

FireBase Integration

Brain Mentors Pvt Ltd

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Why Firebase
Deploy + Cloud DB + Auth
It is NoSQL DB. Document
Based Database —>
JSON
It doesn't have table,
records, columns.
Popular

realtime DB , Based on
Web Sockets
Provided by Google
Good for Development

Step - 1 go to firebase
[https://
console.firebase.google.co
m](https://console.firebase.google.com)

Step - 2 Add a New Project

Step - 3 Choose Add
Firebase to Web App

Step - 4 Copy the Script in
some js

Step - 5 Also add the

following Script

```
<script src="https://  
www.gstatic.com/  
firebasejs/5.0.4/  
firebase.js"></script>
```

Note: 1. / we send this

1. ['hello', 'world']

2. // Firebase databases store this

3. {0: 'hello', 1: 'world'}

To add the Record

```
var promise =  
firebase.database().ref('us  
ers/'+userObject.userid).se  
t(userObject))
```

Here users is a main key
and userObject.userid is a
sub key inside it add a
userObject
.set(obj) will push/add the
object

**To Search a user by
userid**

```
function search(id){  
var pr = new  
Promise((resolve,  
reject)=>{  
var users  
=firebase.database().ref('u  
sers/'+userid);
```

```
users.on('value',function(sna
pshot){
    var obj =
snapshot.val();
resolve(obj);
    console.log("Search
_____ ",obj);
    });
})
return pr;
}
```

```
// Controller
var pr = search(1001);
```

```
pr.then(data=>{}).catch(err  
=>{});
```

To Get All Users

Bad Approach

```
var users =  
firebase.database().ref('user  
s');
```

```
users.on('value',function(sn  
apshot){  
    var obj =  
snapshot.val();  
    console.log("fetch _____  
",obj);
```

```
        console.log("Type of  
",obj);  
        for(let key in obj){  
            console.log(key, " ",  
obj[key]);  
        }  
    });
```

Good Approach

The `child_added` event is typically used when retrieving a list of items from the database. Unlike `value` which returns the entire contents of the location, `child_added` is triggered once for each existing child and then again every time a new child is added to the

specified path.

```
var prodRef =  
firebase.database().ref('produc  
ts');  
    prodRef.on("child_added",  
(snapshot)=>{  
        console.log("Snap Shot  
is ",snapshot.val());  
    })
```

To Update the User

```
var user =  
firebase.database().ref('us  
ers/'+userid);  
  
users.on('value',function(sna
```



```
pshot){  
    var obj =  
    snapshot.val();  
    console.log("Search  
_____ ",obj);  
    // Print the object on text  
    boxes  
  
});
```

Update is same as add
call the set method so it
will replace the existing
user key with new values

To Delete the User

```
var users =
```

```
firebase.database().ref('users/' + userid);  
    users.remove();
```

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