This code shows the JavaScript code embedded into an HTML file and how the Firebase database, Cloud Firestore was initiated and filled.

```
</div>
                    </div>
              </div>
        </div>
        <script src="/__/firebase/7.2.3/firebase-app.js"></script>
        <script src="/__/firebase/init.js"></script>
        <script src="/__/firebase/7.2.3/firebase-auth.js"></script>
        <script src="/__/firebase/7.2.3/firebase-firestore.js"></script>

    </body>
</html>

                    </div>
                </div>
            </div>
        </div>
    </body>

    <script type="text/javascript">

        //initalize the database for the user
        var database = firebase.firestore();

        //figure out how to create a new doc for each User Profile
        //create a collection and document reference for profiles
        const docRef = database.doc("userProfiles/101");

        // assign names to fields that need to be added to DB

        // Name
        const NameHeader = document.querySelector("#text");
        const NameTextField = document.querySelector("#name-top-input");
        // Email
        const EmailHeader = document.querySelector("#text");
        const EmailTextField = document.querySelector("#email-top-input");
        // Phone Number
        const NumberHeader = document.querySelector("#bottom-text");
        const NumberTextField = document.querySelector("#number-bottom-input");
        // Location
        const LocationHeader = document.querySelector("#bottom-text");
        const LocationTextField = document.querySelector("#location-bottom-input");
        // Education
        const EducationHeader = document.querySelector("#bottom-text");
        const EducationTextField = document.querySelector("#education-bottom-input");
        // Website/GitHub URL
        const WebsiteHeader = document.querySelector("#bottom-text");
        const WebsiteTextField = document.querySelector("#website-bottom-input");
        // Affiliations
        const AffilHeader = document.querySelector("#right-text");
        const AffilTextField = document.querySelector("#affil-right-input");
        // LinkedIn
        const LinkedHeader = document.querySelector("#right-text");
        const LinkedTextField = document.querySelector("#linkedin-input")
        //Resume

        // JobSearch
        const JobSearcButton = document.querySelector("#job-input");
        const SaveButton = document.querySelector("#SaveButton");
```

```javascript
        SaveButton.addEventListener("click", function () {

            //onClick of the save button add these fields to DB

            //NametoSave
            const NameToSave = NameTextField.value;
            // Email
            const EmailToSave = EmailTextField.value;
            // Phone Number
            const NumberToSave = NumberTextField.value;
            // Location
            const LocationToSave = LocationTextField.value;
            // Education
            const EducationToSave = EducationTextField.value;
            // Website/GitHub URL
            const WebsiteToSave = WebsiteTextField.value;
            // Affiliations
            const AffilToSave = AffilTextField.value;
            // LinkedIn
            const LinkedToSave = LinkedTextField.value;
            // JobSearch
            const JobSearchSave = JobSearcButton.value;
            console.log("I am going to save data to Firestore")

            docRef.set({
                userName: NameToSave,
                Email: EmailToSave,
                PhoneNumber: NumberToSave,
                Location: LocationToSave,
                Education: EducationToSave,
                Website_URL: WebsiteToSave,
                Affiliations: AffilToSave,
                LinkedIn_URL: LinkedToSave,
                JobSearch: true
            }).then(function(){
                console.log("Name Saved");
                alert("Information Successfuly Saved!");
            }).catch(function (error) {
                console.log("Got an error: ", error);
            });
        })

    </script>
</html>
```

This code shows the JavaScript code embedded into an HTML file and how the function handleSignup(), that is being called once the user presses the save button, takes the user input, Name & Password and passes it to the Firebase Authentication function.

```html
<div class="enter">
                    <button type="button" class="cancelButton">Cancel</button>
                    <input type="button" class="signupButton" value="Sign Up"
onclick="handleSignUp();">
                </div>
                <div class="login-route">
                    <h3 id="login">Have an account?</h3>
                    <span tabindex="-1" class="login"><input type="button" class="login"
id="text" onclick="location.href='../signup-login/login.html';" value="Login"/></span>
                </div>
                <div class="other">
                    <span tabindex="-1" class="other"><input type="button" class="other"
id="text" onclick="location.href='../../company/signup-login/signup.html';" value="Signup
as Company"/></span>
                </div>
            </div>
        </form>

    </body>

    <script type="text/javascript">

        // function to handle signup to the system
        function handleSignUp() {

        //save the name in the database maybe
        var email = document.getElementById('email').value;
        var password = document.getElementById('password').value;
        //password length verification
        if (email.length < 4) {
          alert('Please enter an email address.');
          return;
        }
        if (password.length < 4) {
          alert('Please enter a password.');
          return;
        }
        // Sign up with email and pass.
        // [START createwithemail]
        firebase.auth().createUserWithEmailAndPassword(email,
password).catch(function(error) {

            // Handle Errors here.
            var errorCode = error.code;
            var errorMessage = error.message;
            // [START_EXCLUDE]
            if (errorCode == 'auth/weak-password') {
              alert('The password is too weak.');
            } else {
              alert(errorMessage);
            }
            console.log(error);
            // [END_EXCLUDE]
        });
        // [END createwithemail]

        //sendEmailVerification();
```

```
      firebase.auth().currentUser.sendEmailVerification().then(function() {
        // Email Verification sent!
        // [START_EXCLUDE]
        alert('Email Verification Sent!');
        top.location.href = "../user-profile/user.html";
      });
    }


    </script>
</html>
```

Code Snippet from Glass Ceiling & Co: Initialize Authentication Setup
This code shows the JavaScript code is placed into a separate .js file which is imported into the pages containing authentication, Candidate and Company Signup & Login. It creates a listener on behalf of Firebase and passes in information to necessary for Firebase Authentication to function.

```
/** initApp handles setting up UI event listeners and registering Firebase auth
listeners:
      * - firebase.auth().onAuthStateChanged: This listener is called when the user is
signed in or
      *    out, and that is where we update the UI.
      */
    function initApp() {
      // Listening for auth state changes.
      // [START authstatelistener]
      firebase.auth().onAuthStateChanged(function(user) {
        // [START_EXCLUDE silent]
        document.getElementById('quickstart-verify-email').disabled = true;
        // [END_EXCLUDE]
        if (user) {
          // User is signed in.
          var displayName = user.displayName;
          var email = user.email;
          var emailVerified = user.emailVerified;
          var photoURL = user.photoURL;
          var isAnonymous = user.isAnonymous;
          var uid = user.uid;
          var providerData = user.providerData;
          // [START_EXCLUDE]
          document.getElementById('quickstart-sign-in-status').textContent = 'Signed
in';
          document.getElementById('quickstart-sign-in').textContent = 'Sign out';
          document.getElementById('quickstart-account-details').textContent =
JSON.stringify(user, null, '  ');
          if (!emailVerified) {
            document.getElementById('quickstart-verify-email').disabled = false;
          }
          // [END_EXCLUDE]
        } else {
          // User is signed out.
          // [START_EXCLUDE]
          document.getElementById('quickstart-sign-in-status').textContent = 'Signed
out';
          document.getElementById('quickstart-sign-in').textContent = 'Sign in';
          document.getElementById('quickstart-account-details').textContent = 'null';
          // [END_EXCLUDE]
        }
        // [START_EXCLUDE silent]
        document.getElementById('quickstart-sign-in').disabled = false;
        // [END_EXCLUDE]
      });
      // [END authstatelistener]
      //document.getElementById('quickstart-sign-
in').addEventListener("DOMContentLoaded", 'click', toggleSignIn, false);
      document.getElementById('quickstart-sign-
up').addEventListener("DOMContentLoaded", 'click', handleSignUp, false);
      document.getElementById('quickstart-verify-
email').addEventListener("DOMContentLoaded", 'click', sendEmailVerification, false);
      document.getElementById('quickstart-password-
reset').addEventListener("DOMContentLoaded", 'click', sendPasswordReset, false);
    }
```

```
window.onload = function() {
  initApp();
};
```