**Firebase Realtime Database API Documentation**

**Introduction:**

This application programming interface (API) documentation describes how to incorporate the Firebase Realtime Database into a JavaScript-based web app. It includes settings for data storage, database reference, and initialization.

**Prerequisites:**

In order to use this API, you must first have Firebase set up and the required Firebase modules installed.

***import { initializeApp } from "https://www.gstatic.com/firebasejs/9.19.1/firebase-app.js";***

***import { getDatabase, ref, set } from "https://www.gstatic.com/firebasejs/9.19.1/firebase-database.js";***

**Initialize Firebase**

**initializeApp(config: object): App**

The Firebase configuration object must be supplied in order to initiate Firebase. This method returns a new instance of a Firebase application.

**config** (object): Configuration object containing your Firebase project credentials.

***const app = initializeApp(firebaseConfig);***

**Get a Reference to the Database:**

**getDatabase(app: App): Database**

Get a reference to the Firebase Realtime Database service associated with the initialized Firebase app.

**app** (App): The Firebase app instance.

***const db = getDatabase(app);***

**Store User Data:**

**Event Listener:**

To save user information when a submit button is pressed in an HTML form, add a click event listener to the button.

***document.getElementById("submit").addEventListener('click', function(e) {***

***e.preventDefault();***

***// Code for storing user data goes here.***

***});***

**set(ref: Reference, data: object): Promise<void>**

Save information about users in the Firebase Realtime Database using a given identifier.

* **ref** (Reference): A database reference where the data will be stored.
* **data** (object): The data to be stored in the database.

***set(ref(db, 'user/' + document.getElementById("username").value), {***

***username: document.getElementById("username").value,***

***email: document.getElementById("email").value,***

***PhoneNumber: document.getElementById("phone").value***

***});***

**Example Usage:**

***<!DOCTYPE html>***

***<html>***

***<head>***

***<!-- Include Firebase scripts and initialize Firebase -->***

***</head>***

***<body>***

***<form>***

***<input type="text" id="username" placeholder="Username">***

***<input type="text" id="email" placeholder="Email">***

***<input type="text" id="phone" placeholder="Phone Number">***

***<button id="submit">Submit</button>***

***</form>***

***<script type="module">***

***// JavaScript code as provided in your question***

***</script>***

***</body>***

***</html>***

**Conclusion:**

This application programming interface (API) paper describes how to use Firebase Realtime Database in a standard web project. It's flexible enough to be customized to fit your needs. Check out the Firebase docs for all the details and advanced options.