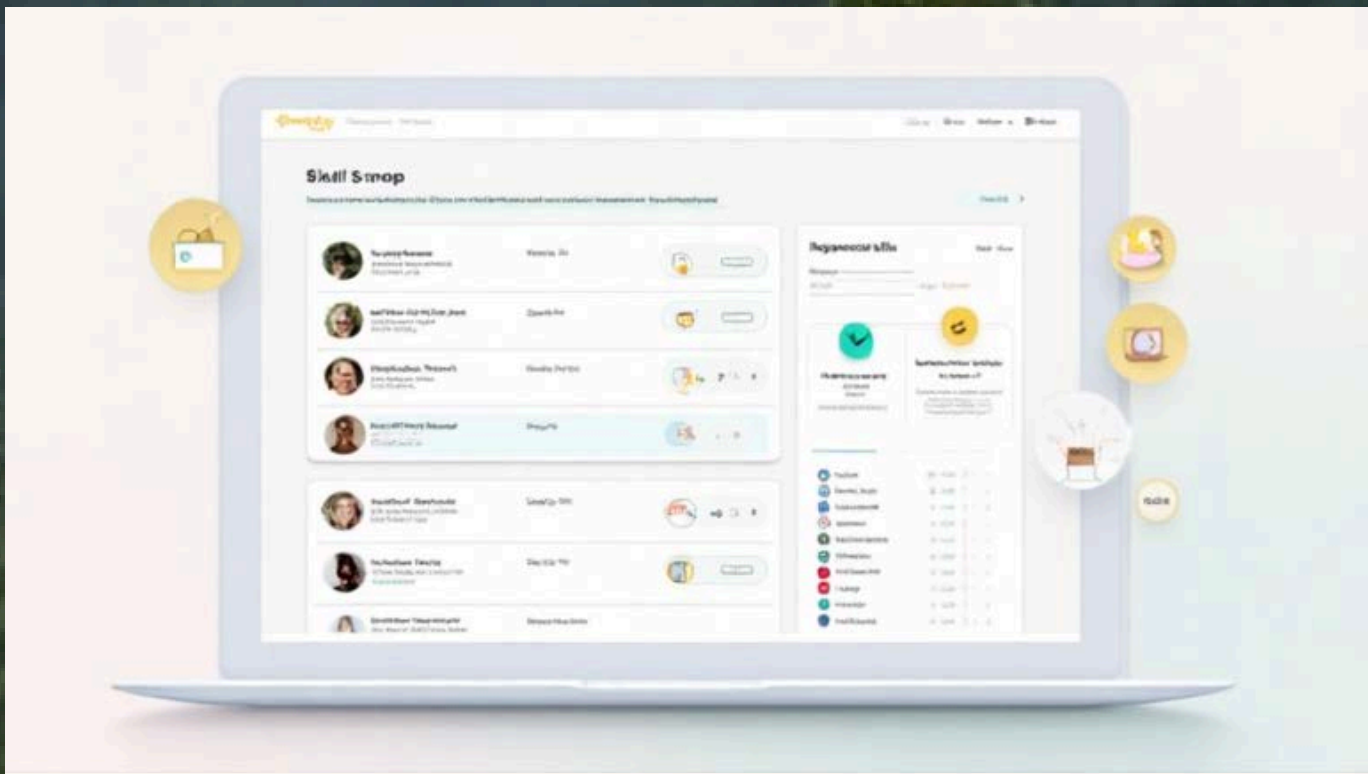# Skill Swap Platform

Presenter: Team Shivamyraj24

Project Overview and Objectives

The platform enables users to list skills they offer and request skills they want, promoting learning and collaboration without monetary exchange.
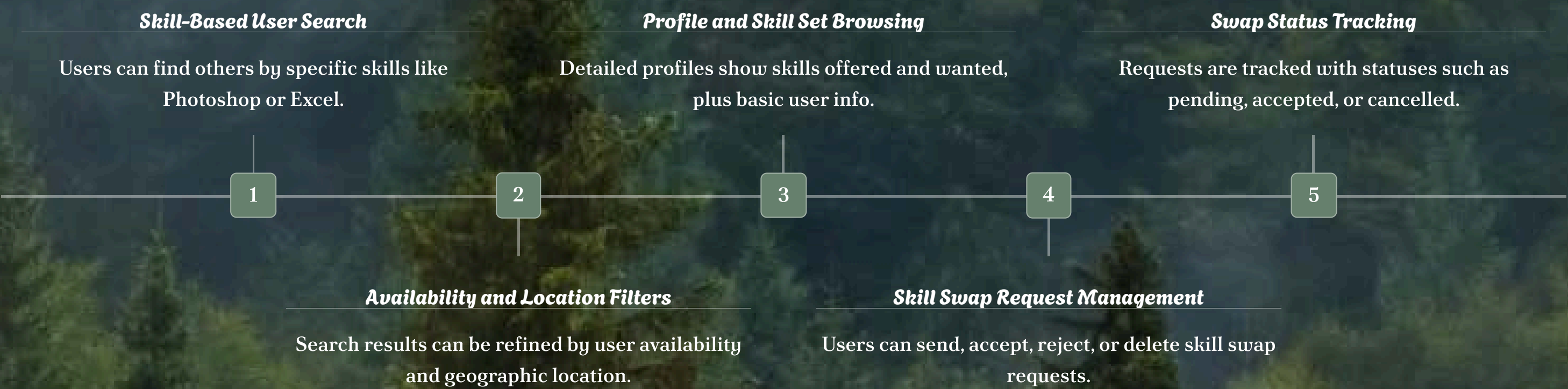
User Profile Features

1   *Basic Information*

Users provide Name, optional Location, and can upload a Profile Photo.

2   *Skills Offered & Wanted*

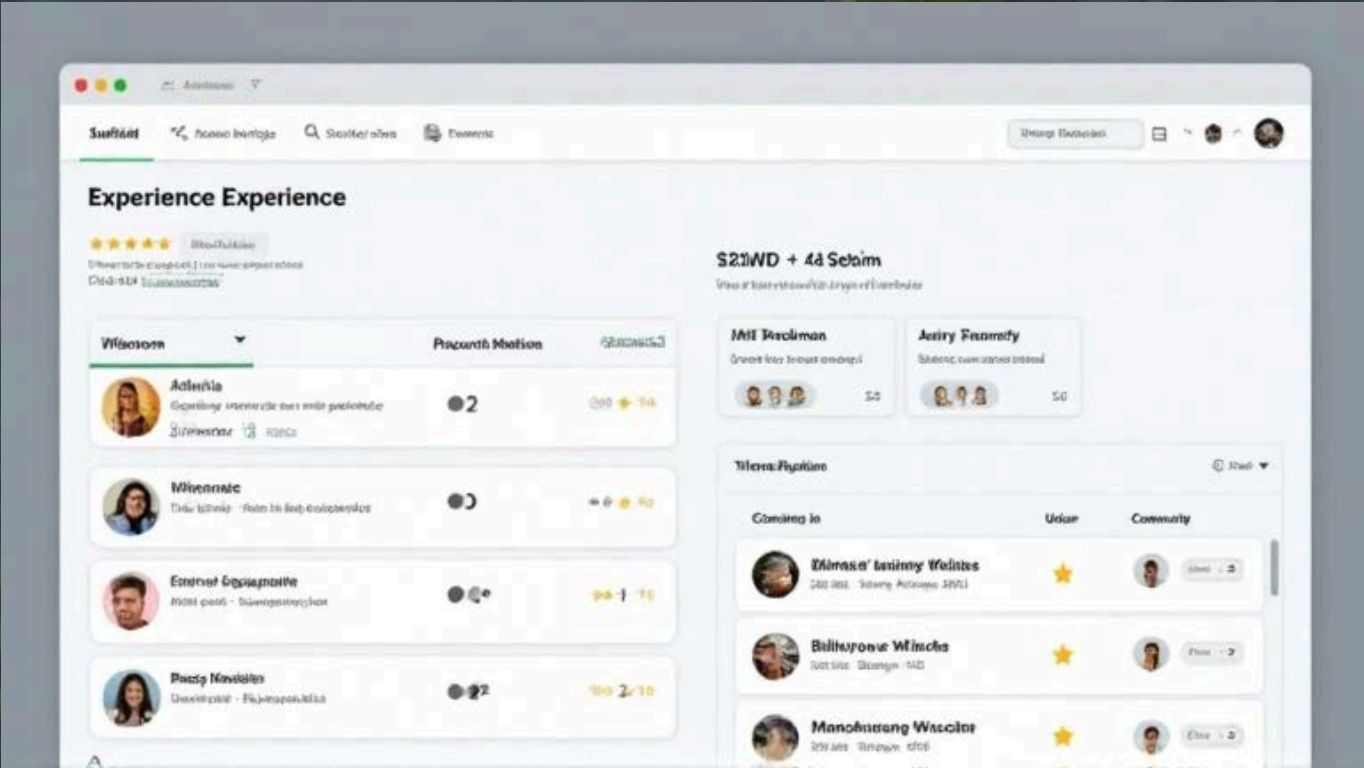Profiles specify skills users offer and want, enabling clear exchanges.

3   *Availability Settings*

Users set availability times like Weekends or Evenings for scheduling.

4   *Profile Visibility*

Users control profile visibility as Public or Private for privacy.

Skill Search, Discovery, and Swap Requests

Skill-Based User Search

Users can find others by specific skills like Photoshop or Excel.

Profile and Skill Set Browsing

Detailed profiles show skills offered and wanted, plus basic user info.

Swap Status Tracking

Requests are tracked with statuses such as pending, accepted, or cancelled.

1   2   3   4   5

Availability and Location Filters

Search results can be refined by user availability and geographic location.

Skill Swap Request Management

Users can send, accept, reject, or delete skill swap requests.

Ratings, Feedback, and Trust Building

Skill Swap Experience Ratings

Users rate their skill swap experiences post-transaction, ensuring accountability and continuous community improvement.

User Feedback and Platform Quality

Detailed user feedback fosters constructive interactions and helps identify top contributors to enhance platform trust and quality.

Admin Features and Platform Management

Skill Quality Control — 1

Administrators can reject inappropriate or spammy skills to maintain platform quality.

2 — User Policy Enforcement

Admins have the authority to ban users who violate platform policies.

Swap Activity Monitoring — 3

Admins monitor the status of skill swap requests to oversee platform activity.

4 — Global Communication

Administrators send global messages to all users for updates and alerts.

Data-Driven Reporting — 5

Admins download activity and feedback reports to support decision-making.
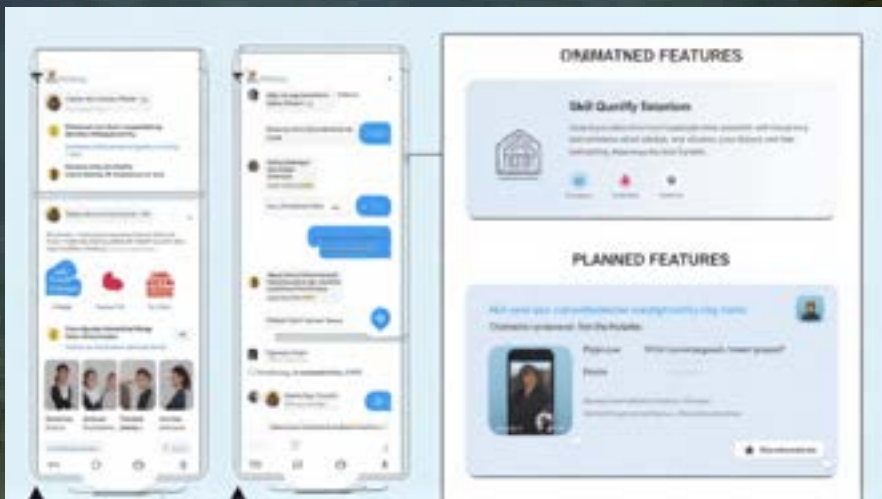
Technology Stack Overview

1

Frontend Technologies

The frontend uses HTML, CSS, and JavaScript with React to create dynamic and interactive user interfaces across devices.

2

Backend Frameworks

Backend supports Node.js for scalable applications, Django for rapid Python development, and PHP for broad hosting compatibility.

3

Database Options

Data management includes MongoDB for NoSQL, MySQL for relational data, and Firebase for real-time database integration.

4

Hosting Solutions

Hosting choices are Firebase for serverless backend, Vercel for frontend optimization, and Heroku for multi-backend support.

Benefits of the Skill Swap Platform

- Cost-Free Learning : Acquire new skills without any financial investment.
- Network Expansion : Broaden professional and creative connections effectively.
- Foster Collaboration : Promote active community cooperation and teamwork.
- Practical Skill Development : Enhance abilities through hands-on experience and practice.

Future Enhancements and Conclusion

Planned Features for Enhanced User Interaction

Future updates include an in-app chat for direct communication, skill certification badges, and video tutorials linked to profiles to support learning.

Development of Mobile Application

A mobile app version is planned to increase accessibility and engagement by enabling platform use on smartphones and tablets.

Integration of AI-Based Skill Recommendations

AI will be used to suggest relevant skills based on user profiles and swap history, enhancing personalized learning opportunities.

Thank You

Contact :mburdak626@gmail.com
Sparshkumar10g@gmail.com
gaurkuldeep418@gmail.com
shivamyraj24@gmail.com