

# ISP MANAGEMENT SYSTEM(AIRTEL)

Project Report of Web Programming

*Submitted by*

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NMIMS (Deemed –to-be University)

JVPD Scheme Bhaktivedanta Swami Marg,

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**2023-2024**

# ISP MANAGEMENT

## SYSTEM(AIRTEL)

### INTRODUCTION:

The ISP Management System i.e The Airtel clone website is a project aimed at replicating the core functionalities and features of the original Airtel India website. Created as a learning exercise, this clone website serves as a platform for students to explore web development concepts, user interface design, and e-commerce functionalities within the context of a real-world application. By emulating the structure and design of the Airtel website, we gain practical experience in coding, design principles, and project management while honing their skills in a collaborative setting. Through this project, we endeavor to understand the intricacies of website development while showcasing their creativity and innovation in creating a functional clone of a prominent Internet service provider's website.

## SCREENSHOTS OF THE WEBSITE:-

The screenshot shows the Airtel website home page. The header includes the Airtel logo, navigation links for PREPAID, POSTPAID, and HELP, and links for Black, Home, Get App, Store, and Login. The main banner features the text "Family of 2. Or Family of 4." and "Get Airtel Postpaid Family Plan for your special family". Below this, it says "STARTING AT ₹999" and "GET AT ₹1499 FOR 84 DAYS". The banner also includes a "Next" button. Below the banner, there is a red section for "Recharge & Pay bills" with a "Recharge" button. The bottom section is dark and features the "Airtel Black" logo and text: "Enjoy first 30 days free of a new service with Airtel Black". It also includes a description of the Airtel Black service and a "Sign Up" button.

The screenshot shows the Airtel website sign-up form. The header includes the Airtel logo, navigation links for PREPAID, POSTPAID, AIRTEL BLACK, and HELP, and links for Black, Home, Get App, Store, and Login. The main content area is a white box with the title "Sign Up" in red. The form fields are: Full Name (SAHIL), Email (sahil@nmims.in), Password (\*\*\*\*\*), Location (mumbai), Pin Code (401107), and Phone Number (9876543210). A red "Sign Up" button is at the bottom of the form.

# FORM VALIDATION:

127.0.0.1

Airtel - Prepaid | Postpaid | Broadband | DTH | Payments Bank

Back | Home

airtel

PREPAID | POSTPAID | AIRTEL BLACK | HELP

Get App | Store | Login

Sign Up

Full Name:

tdh

Email:

ytdt@vtdj.com

Password:

\*\*\*\*\*

Location:

678567

Pin Code:

91

Please enter a valid pin code.

Phone Number:

57

Please enter a valid phone number.

Sign Up

127.0.0.1

Airtel - Prepaid | Postpaid | Broadband | DTH | Payments Bank

Back | Home

airtel

PREPAID | POSTPAID | AIRTEL BLACK | HELP

Get App | Store | Login

Sign Up

Full Name:

shashank

Email:

shasank@shashank.com

Password:

\*\*\*\*\*

Location:

Shashank

Pin Code:

409987

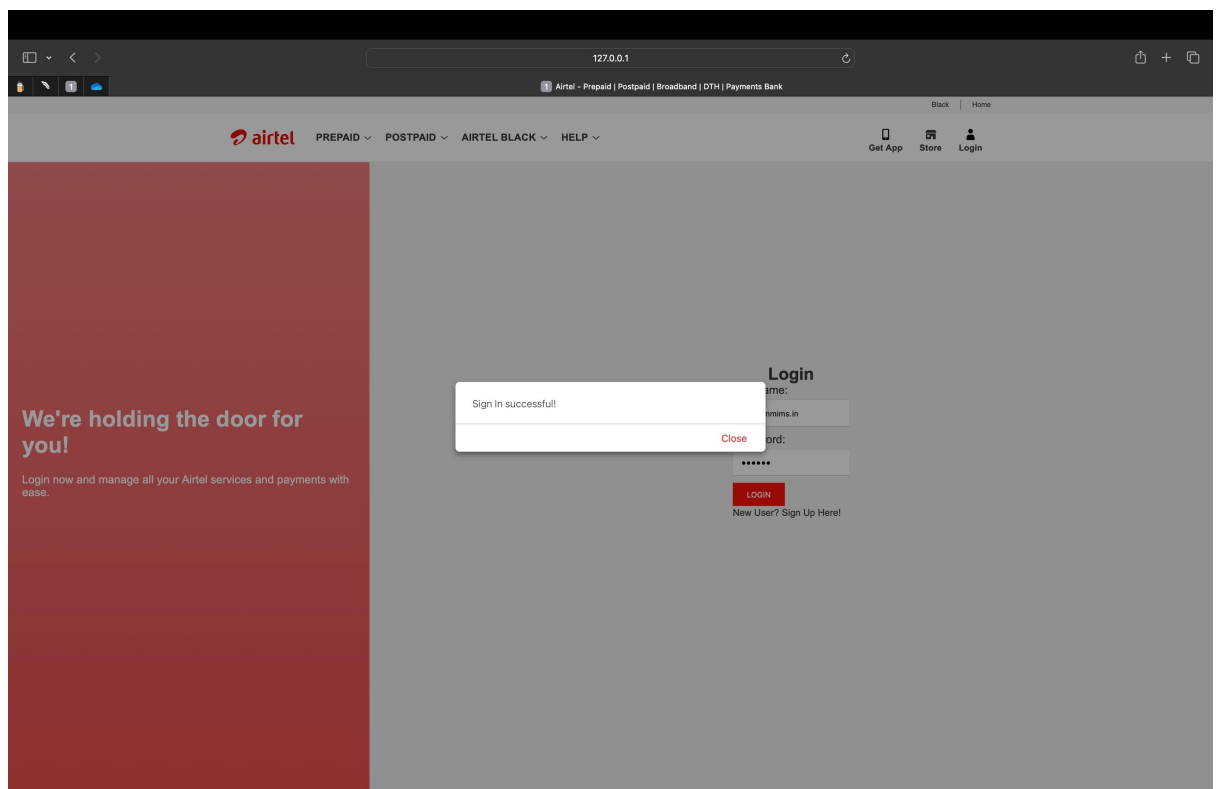
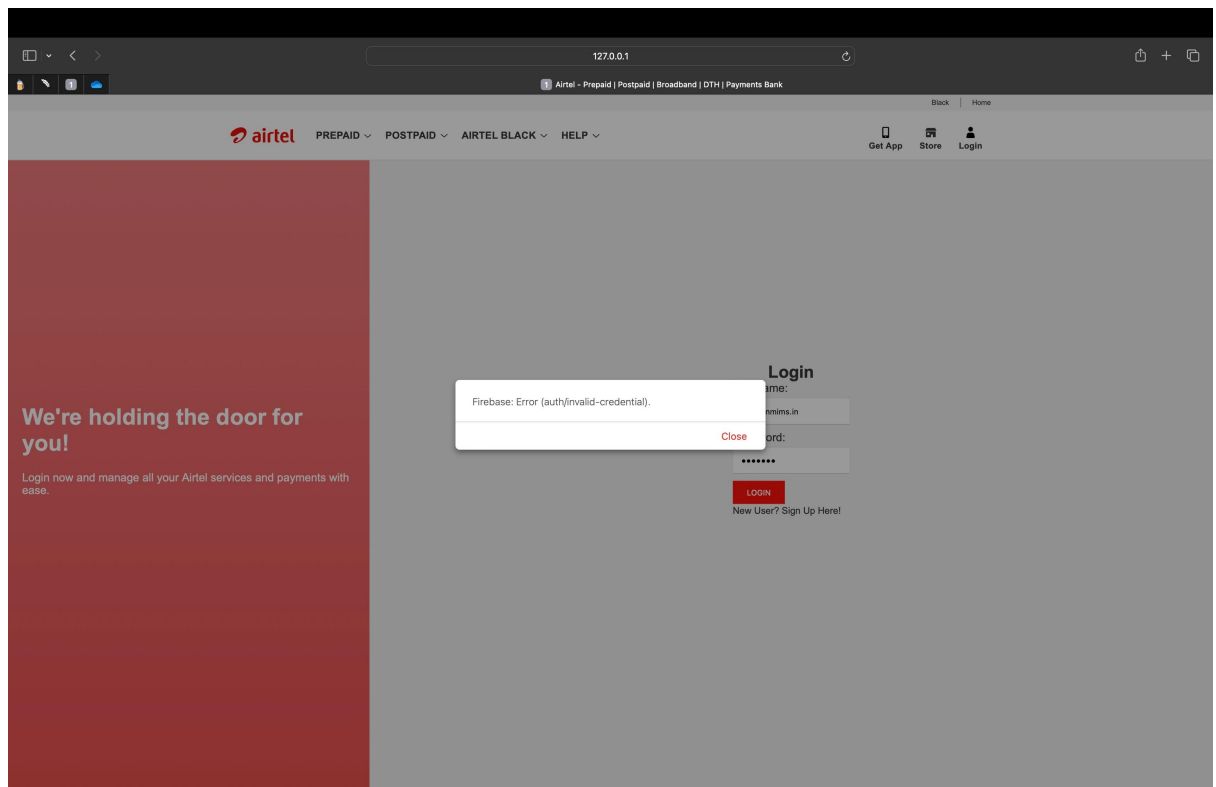
Phone Number:

9876543200

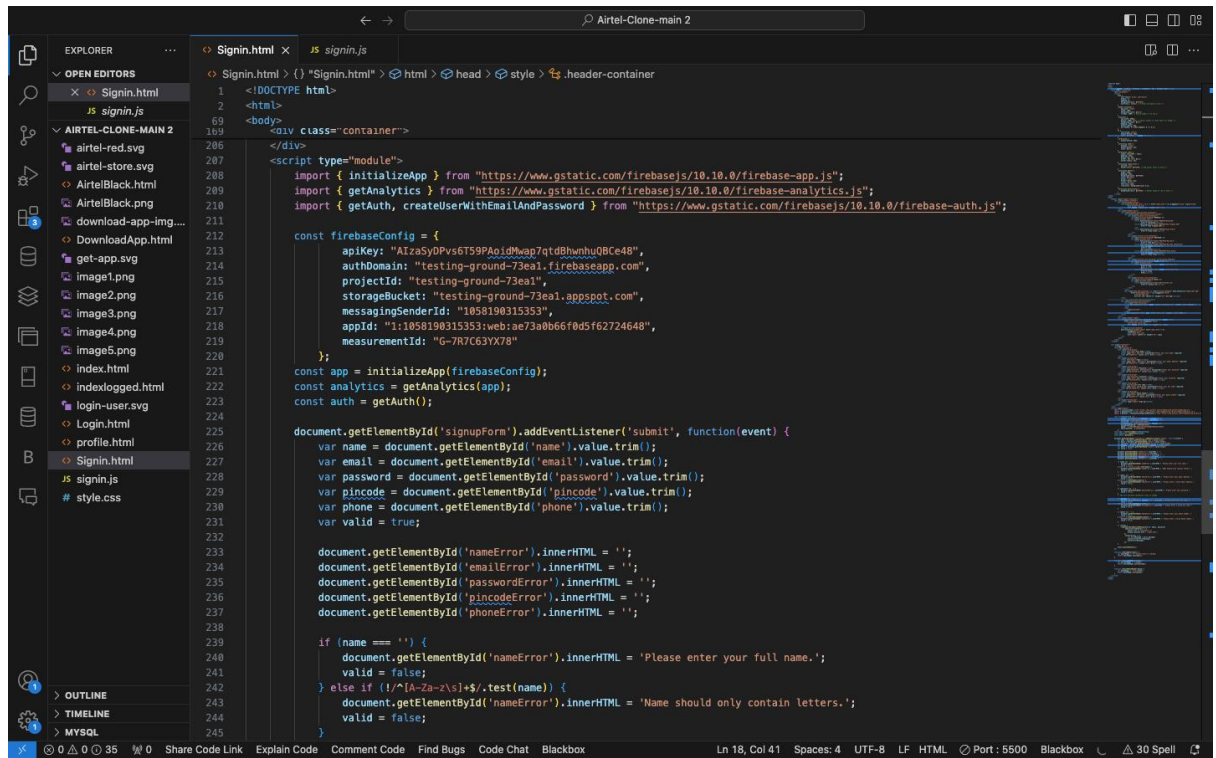
Sign Up

Sign up successful!

Close



# FORM VALIDATION LOGIC:



The screenshot shows the VS Code editor with the 'Signin.html' file open. The file contains the following code:

```
<!DOCTYPE html>
<html>
<body>
<div class="container">

</div>
<script type="module">
import { initializeApp } from "https://www.gstatic.com/firebasejs/10.10.0/firebase-app.js";
import { getAnalytics } from "https://www.gstatic.com/firebasejs/10.10.0/firebase-analytics.js";
import { getAuth, createUserWithEmailAndPassword } from "https://www.gstatic.com/firebasejs/10.10.0/firebase-auth.js";

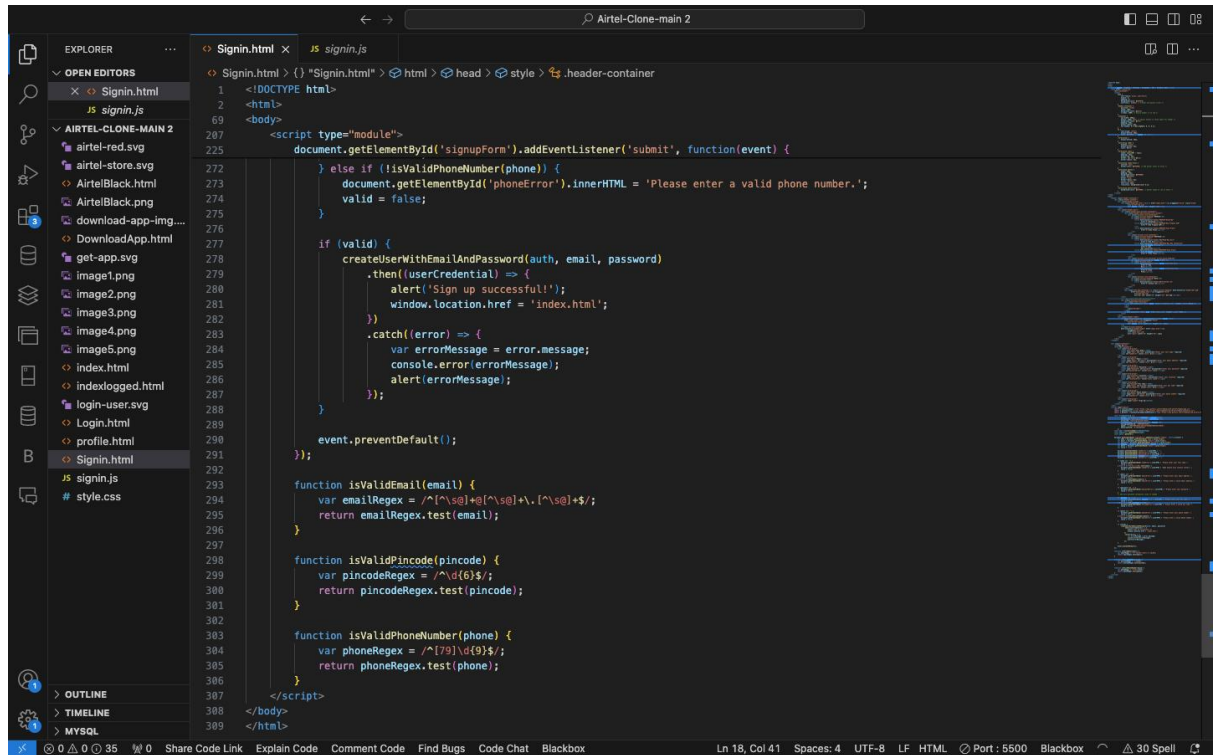
const firebaseConfig = {
  apiKey: "AIzaSyDPvs6T59PAoidMwq7qtdBhwnhuQBCe48",
  authDomain: "testing-ground-73eal.firebaseio.com",
  projectId: "testing-ground-73eal",
  storageBucket: "testing-ground-73eal.appspot.com",
  messagingSenderId: "1058190315353",
  appId: "1:1058190315353:web:ae73a0b66f0d5f62724648",
  measurementId: "G-7R7C63YX78"
};

const app = initializeApp(firebaseConfig);
const analytics = getAnalytics(app);
const auth = getAuth();

document.getElementById('signupForm').addEventListener('submit', function(event) {
  var name = document.getElementById('name').value.trim();
  var email = document.getElementById('email').value.trim();
  var password = document.getElementById('password').value.trim();
  var pincode = document.getElementById('pincode').value.trim();
  var phone = document.getElementById('phone').value.trim();
  var valid = true;

  document.getElementById('nameError').innerHTML = '';
  document.getElementById('emailError').innerHTML = '';
  document.getElementById('passwordError').innerHTML = '';
  document.getElementById('pincodeError').innerHTML = '';
  document.getElementById('phoneError').innerHTML = '';

  if (name === '') {
    document.getElementById('nameError').innerHTML = 'Please enter your full name.';
    valid = false;
  } else if (!/^[A-Za-z\s]+$/.test(name)) {
    document.getElementById('nameError').innerHTML = 'Name should only contain letters.';
    valid = false;
  }
});
```



The screenshot shows the VS Code editor with the 'Signin.html' file open. The file contains the following code:

```
document.getElementById('signupForm').addEventListener('submit', function(event) {
  // ... (previous code) ...

  } else if (!isValidPhoneNumber(phone)) {
    document.getElementById('phoneError').innerHTML = 'Please enter a valid phone number.';
    valid = false;
  }


  if (valid) {
    createUserWithEmailAndPassword(auth, email, password)
      .then((userCredential) => {
        alert('Sign up successful!');
        window.location.href = 'index.html';
      })
      .catch((error) => {
        var errorMessage = error.message;
        console.error(errorMessage);
        alert(errorMessage);
      });
    event.preventDefault();
  }
});

function isValidEmail(email) {
  var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
  return emailRegex.test(email);
}

function isValidPincode(pincode) {
  var pincodeRegex = /^[0-9]{6}$/;
  return pincodeRegex.test(pincode);
}

function isValidPhoneNumber(phone) {
  var phoneRegex = /^[79]\d{9}$/;
  return phoneRegex.test(phone);
}
</script>
</body>
</html>
```

Black | Home

 PREPAID POSTPAID HELP

Get App

Store


Logout

Prev

### One Recharge. Unlimited entertainment.

3 GB Data/Day & Netflix subscription

GET AT ₹1499 FOR 84 DAYS



Next

Recharge & Pay bills

Get exciting cashback and offers

Prepaid

Postpaid

DTH

Broadband

Airtel Black

Enter mobile number

Recharge

airtel black logo

Enjoy first **30 days free** of a new service with Airtel Black

## DATABASE CONNECTIVITY WITH TEST CASES:

Firebase

Project Overview

Project shortcuts

Authentication

What's new

Extensions

Release Monit...

Product categories

Build

Release & Monitor

Analytics

Engage

All products

Customize your nav!

Learn more

Got it

Spark

No cost \$0/month

Upgrade

testing-ground

Authentication

Users

Sign-in method

Templates

Usage

Settings

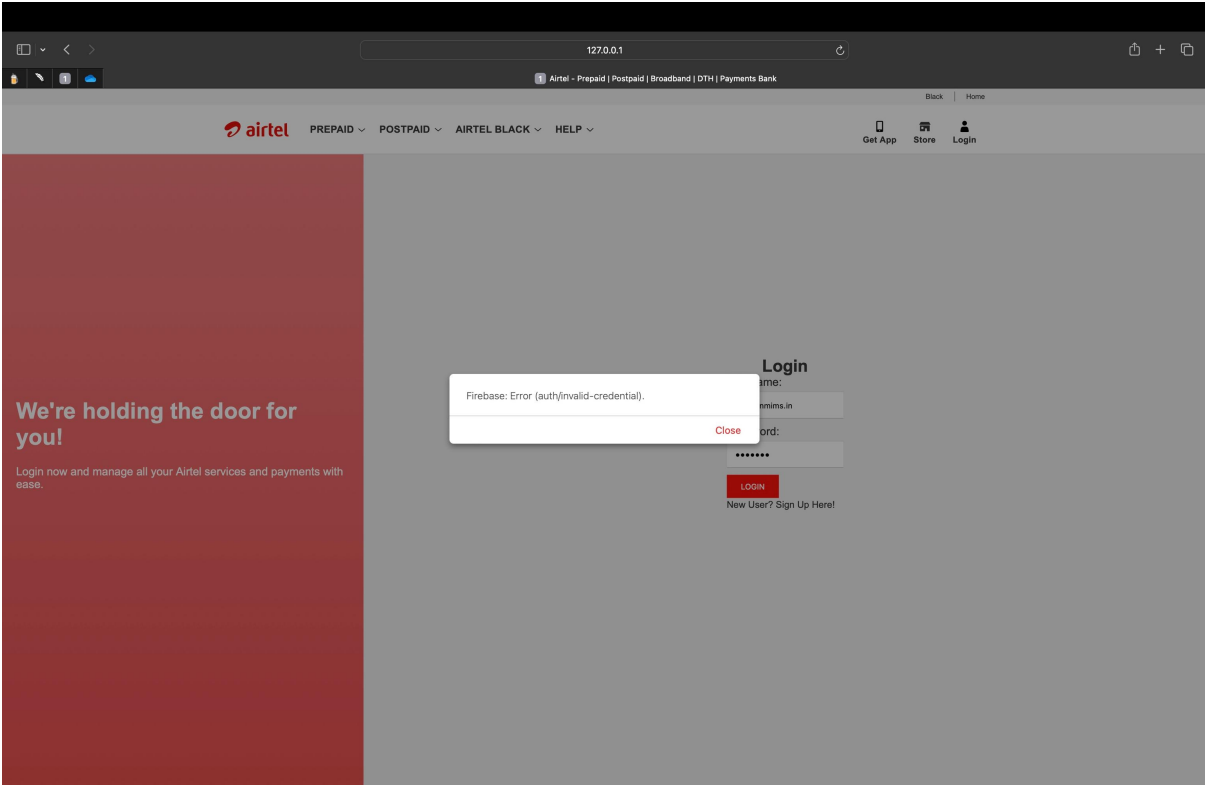
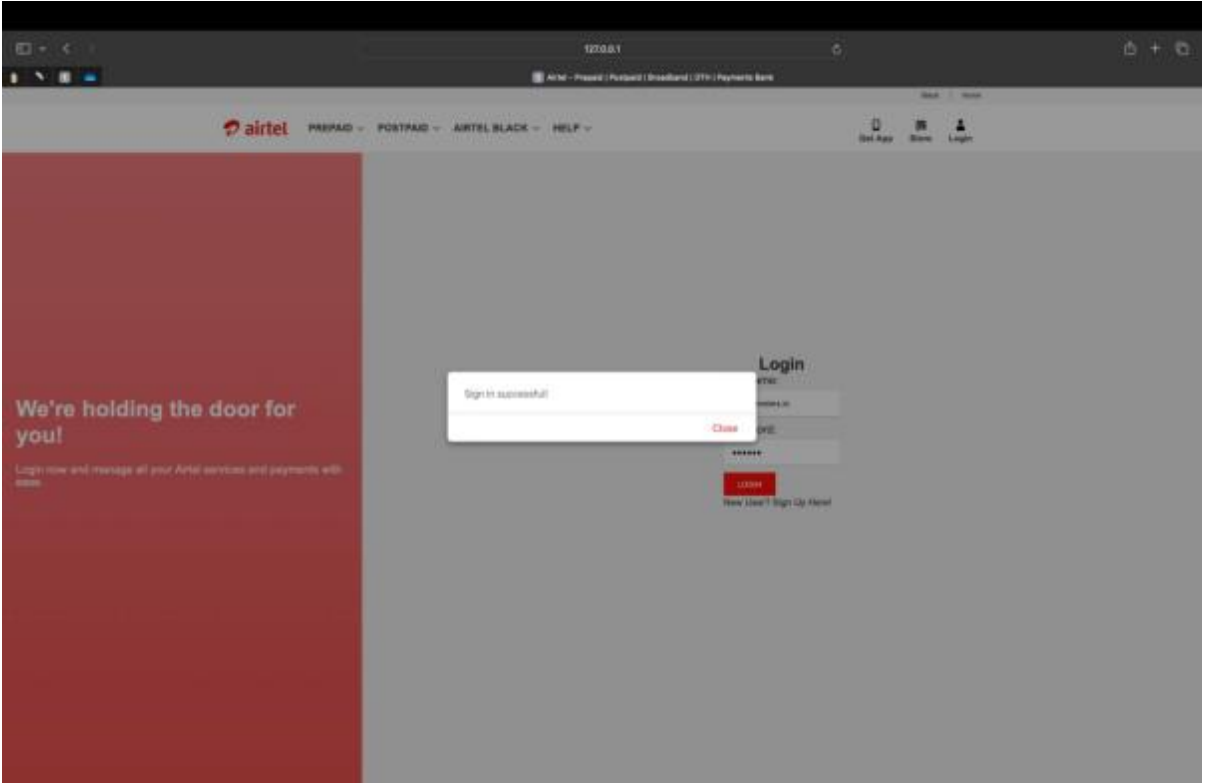
Extensions

Search by email address, phone number, or user UID

Add user

| Identifier           | Providers | Created     | Signed In   | User UID                    |
|----------------------|-----------|-------------|-------------|-----------------------------|
| shasank@shashank.com |           | Apr 6, 2024 | Apr 6, 2024 | SzzGVdYFq3W0MS42y6hDR9L...  |
| sahl@nmims.in        |           | Apr 6, 2024 | Apr 6, 2024 | TfbBjoy97dBFHhdpTIfYeEjr2   |
| kjs@kjs.com          |           | Apr 5, 2024 | Apr 5, 2024 | 02Jpwr6IURNdgKRHKuFtUKNL... |
| kj@kj.kj             |           | Apr 5, 2024 | Apr 5, 2024 | Xz2Si5xGhJc5gezj3Ma2Pmb...  |
| gajskdadgk@admin.com |           | Apr 5, 2024 | Apr 5, 2024 | BQsvyNw8aQaqf6TQwkFEhIF...  |
| admin@admin1.com     |           | Apr 5, 2024 | Apr 5, 2024 | IFT6VYvrieMtbJrMHwPGMSW...  |
| fgh@gmail.com        |           | Apr 5, 2024 | Apr 5, 2024 | fQqIAFEa3QTWhgPp4uuMQnO...  |
| shr@gmail.com        |           | Apr 5, 2024 | Apr 5, 2024 | onrSZ2KsSJXH9QmRlk3PlbBp... |
| artika@gmail.com     |           | Apr 5, 2024 | Apr 5, 2024 | N42PktglHXWP7fF4wXSxVzg...  |
| sanap@gmail.com      |           | Apr 5, 2024 | Apr 5, 2024 | Gl6hLZ7TXyh7bHfJSQqJOkm...  |
| admin@admin.com      |           | Apr 4, 2024 | Apr 5, 2024 | B50xVvOwGBSf5J4wRtIQ55SY... |
| hello@123.com        |           | Apr 4, 2024 | Apr 4, 2024 | wWFuwKubQGSNbzJz25qm9...    |

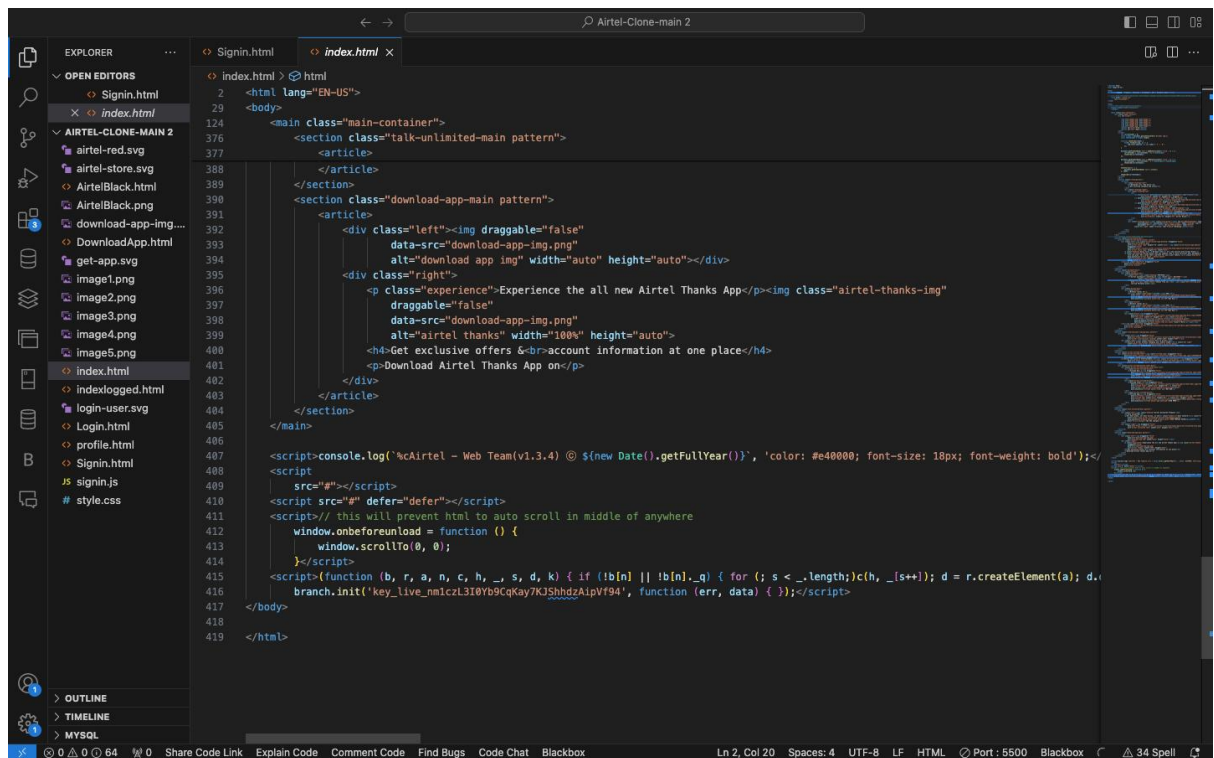
DATABASE FETCHING:





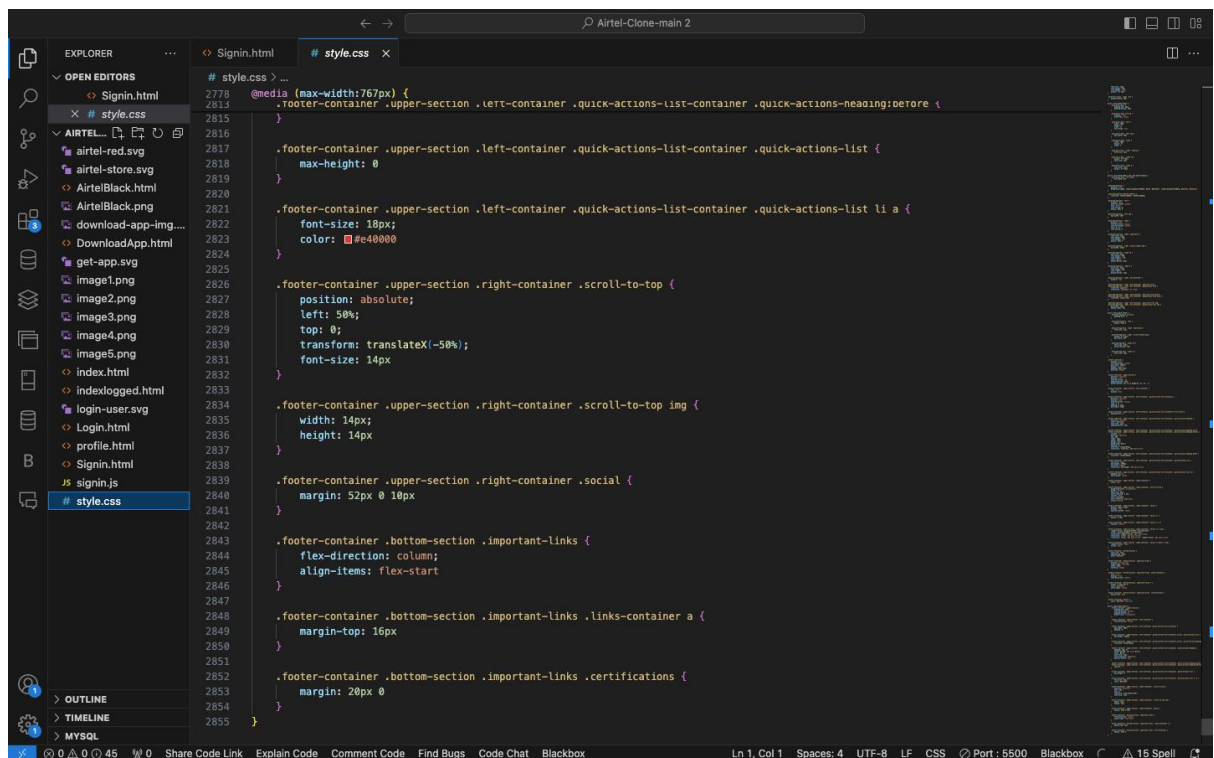
## SCREENSHOTS OF THE CODE BASE:-

### HTML:



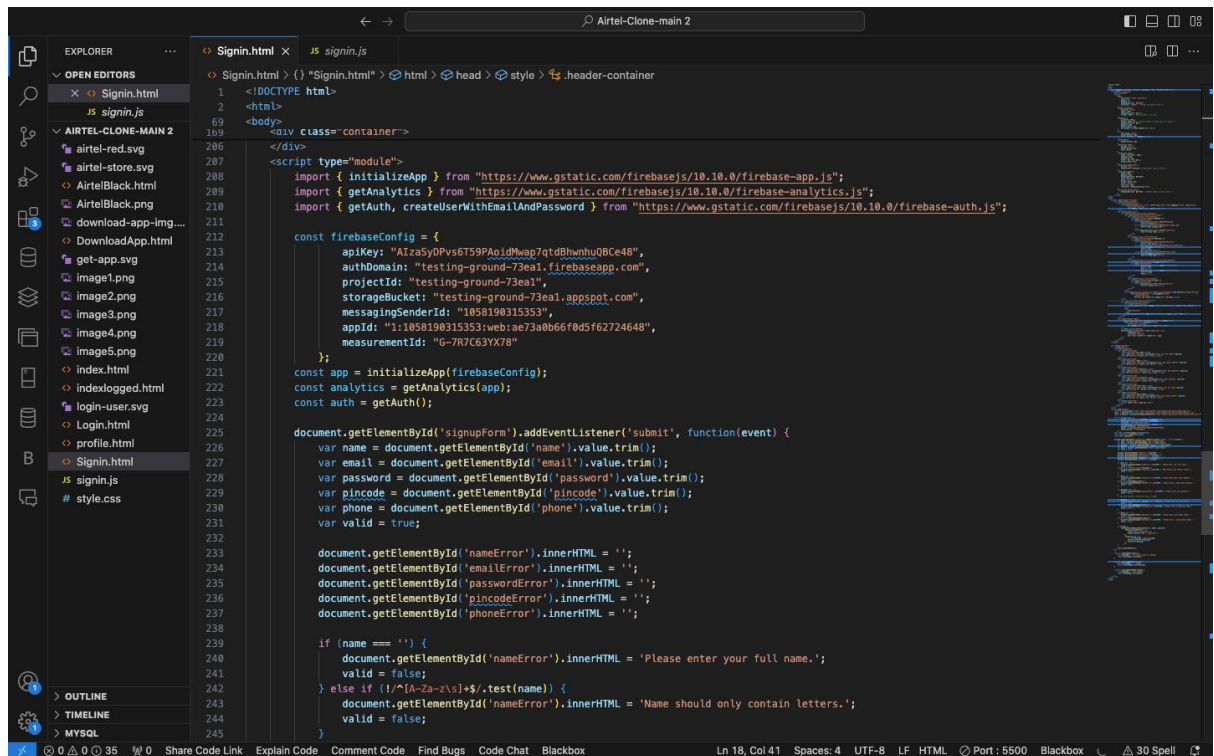
```
1 <html lang="EN-US">
2 <body>
3   <main class="main-container">
4     <section class="talk-unlimited-main pattern">
5       <article>
6       </article>
7     </section>
8     <section class="download-app-main pattern">
9       <article>
10        <div class="left"></div>
13        <div class="right">
14          <p class="experience">Experience the all new Airtel Thanks App</p>
18          <h4>Get exclusive offers &lt;br>account information at one place</h4>
19          <p>Download Airtel Thanks App on</p>
20        </div>
21      </article>
22    </section>
23  </main>
24  <script>console.log('%Airtel - Web Team(v1.3.4) @ $(new Date().getFullYear()), 'color: #e40000; font-size: 18px; font-weight: bold');</script>
25  <script
26    src="#"></script>
27  <script src="#" defer="defer"></script>
28  <script>// this will prevent html to auto scroll in middle of anywhere
29    window.onbeforeunload = function () {
30      window.scrollTo(0, 0);
31    };</script>
32  <script>(function (b, r, a, n, y, c, h, _, s, d, k) { if (!b[n] || !b[n].q) { for (; s < _length; )c(h, _[s++]); d = r.createElement(a); d.
33    branch.init('key_live_nmlczl310Yb9CqKay7KJ5hhd2AipVf94', function (err, data) { });</script>
34 </body>
35 </html>
```

### CSS:

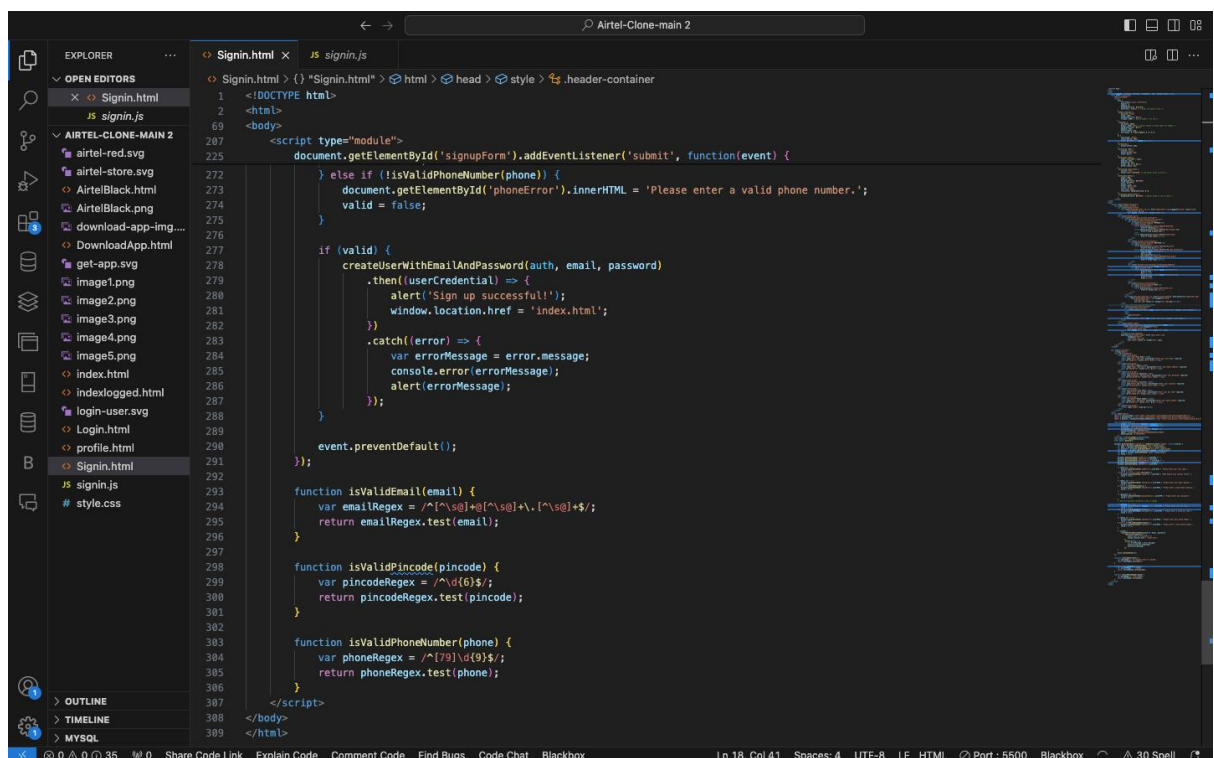


```
1 @media (max-width:767px) {
2   .footer-container .upper-section .left-container .quick-actions-list-container .quick-actions-heading:before {
3   }
4   .footer-container .upper-section .left-container .quick-actions-list-container .quick-actions-list {
5     max-height: 0;
6   }
7   .footer-container .upper-section .right-container .scroll-to-top {
8     position: absolute;
9     left: 50%;
10    top: 0;
11    transform: translateX(-50%);
12    font-size: 14px;
13  }
14  .footer-container .upper-section .right-container .scroll-to-top img {
15    width: 14px;
16    height: 14px;
17  }
18  .footer-container .upper-section .right-container .social {
19    margin: 52px 0 10px;
20  }
21  .footer-container .bottom-section .important-links {
22    flex-direction: column;
23    align-items: flex-start;
24  }
25  .footer-container .bottom-section .important-links .links-container a {
26    margin-top: 16px;
27  }
28  .footer-container .bottom-section .important-links .certifications {
29    margin: 20px 0;
30  }
31 }
```

## JS (INTERNAL):



```
Signin.html > {} "Signin.html" > html > head > style > .header-container
1 <!DOCTYPE html>
2 <html>
69 <body>
169 <div class="container">
206 </div>
207 <script type="module">
208 import { initializeApp } from "https://www.gstatic.com/firebasejs/10.10.0/firebase-app.js";
209 import { getAnalytics } from "https://www.gstatic.com/firebasejs/10.10.0/firebase-analytics.js";
210 import { getAuth, createUserWithEmailAndPassword } from "https://www.gstatic.com/firebasejs/10.10.0/firebase-auth.js";
211
212 const firebaseConfig = {
213   apiKey: "AIzaSyDPvs6T59PAoidMwq7qtdBhwnhuQBCe48",
214   authDomain: "testing-ground-73eal.firebaseio.com",
215   projectId: "testing-ground-73eal",
216   storageBucket: "testing-ground-73eal.appspot.com",
217   messagingSenderId: "1058190315353",
218   appId: "1:1058190315353:web:ae73a0b66f0d5f62724648",
219   measurementId: "G-7R7C63YX78"
220 };
221 const app = initializeApp(firebaseConfig);
222 const analytics = getAnalytics(app);
223 const auth = getAuth();
224
225 document.getElementById('signupForm').addEventListener('submit', function(event) {
226   var name = document.getElementById('name').value.trim();
227   var email = document.getElementById('email').value.trim();
228   var password = document.getElementById('password').value.trim();
229   var pincode = document.getElementById('pincode').value.trim();
230   var phone = document.getElementById('phone').value.trim();
231   var valid = true;
232
233   document.getElementById('nameError').innerHTML = '';
234   document.getElementById('emailError').innerHTML = '';
235   document.getElementById('passwordError').innerHTML = '';
236   document.getElementById('pincodeError').innerHTML = '';
237   document.getElementById('phoneError').innerHTML = '';
238
239   if (name === '') {
240     document.getElementById('nameError').innerHTML = 'Please enter your full name.';
241     valid = false;
242   } else if (!/^[A-Za-z]+$/.test(name)) {
243     document.getElementById('nameError').innerHTML = 'Name should only contain letters.';
244     valid = false;
245   }
246 }
```



```
225 document.getElementById('signupForm').addEventListener('submit', function(event) {
272   } else if (!isValidPhoneNumber(phone)) {
273     document.getElementById('phoneError').innerHTML = 'Please enter a valid phone number.';
274     valid = false;
275   }
276
277   if (valid) {
278     createUserWithEmailAndPassword(auth, email, password)
279       .then((userCredential) => {
280         alert('Sign up successful!');
281         window.location.href = 'index.html';
282       })
283       .catch((error) => {
284         var errorMessage = error.message;
285         console.error(errorMessage);
286         alert(errorMessage);
287       });
288   }
289   event.preventDefault();
290
291   function isValidEmail(email) {
292     var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
293     return emailRegex.test(email);
294   }
295
296   function isValidPincode(pincode) {
297     var pincodeRegex = /^\d{6}$/;
298     return pincodeRegex.test(pincode);
299   }
300
301   function isValidPhoneNumber(phone) {
302     var phoneRegex = /^[79]\d{9}$/;
303     return phoneRegex.test(phone);
304   }
305 }
306 </script>
307 </body>
308 </html>
```

## Key features of Website:-

- Atmost Airtel.in clone Home Page

- Some Navigation Bar Features working example Get our APP etc.
- Dedicated Login Page with has to be put in proper credentials unless it won't proceed further.
- SignUp Page in which details to be filled properly.
- Home Page with a Logout Button
- Advertisement Hovering.
- Emails and Passwords could be saved with proper database connectivity and query performance using Firebase Authentication.

## Other Screenshots:-

