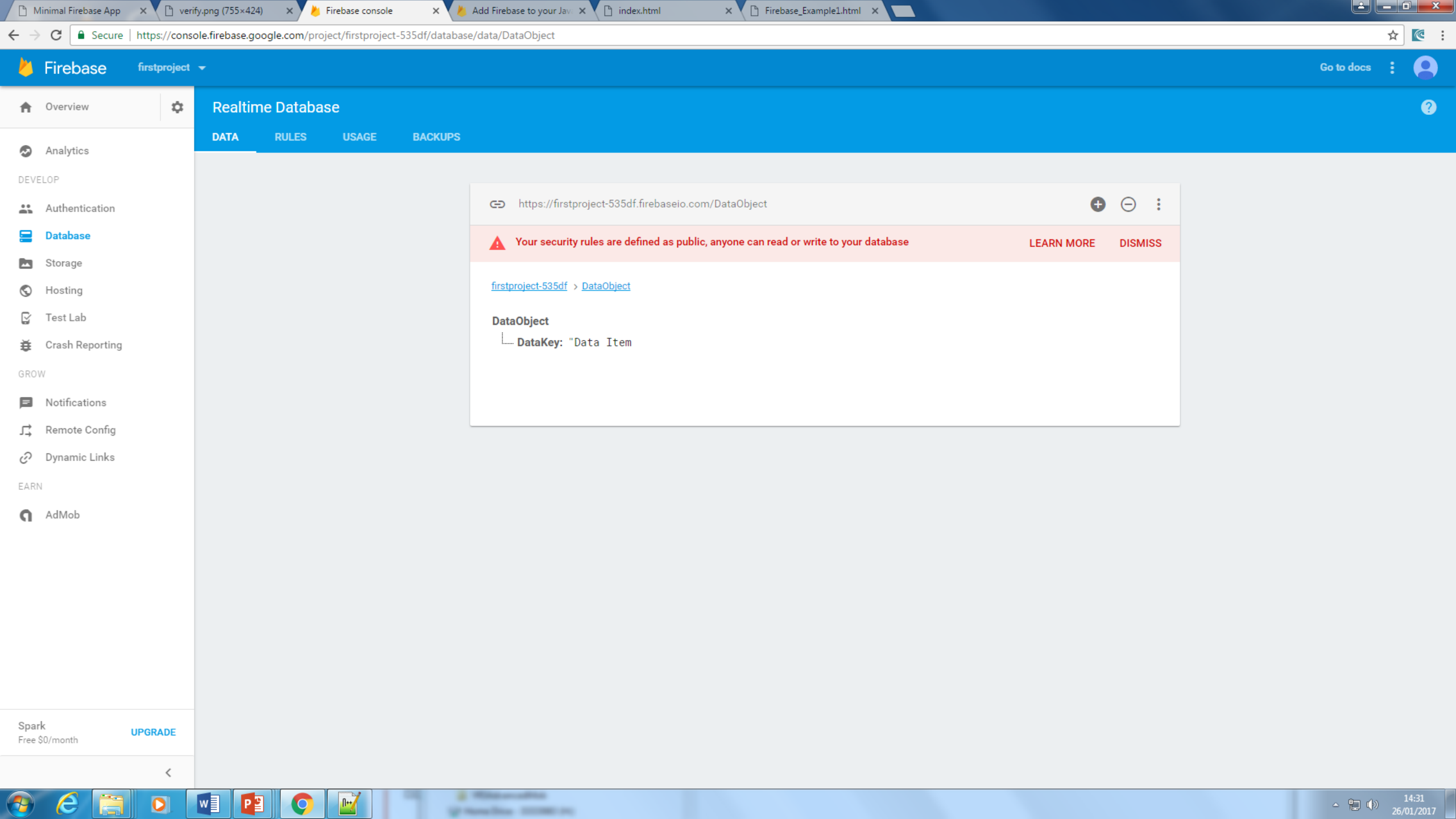
```
messagingSenderId: "547915656582"  };
```

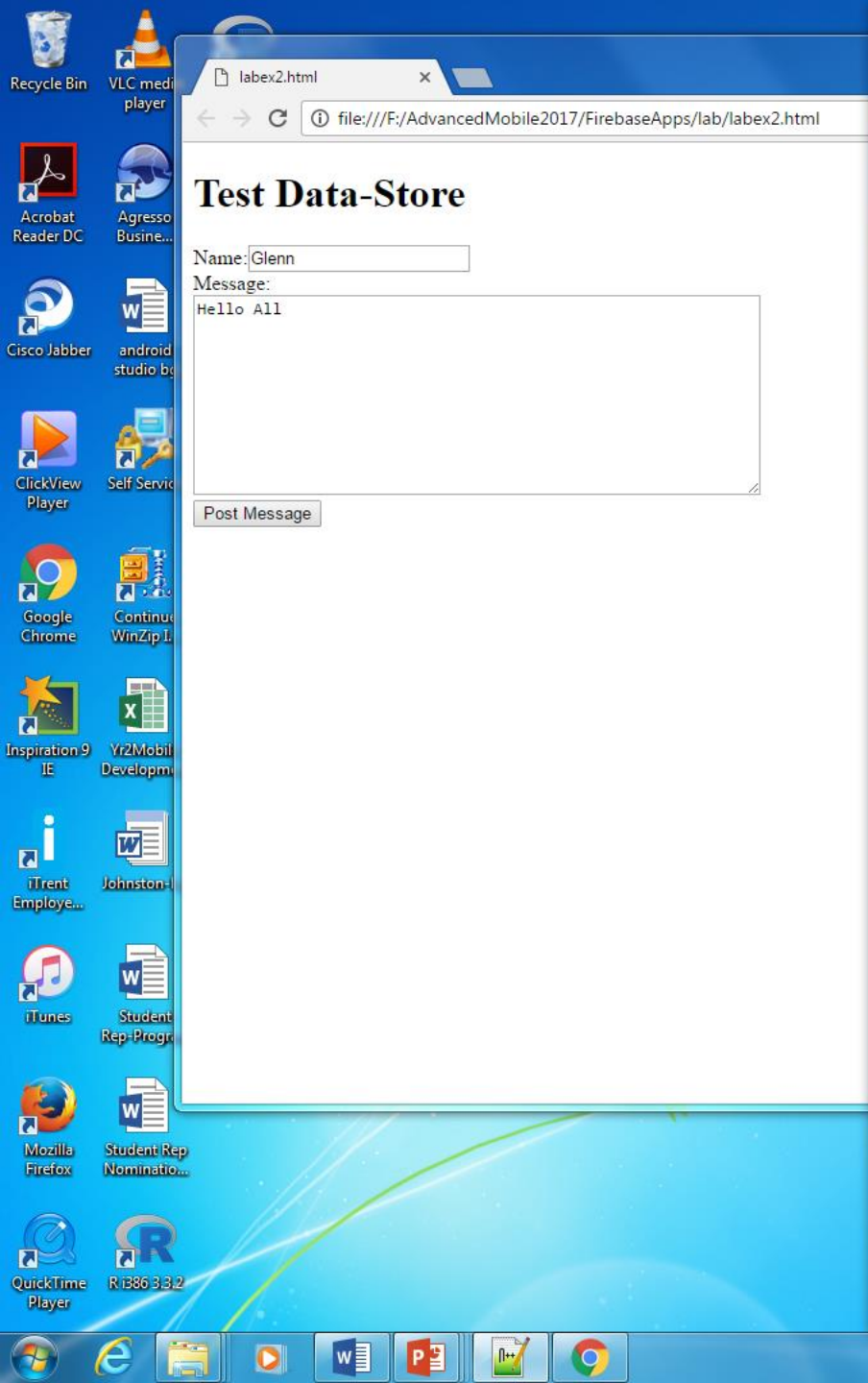
```
firebase.initializeApp(config);
```

```
firebase.database().ref().set({"DataObject": {  "DataKey": "Data Item",  }});
```

```
</script>
```

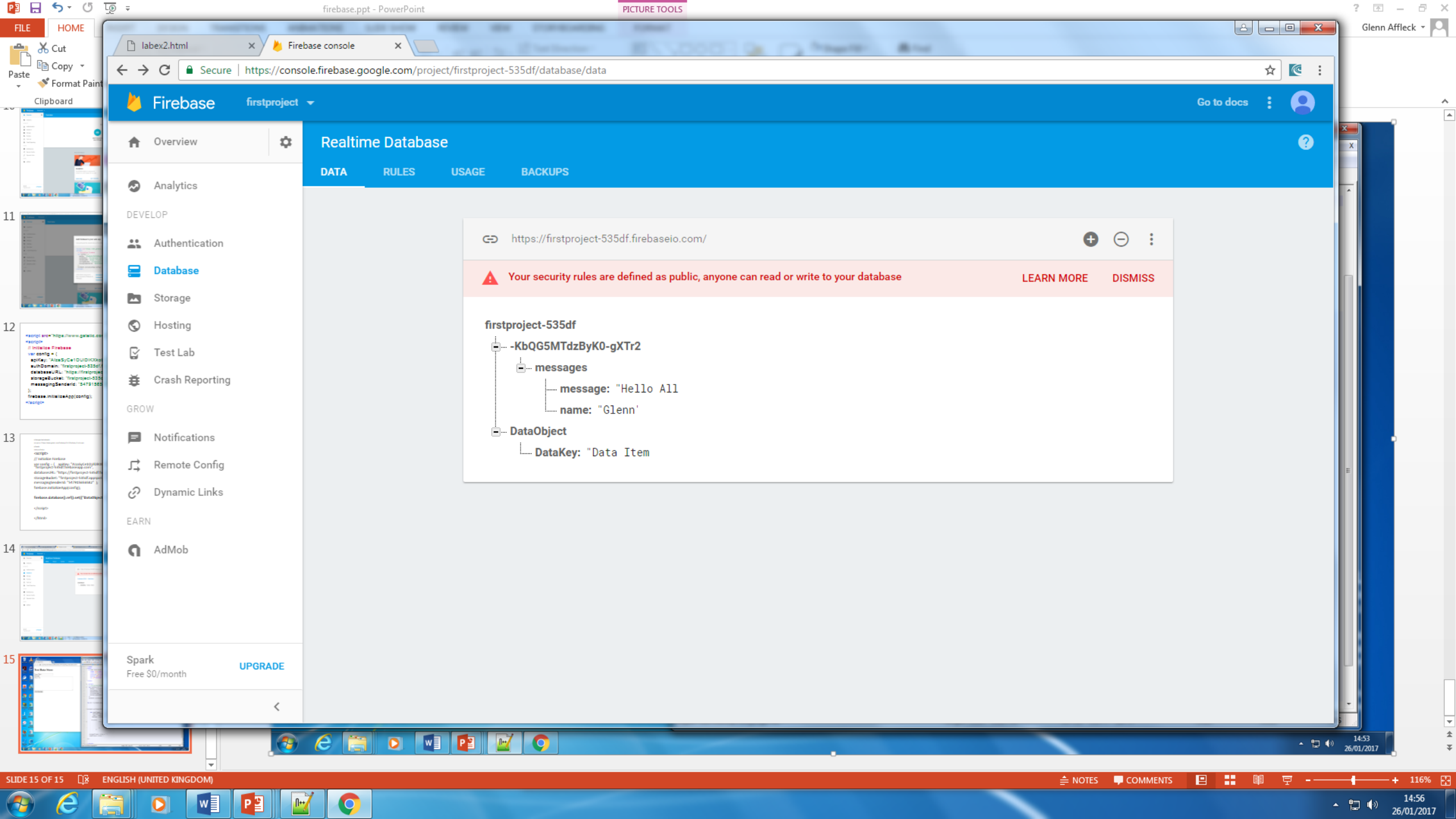
```
</html>
```





```
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
ajaxexample2.html ajax.js lab2-2.html Firebase_Example1.html minimal-fb.html labex2.html
11 </head>
12 <body>
13 <h1>Test Data-Store</h1>
14 <label for="name">Name:</label><input type="text" id="name"/><br/>
15 <label for="message">Message:</label><br/>
16 <textarea id="message" cols="60" rows="10"/><br/>
17 <button id="post">Post Message</button><br/>
18 <ul id="messages"></ul>
19
20 </body>
21
22 <script>
23 // Initialize Firebase
24 var config = {
25   apiKey: "AIzaSyCe1OULd1KXkotMYAEe-W-5PQTP5j0ORY0",
26   authDomain: "firstproject-535df.firebaseio.com",
27   databaseURL: "https://firstproject-535df.firebaseio.com",
28   storageBucket: "firstproject-535df.appspot.com",
29   messagingSenderId: "547915656582"
30 };
31 firebase.initializeApp(config);
32
33
34 var fb = firebase.database().ref();
35
36
37
38 document.getElementById('post').addEventListener('click', function(){
39
40   var nameElement = document.getElementById('name'),
41       messageElement = document.getElementById('message'),
42       name = nameElement.value,
43       message = messageElement.value;
44
45   fb.push(
46     { "messages": {
47       "name": name,
48       "message": message,
49     }
50   });
51
52   messageElement.value = "";
53   nameElement.value = "";
54
55 });
56
57
58
59
60 </script>
```

Hyper Text Markup Language file length: 1355 lines: 63 Ln: 12 Col: 7 Sel: 0 UNIX ANSI INS



```
<body>
<h1>Test Data-Store</h1>
<label for="name">Name:</label>
<input type="text" id="name"/><br/>
<label for="message">Message:</label><br/>
<textarea id="message" cols="60" rows="10"></textarea><br/>
<button id="post">Post Message</button><br/>
<ul id="messages"></ul>
</body>
```



```
<script>
```

```
// Initialize Firebase
```

```
var config = {  apiKey: "AlzaSyCe1OUIDIKXkotMYAEe-W-5PQTP5j0ORY0",  
authDomain: "firstproject-535df.firebaseio.com",  
databaseURL: "https://firstproject-535df.firebaseio.com",  
storageBucket: "firstproject-535df.appspot.com",  
messagingSenderId: "547915656582"  };
```

```
firebase.initializeApp(config);
```

```
var fb = firebase.database().ref();
```

```
document.getElementById('post').addEventListener('click', function()
{

var nameElement = document.getElementById('name'),
messageElement = document.getElementById('message'),
name = nameElement.value,
message = messageElement.value;

fb.push({"messages": {"name": name,          "message": message,
                    }});

messageElement.value = "";
nameElement.value="";
});
</script>
</html>
```

