**Parth & Gang Documentation and Work Log**

1. **Team members:** Parth Sahani, Om Tellur, Chandesh Dubey, Akash Chauhan
2. **App name:** SkillSwap
3. **Topic:** Skill Exchange & Mentorship Platform
4. **Description:** Survey candidates' interest in teaching/learning skills. Store student profiles, skills (dynamic fields), and mentorship sessions in NoSQL to support flexible matching.
5. **Technologies used:** HTML, CSS, JS, Firebase Firestore Database
6. **Approach to solve the problem:**

* Authenticate users with Firebase Auth.
* Store profiles, skills, and requests in Firestore.
* Show other users dynamically and handle connection requests in real-time.
* Enable chat between connected users with live messages.
* Handle errors and redirect unauthenticated users.

1. **How is the problem solved ?**

* Used Firebase Authentication to verify users and protect pages.
* Stored user profiles, skills, connection requests, and chats in Firestore.
* Implemented real-time listeners to show other users, incoming requests, and live chat messages.
* Managed profile updates, request acceptance/rejection, and chat creation dynamically without page reloads.
* Added error handling and redirect logic for missing or unauthorized users.

1. **Individual roles:**

Parth: Development

Om, Chandresh, Akash: Research and recommendations

1. **Date submitted:** September 15th, 2025
2. **Work log:**

| **Work Log** | **Parth** | **Om** | **Chandresh** | **Akash** |
| --- | --- | --- | --- | --- |
| Saturday  (13th September) | Research and Development | Research | Research | Research |
| Sunday  (14th September) | Development | N/A | N/A | N/A |
| Monday  (15th September) | Development | N/A | N/A | N/A |

1. **Github Link:** <https://indianworldruler.github.io/SkillSwap/>
2. **Repository Link:**

[**https://github.com/Indianworldruler/SkillSwap.git**](https://github.com/Indianworldruler/SkillSwap.git)