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EXP 7 Firebase

Basic CRUD Operations

Code:

Index.html

<!DOCTYPE html>

<html>

<head>

<script src="https://www.gstatic.com/firebasejs/7.24.0/firebase-app.js"></script>

<script src="https://www.gstatic.com/firebasejs/7.24.0/firebase-firestore.js"></script>

<script src="https://www.gstatic.com/firebasejs/7.24.0/firebase-analytics.js"></script>

    <meta charset='utf-8'>

    <meta http-equiv='X-UA-Compatible' content='IE=edge'>

    <title>Index page</title>

<meta name='viewport' content='width=device-width, initial-scale=10'>

<link rel='stylesheet' type='text/css' media='screen' href='main.css'>

</head>

<body>

    <center>

    <h1>Player Data</h1>

    <div class='content'>

        <h2>Add</h2>

        <form id="P-form">

            <input type="text" name="P\_Name" placeholder="Player Name">

            <input type="text" name="number" placeholder="Player Number">

            <input type="text" name="Position" placeholder="Playing Position">

            <input type="text" name="Club" placeholder="Player Club">

            <input type="text" name="Nation" placeholder="Player Nation">

            <button id="b1">Add Player</button>

        </form>

        <h3>Update</h3>

        <form id="P-form1" >

            <input type="text" name="P\_Name" placeholder="Player Name">

            <button id="b2">Select Player</button>

            <div  id='div1' style='display: none;'>

                <input type="text" name="number" placeholder="Player Number">

                    <input type="text" name="Position" placeholder="Playing Position">

                    <input type="text" name="Club" placeholder="Player Club">

                    <input type="text" name="Nation" placeholder="Player Nation">

                    <button id='b3'>update player</button>

            </div>

        </form>

        <ul id="Player-List"></ul>

    </div>

    </center>

<script>

  // Your web app's Firebase configuration

  // For Firebase JS SDK v7.20.0 and later, measurementId is optional

  var firebaseConfig = {

    apiKey: "AIzaSyDC0gSxiYULW3\_negGRBbn44cqtWfXIOdQ",

    authDomain: "adsexp7-5904e.firebaseapp.com",

    databaseURL: "https://adsexp7-5904e.firebaseio.com",

    projectId: "adsexp7-5904e",

    storageBucket: "adsexp7-5904e.appspot.com",

    messagingSenderId: "187189277615",

    appId: "1:187189277615:web:06bf18f39cfea36a34755a",

    measurementId: "G-K4H6F2MX0Y"

  };

   //<link rel='stylesheet' type='text/css' media='screen' href='main.css'>

  // Initialize Firebase

  firebase.initializeApp(firebaseConfig);

  firebase.analytics();

  const db= firebase.firestore();

  db.settings({ timestampsInSnapshots: true });

</script>

    <script src='app.js'></script>

</body>

</html>

Webapp.js

const list = document.querySelector('#Player-List');

const form= document.querySelector('#P-form');

const form2=document.querySelector('#P-form1');

const b1=document.querySelector('#b1');

const b2=document.querySelector('#b2');

const div1=document.querySelector('#div1');

let z;

//create and render players for each data

function renderPlayer(doc)

{

    let li=document.createElement('li');

    let P\_Name= document.createElement('span');

    let number= document.createElement('span');

    let Position=document.createElement('span');

    let Club=document.createElement('span');

    let Nation=document.createElement('span');

    let cross= document.createElement('p');

    cross.className='cross';

    li.setAttribute('data-id', doc.id);

    P\_Name.textContent= doc.data().P\_Name;

    number.textContent= doc.data().number;

    Position.textContent= doc.data().Position;

    Club.textContent=doc.data().Club ;

    Nation.textContent=doc.data().Nation ;

    cross.textContent = 'x' ;

    li.appendChild(P\_Name);

    li.appendChild(number);

    li.appendChild(Position);

    li.appendChild(Club);

    li.appendChild(Nation);

    li.appendChild(cross);

    list.appendChild(li);

    //deletion

    cross.addEventListener('click',(e) =>{

    e.stopPropagation();

    let del\_id = e.target.parentElement.getAttribute('data-id');

    db.collection('Players').doc(del\_id).delete();

    })

}

db.collection('Players').get().then((snapshot) =>     //.where('Nation' ,'==', 'Argentina')

{

    snapshot.docs.forEach(doc => {

        //console.log(doc.data())

        renderPlayer(doc);

    })

});

//saving newly added data

b1.addEventListener('click',(e)  =>{

    e.preventDefault();

    //console.log(form.P\_Name.value);

    db.collection('Players').add({

        P\_Name: form.P\_Name.value,

        number: form.number.value,

        Position: form.Position.value,

        Club: form.Club.value,

        Nation: form.Nation.value

       /\*

       P\_Name: form.elements['P\_Name'].value,

       Age: form.elements['Age'].value,

       Position: form.elements['Position'].value,

       Club: form.elements['Club'].value,

   Nation: form.elements['Nation'].value

\*/

    });

})

    b2.addEventListener('click',(e)  =>{

      // console.log(form.elements['P\_Name'].value);

        e.preventDefault();

        div1.style.display='block';

        // z=form2.P\_Name.value;

        // console.log(document.forms['xyz'][P\_Name.value]);

        /\* P\_Name: form.elements['P\_Name'].value,

            Age: form.elements['Age'].value,

            Position: form.elements['Position'].value,

            Club: form.elements['Club'].value,

        Nation: form.elements['Nation'].value

        });

        \*/

})

b3.addEventListener('click',(e) =>

{

    e.preventDefault();

   //const id1 = db.collection('Players').where('P\_Name','==',z).id;

  //console.log(form2.Age.value);

   db.collection('Players').doc('CwzP6vb8y0XAaHji3lX4').update

   ({

   // P\_Name: form.P\_Name.value,

    number:  form2.number.value,

    Position: form2.Position.value,

    Club: form2.Club.value,

    Nation: form2.Nation.value

});

})

Main.css

@import url(https://fonts.googleapis.com/css?family=Roboto:400,300,600,400italic);

\* {

  margin: 5px;

  padding: 5px;

  box-sizing: border-box;

  -webkit-box-sizing: border-box;

  -moz-box-sizing: border-box;

  -webkit-font-smoothing: antialiased;

  -moz-font-smoothing: antialiased;

  -o-font-smoothing: antialiased;

  font-smoothing: antialiased;

  text-rendering: optimizeLegibility;

}

body {

  font-family: "Roboto", Helvetica, Arial, sans-serif;

  font-weight: 100;

  font-size: 40px;

}

h1{

  margin: 20px;

  color:blue;}

  button{

    padding:3px;

    border-radius:5px;

    background-color: yellow;

    }

    li{

      font-size: 20px;

      margin: 20px;

    }

.cross{

display:inline;

padding:10px;

margin: 5px;

border-radius:6px;

background-color: black;

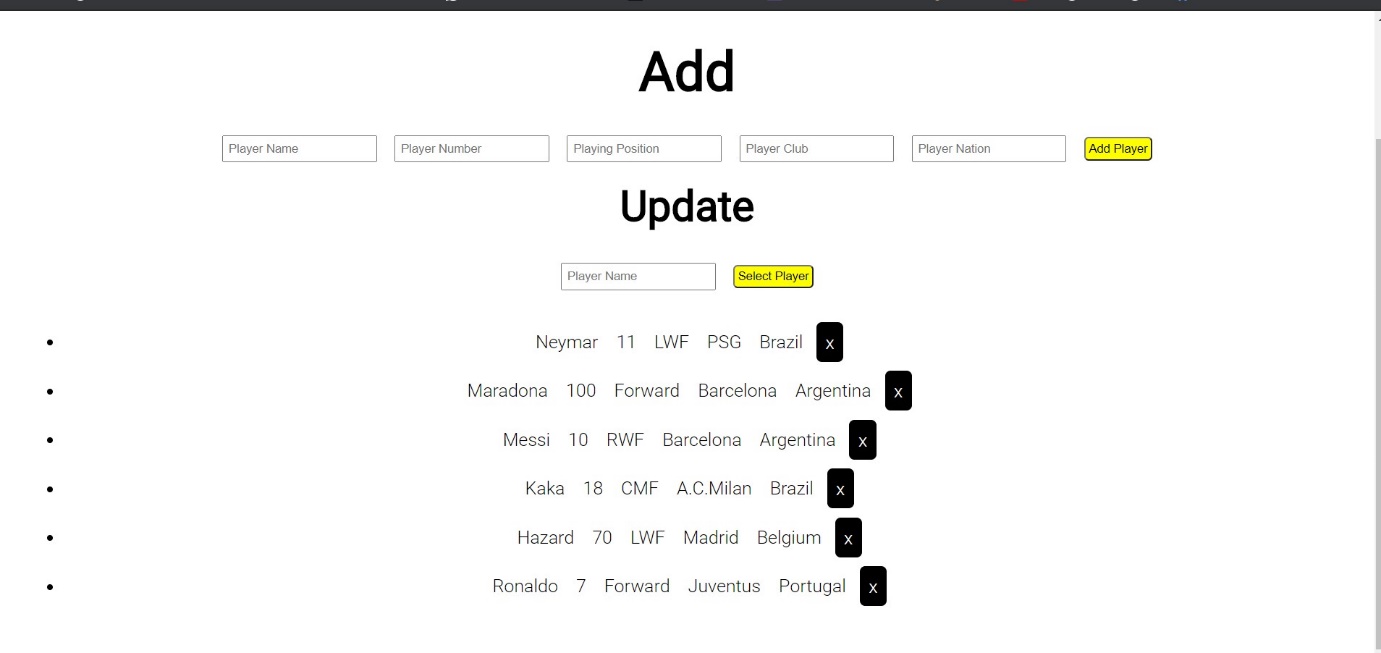
color :white;

cursor: pointer;

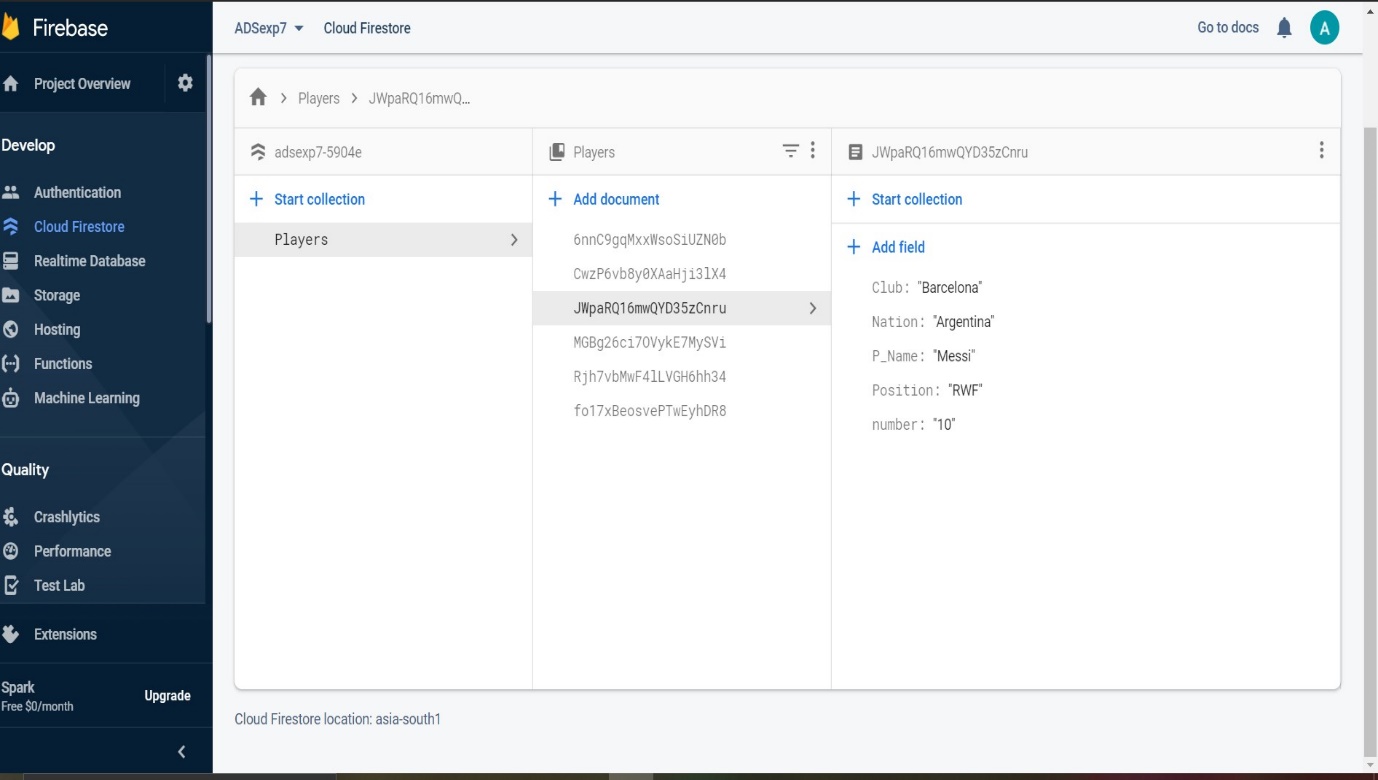
}

1. Displaying the current schema

a.



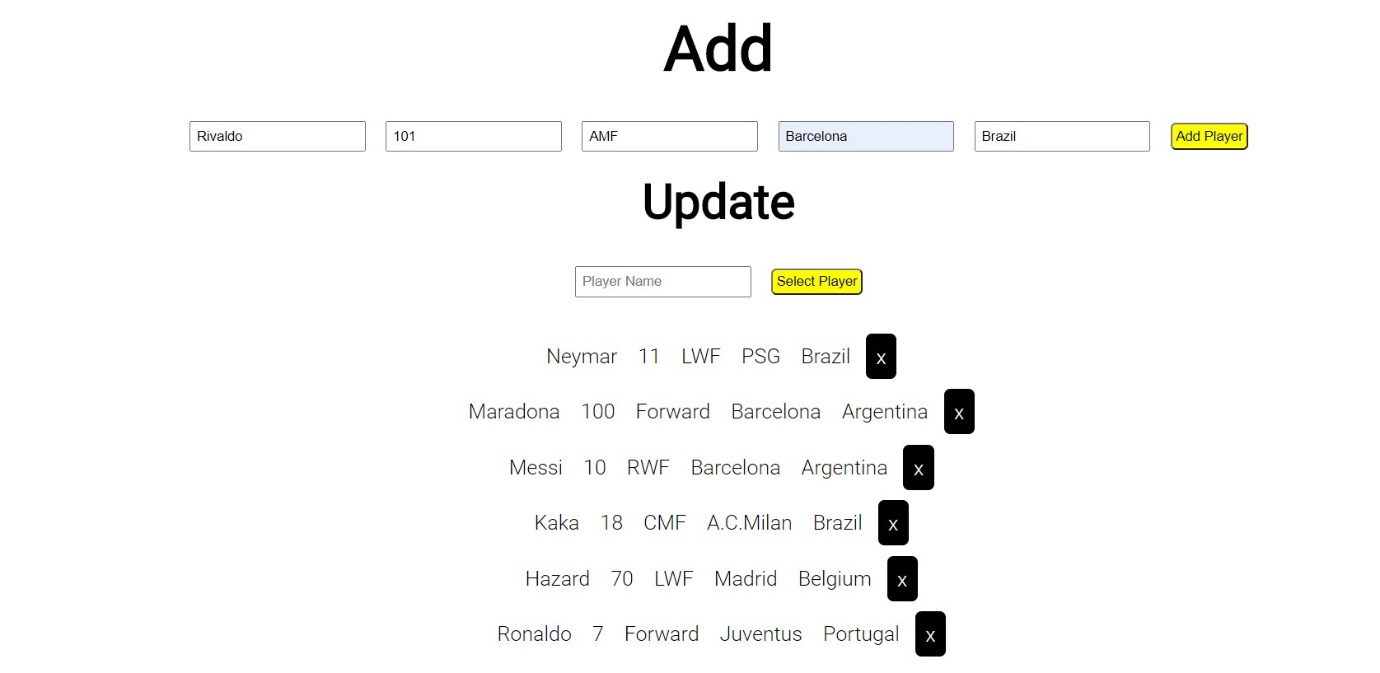
b.



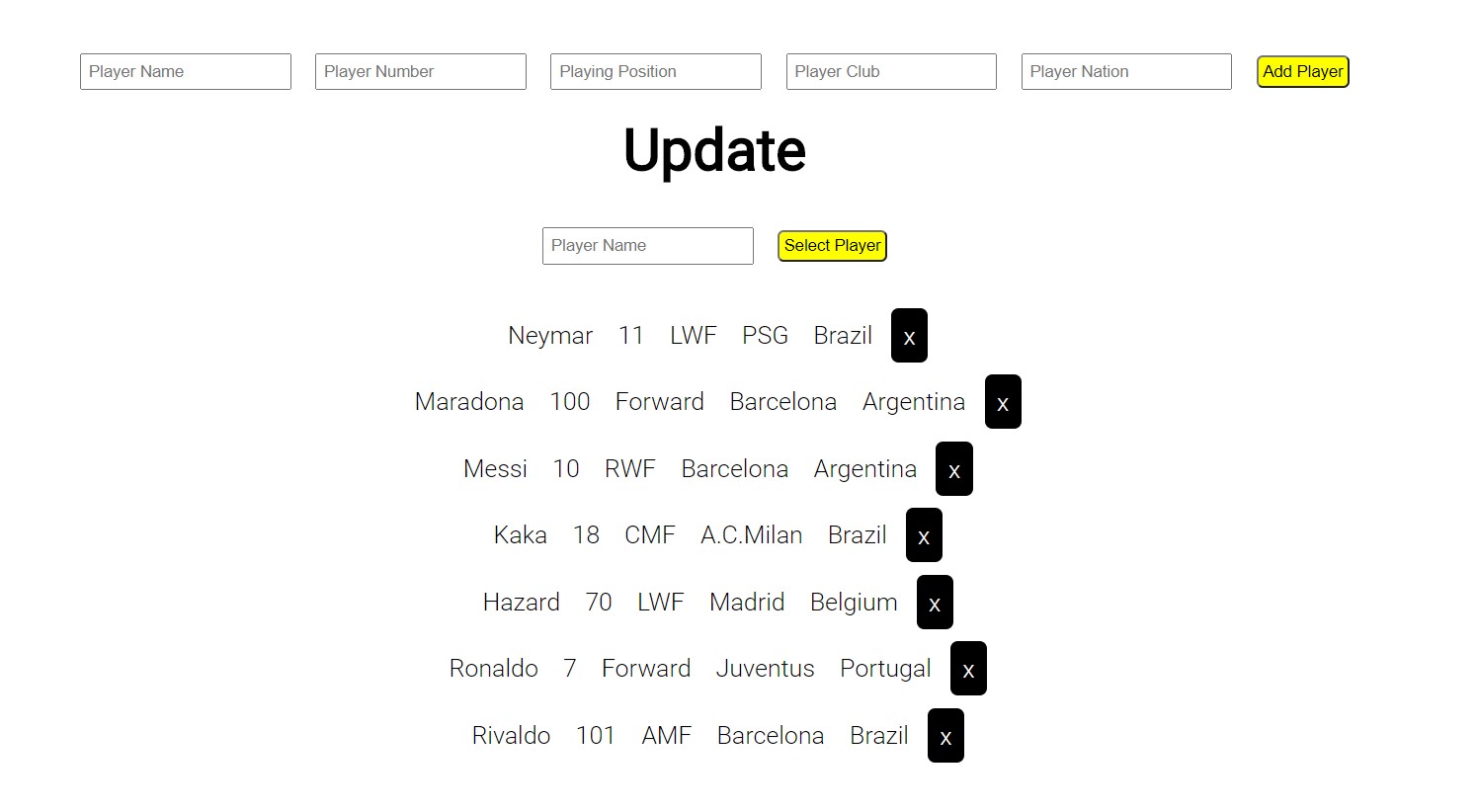
1. Adding to the Schema

Adding Rivaldo

a.

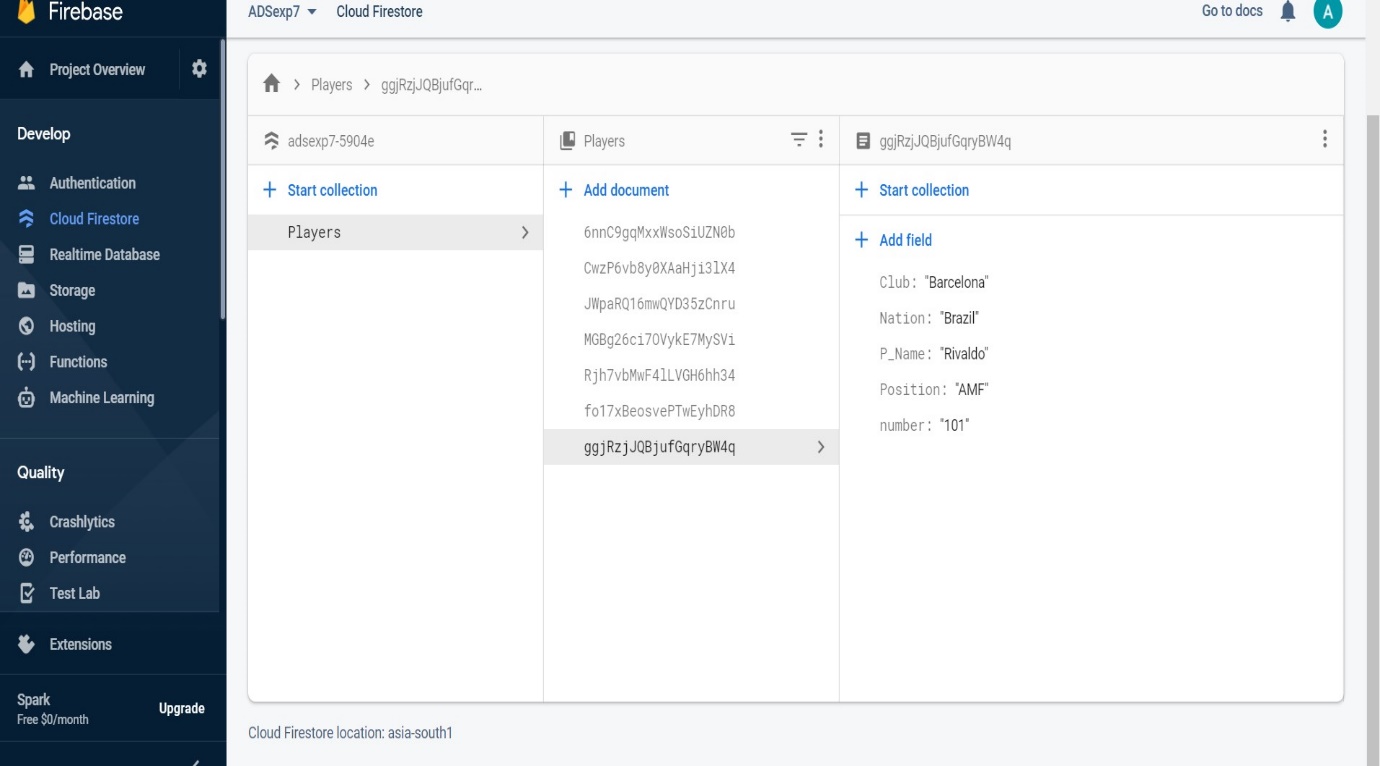


b.



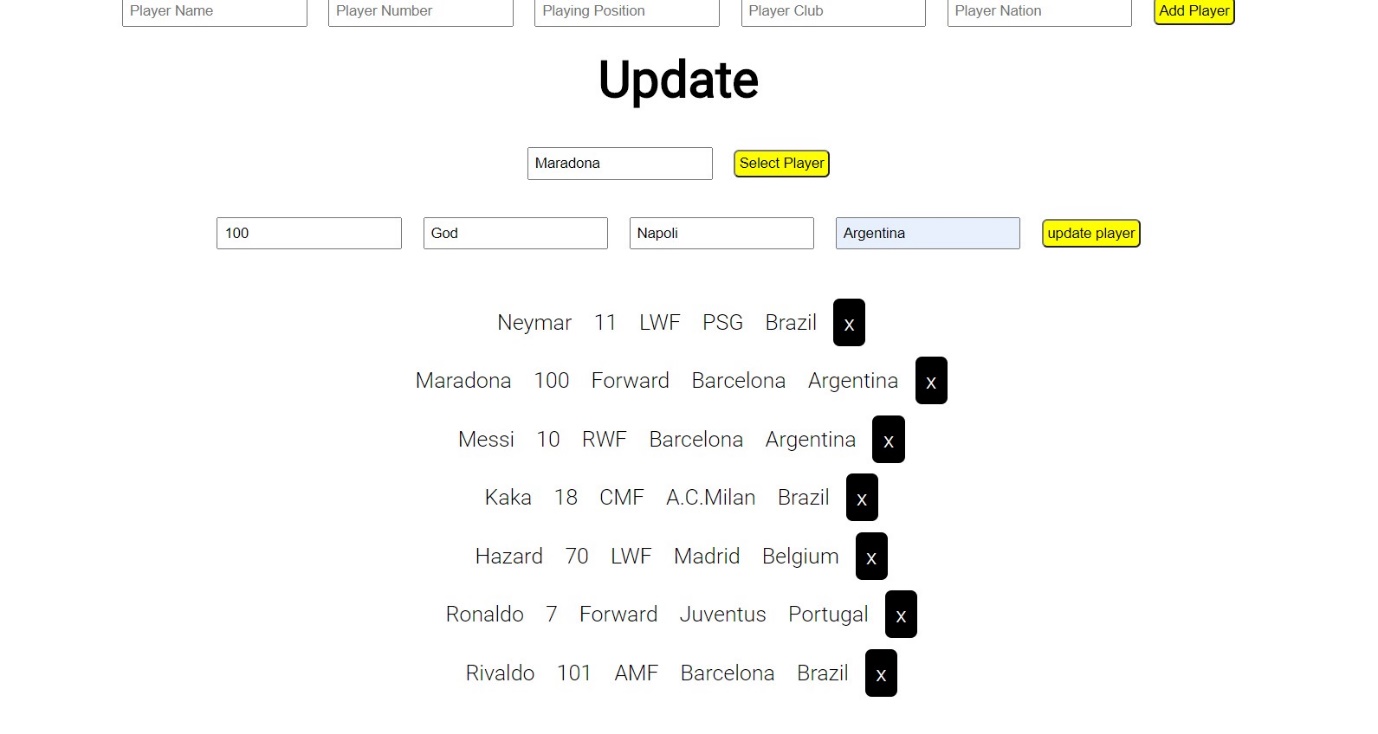
c.

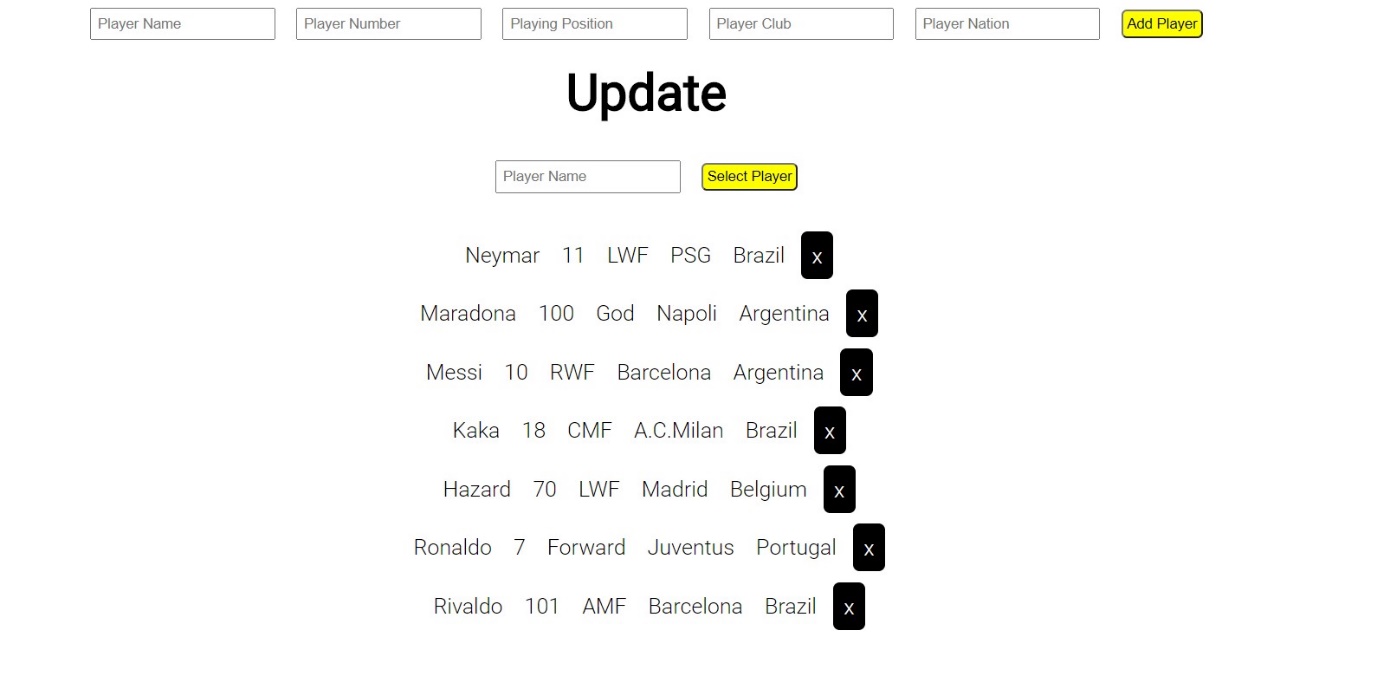
Rivaldo is added to the schema



1. Updating the Schema

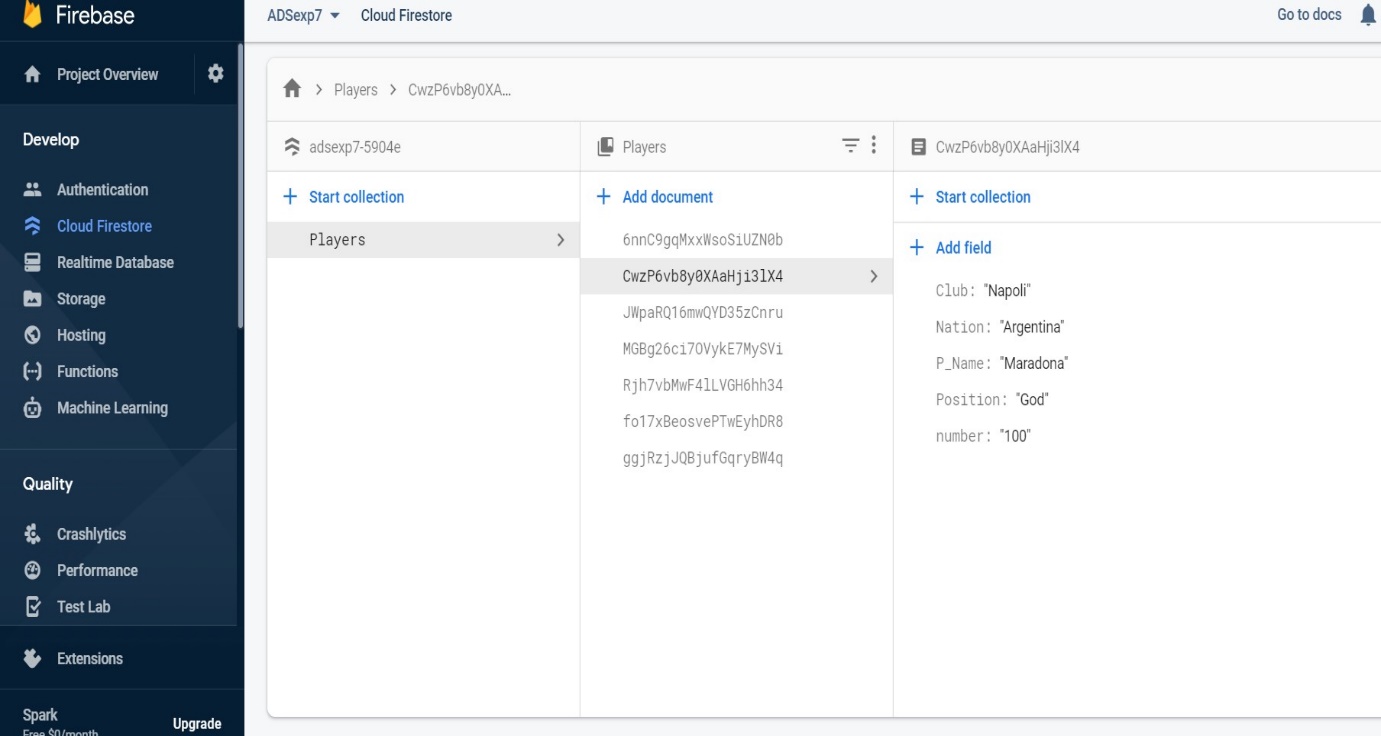
Changing Maradonas’s Position

a. 

b. 

c.

Maradona’s position updated to GOD



1. Simple query on the Schema

Player data of nation Argentina

a.



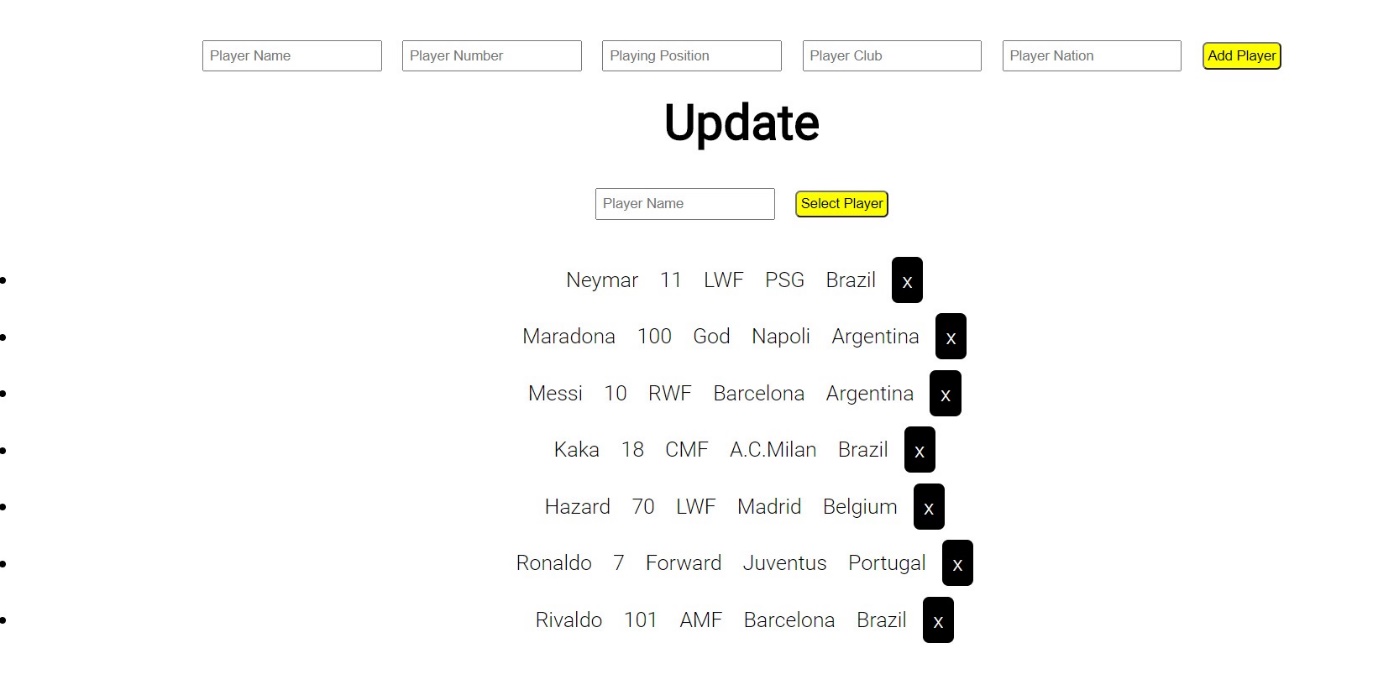
b.



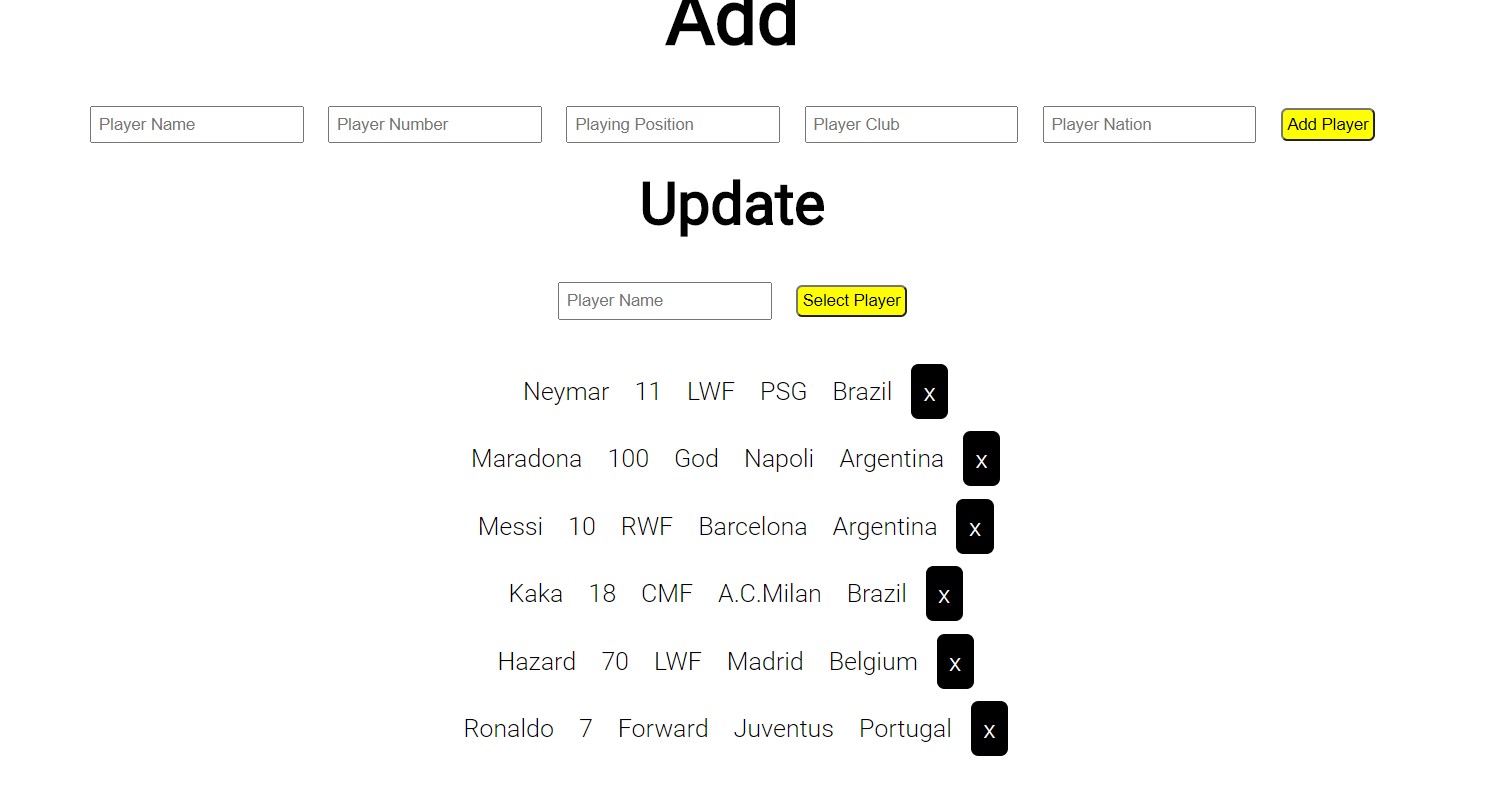
5.Deleting a schema

Deleting player Rivaldo

a.



b.



c.

Player is gone from the Database schema

