

# Sprint 1 Submission: SkillSwap

**Group Name: Packet Sniffers**

**Group Members:**

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- **Omar Akram** - AKR22614283
- **Luqmaan Ahmed** – AHM23588821

Sprint 1 Submission: SkillSwap 1

Group Name: Packet Sniffers.....	1
Group Members:.....	1
Project Description.....	2
Project Name: SkillSwap.....	3
Core Features:.....	3
Why This Idea?.....	3
Code of Conduct.....	3
Personas.....	3
Persona 1: Emily (Learner & Teacher).....	3
Persona 2: Ahmed (Professional & Mentor).....	4
Meeting Minutes.....	4
Submission Checklist.....	7

## Project Description

### Project Name: SkillSwap

SkillSwap is a **peer-to-peer skill exchange platform** that allows users to share knowledge and skills without monetary transactions. Users can **offer a skill** they are proficient in (e.g., coding, photography, fitness training) and **request a skill** they want to learn (e.g., language learning, cooking, graphic design). This platform fosters community-driven learning and mutual aid.

### Core Features:

1. **User Registration & Profile Management** - Users sign up and list their offered and desired skills.
2. **Skill Posting & Search** - Users post skills and search for available matches.
3. **Matching & Messaging** - Users connect with others to arrange knowledge exchanges.
4. **Reputation System (Future Expansion)** - Users leave feedback on skill exchanges.

### Why This Idea?

**Easy to Build** - Simple skill-matching system with basic CRUD operations.

**Addresses the Theme** - Encourages sharing, learning, and collaboration.

**Scalable** - Can expand with scheduling, AI recommendations, or video sessions later.

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### Code of Conduct

1. **Respect All Members** - No discrimination, harassment, or inappropriate behaviour.
2. **Commit Regularly** - Each member should contribute code, documentation, or testing.
3. **Communicate Issues** - Use GitHub Issues and team meetings to discuss problems.
4. **No Plagiarism** - All work must be original or properly cited.
5. **Security & Ethics First** - Protect user data and prioritise inclusivity.

## Key Ethical Issues in SkillSwap

### 1. Privacy & Data Protection

- a. Users share personal information, which must be securely handled to prevent data breaches and unauthorized access.

### 2. Misrepresentation & Fraud

- a. Some users may exaggerate or falsify their skills, leading to ineffective exchanges. A verification or review system can help maintain credibility.

### 3. Harassment & Inappropriate Behaviour

- a. Users may face discrimination, harassment, or offensive behaviour. A strong reporting system and community guidelines should be in place.

### 4. Exploitation & Unequal Exchanges

- a. Some users might take advantage of others by demanding more than they offer. Clear guidelines should ensure fair and balanced skill exchanges.

These key concerns help maintain trust, fairness, and safety within the platform

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## Personas

### Persona 1: Emily (Learner & Teacher)

#### Description

Emily is a 22-year-old university student studying business. She enjoys learning new skills that will enhance her career prospects.

#### Goals

- Learn coding to improve job opportunities in the business and tech industries.
- Expand her knowledge in different fields to become more well-rounded.

#### Challenges

- Lacks technical background in programming.
- Finds it hard to get personalized guidance.

### Persona 2: Ahmed (Professional & Mentor)

#### Description

Ahmed is a 30-year-old data analyst with years of experience working with business intelligence tools. He is passionate about professional development and learning new hobbies.

### Goals

- Improve his photography skills for personal and professional use.
- Meet like-minded individuals to share knowledge.

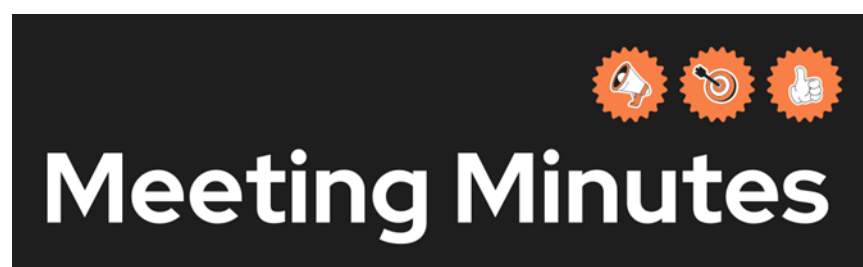
### Challenges

- Limited time due to work commitments.
- Struggles to find structured learning paths for photography.

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### Meeting Minutes

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<b>Date and Time</b>	06/02/2025 14:00 To 16:00
<b>Project Name</b>	Skill Swap
<b>Meeting Goal</b>	<ul style="list-style-type: none"><li>• Set up group name, project name and idea</li><li>• Work on the GitHub repository</li><li>• Complete Sprint 1</li></ul>

<b>Facilitator</b>	The group planned out that the tasks were to be split up equally between the group of 4 therefore tasks were carried out simultaneously with maximum efficiency.
<b>Note taker</b>	Abdalla Ali – ALI23614410
<b>Attendees</b>	<ul style="list-style-type: none"> <li>· Abdalla Ali – ALI23614410</li> <li>Samatar Warsama - WAR23614418</li> <li>Omar Akram – AKR22614283</li> <li>Luqmaan Ahmed - AHM23588821</li> </ul>
<b>Roundtable Updates (each group member to contribute)</b>	<p>Abdalla Ali: Completed repository setup and ensured all members had access.</p> <p>Omar Akram: Worked on initial documentation including personas and ethical considerations.</p> <p>Luqmaan Ahmed: Created the initial scaffolding files and ensured proper GitFlow branching.</p> <p>Samatar Warsama: Created a Kanban Board and Product Backlog. Assigned initial tasks to everyone</p>
<b>Discussion points</b>	<p>Ensuring all group members understand GitHub workflow and are able to run docker</p> <p>Addressing any technical difficulties in setting up the local environment.</p> <p>Finalizing the Sprint 1 documentation before submission.</p> <p>Discussing additional features for future sprints.</p>

<p><b>Actions (list tasks and assign a group member)</b></p>	<p>GitHub Repository set up and one commit and running the development environment using Docker from everyone.</p> <p>Samatar Warsama: Create Product Backlog and kanban board in GitHub</p> <p>Adding branches for GitFlow workflow created - includes `master`, `develop`, and `release` branches by Luqmaan Ahmed.</p> <p>Project description refined , Code of Conduct, at least two 'Personas', Ethical issues identified, Meeting records completed by Samatar Warsama .</p> <p>Scaffolding files added to GitHub and README file customised for your project by Abdalla Ali.</p>
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## GitHub Repository Setup

- **Repository Name:** SkillSwap
- **Branches Created:** master, develop, release
- **Kanban Board:** Created with backlog tasks.
- **Initial Commits:** Each member contributed at least one commit.

## [Github Repository Link](#)

## Docker Setup

- Development environment set up with **Docker** to ensure consistency.
- All team members tested local environment setup successfully.

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## Submission Checklist

- **GitHub repository with commits from each member**
- **Product backlog and Kanban board on GitHub**

- Scaffolding files and customised README.md
- GitFlow workflow implemented
- Docker environment successfully tested
- PDF document completed and ready for submission