Assignment Category: **Assignment-09\_category\_Sunflower**

**🚩🚩update: All the updates will be declared here.**

**Requirements**

[Requirement Video](https://drive.google.com/file/d/1dumTcZurXjbbUSZPq-NhC7zY3UgdhvY8/view?usp=sharing)

## **SkillSwap – A Local Skill Exchange Platform**

##### **Project Theme**

An interactive platform for individuals to offer, learn, and trade skills within their local area. Whether it’s guitar lessons, language exchange, coding help, or yoga training — users can browse listings, rate experiences, and connect with local skill providers.

#### Ensure the Following things to get 100% mark

* **GitHub Commits:** Include at least 10 meaningful commits with descriptive messages.
* **Readme.md:** Include a README file with the project name, purpose, live URL, key features, and any npm packages you have used.
* **Responsiveness:** Ensure the website is fully responsive on mobile, tablet, and desktop.
* **Environment Variables:** Secure Firebase configuration keys using environment variables.
* **Unique Design:** 
  + Use a minimalist and modern design focused on clarity and approachability.
  + Include subtle animations (AOS, Framer Motion, or Swiper.js).
  + Ensure SPA behavior: No errors on route reloads.
* **Host your Application:** You can host deployment systems like Netlify, surge, and Firebase. As you develop a single-page application
  + ensure that the page doesn't throw any error on reloading from any routes.
  + Add authorized domain to Firebase if you use Netlify / surge

### **Main Requirements**

##### **Layout Structure**

1. **Navbar**
   * Logo, Home, My Profile
   * Show user avatar when logged in (on mouse hover shows displayName).
   * Login & Signup button when logged out.
   * Logout button when logged in.
2. **Footer**
   * Contact info, social links, privacy policy
3. **Main Section**
   * Route-based content loading
   * Ensure persistent Navbar/Footer without crashing

### **Skill Listings (JSON Data)**

Generate skill listing JSON data consisting an array of minimum 6 skill objects.

Example Json Data:

[

{

"skillId": 1,

"skillName": "Beginner Guitar Lessons",

"providerName": "Alex Martin",

"providerEmail": "alex@skillswap.com",

"price": 20,

"rating": 4.8,

"slotsAvailable": 3,

"description": "Acoustic guitar classes for complete beginners.",

"image": "https://i.postimg.cc/example1.png",

"category": "Music"

},

{

"skillId": 2,

"skillName": "Spoken English Practice",

"providerName": "Sara Hossain",

"providerEmail": "sara@skillswap.com",

"price": 10,

"rating": 4.6,

"slotsAvailable": 5,

"description": "Conversational English sessions for non-native speakers.",

"image": "https://i.postimg.cc/example2.png",

"category": "Language"

}

]

🔗 **You can generate actual image URLs by uploading to https://postimages.org/ or https://imgbb.com/**

##### **Home Page**

Sections:

1. **Hero Slider** (use Swiper/DaisyUI)
2. **Popular Skills** – Cards with:  
   * image
   * Skill name
   * Rating
   * Price
   * “View Details” button
3. **Extra Sections**
   * “Top Rated Providers” (Static Data or Fetch data from fake JSON Data)
   * “How It Works” Section.

**4. Skill Details Page (Protected)**

* Only accessible if logged in. If not logged in, redirect the user to the login page, after login, redirect the user back to this page.
* Design this page as you wish. Show all JSON data fields.
* Include a **“Book Session”** form:  
  + Name
  + Email
  + Submit Button.
    - Just show a success toast on submission, no other functionality needed.
    - Clear the form afterwards.

##### **5. Authentication**

1. **Login Page:**

Show a Login page with a form, so that the user can Log in this application.

* Show a Title for Login.
* Form with the following fields
  + Email,
  + Password,
  + Forget Password,
  + Login button

**If the user logs in successfully then**

* navigate him to his desired Route or Home page.
* If not, show him an error with a toast/error message anywhere in the form.

**There will be some other options like**

* Show the user a Link for Signup so that he can go to the Signup page.
* Show users a Social Login Button ( Google only ) . on Clicking it:
  + user authenticates with Google
  + Navigate him to his desired Route or Home page. **(Don’t Miss it)**

1. **Signup Page:**

Create a signup page with a form, so that the user can signup himself in this application.

* Show a Title for signup and a Form with the following fields
  + (Name, Email, Photo-URL, Password & Register Button )

**If the user sign up successfully then**

* navigate him to the Home page.
* If not, show him an error with a toast/error message anywhere in the form.

**Implement password validation**

For password validation, you need to follow the below criteria. Show a password error in the form, and don't Register for an invalid password

* Must have an Uppercase letter in the password
* Must have a Lowercase letter in the password
* Length must be at least 6 character

**There will be some other options like**

* Show the user a Link for Login so that he can go to the Login page.
* Show users a Social Login Button ( Google only ) . on Clicking it
  + User authenticates with Google
  + Navigate the user to the Home page. (Don’t Miss It)

**💡Don’t implement the email verification method as it will inconvenience the examiner. If you want, you can add these after receiving the assignment result.**

##### **6. My Profile Page**

Design this page as you wish, but:

* Show user data
  + User Name
  + User Email
  + User Image
  + Update Profile Button

### **Other Requirements**

Add 1 more extra section in the homepage. The section should be relevant to this website.

* You can get ideas of this section by browsing similar real world applications or take help from AI for idea generation only.

### **Challenges**

1. There is a Update profile button in the My Profile page. Make this button functional by allowing users to update their profile info: **Name, Image** using updateProfile() method.
   * On clicking the Update profile button, You can take the user to a different page or show the user a profile update form in the same page (My Profile).
2. Make your forgot password feature functional. Redirect the user to the forget password route by clicking forget password. Which will contain a form with an email field and a reset password button.
   * If a user fills in the email input on the login page. Show the email also in the forget password form.
   * On clicking the reset button. Redirect the user to Gmail.
3. In the Login and Signup page, implement a password toggle eye button inside the password input field.
4. Use at least any 3 npm package from the following packages:
   * [AOS Package](https://www.npmjs.com/package/aos)
   * [Animate.css](https://animate.style/)
   * [React-Spring](https://www.react-spring.dev/docs/components/parallax)
   * [react-hot-toast](https://www.npmjs.com/package/react-hot-toast)
   * [swiper](https://www.npmjs.com/package/swiper)