

SOFTWARE ENGINEERING FINAL PROJECT

SKILLSWAP

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CRITICAL COMPONENTS

How SkillSwap operates



SKILL EXCHANGE

Users can offer to teach a skill they are proficient in to support their learning in another area.

Eg. Person A teaches B how to code in C++ while B teaches A how to code in Python



SERVICE EXCHANGE

Users can put one-time service in exchange for other one-time services.

Eg: A graphic designer requiring their fridge repaired gets it done for free by the local repair shop and in return designs a logo for them

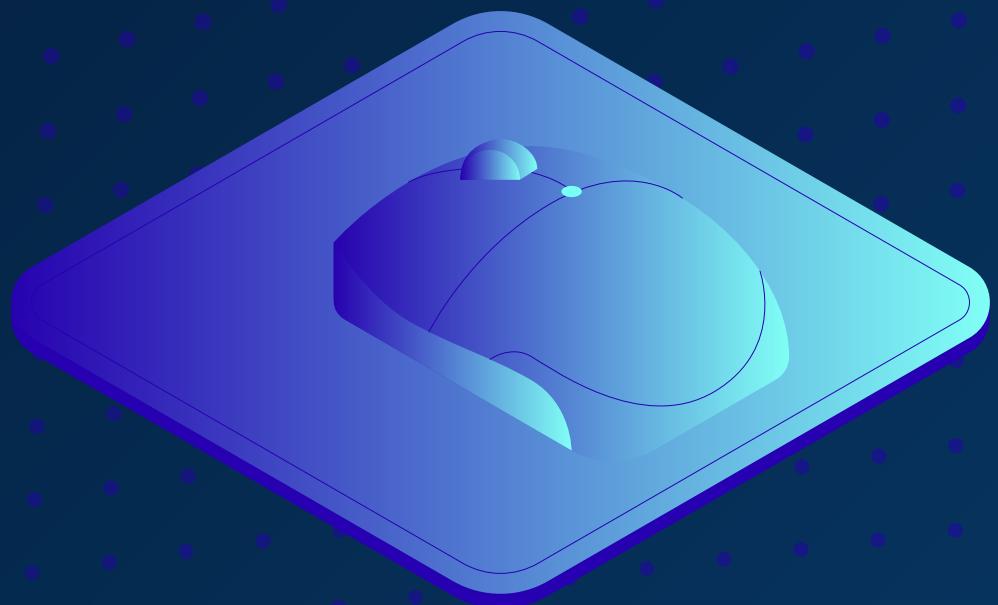


VISION

SkillSwap aims to promote accessible collaborative learning free of cost. We want to foster a sense of community and collaboration by connecting individuals based on shared skills and interests.

MISSION

Our solution is a community driven approach to learning cutting-edge, future-proof skills for seamless adaptability and enhanced learning transferability.



TARGET AUDIENCE



**STUDENTS/
EDUCATORS**



**INDEPENDENT
PROFESSIONALS
(FREELANCER/REMOTE
WORKER)**



**COMMUNITY
BUILDERS**

SOFTWARE REQUIREMENTS

**USER
AUTHENTICATION
/PROFILE**

**SKILL LISTINGS/
MATCHMAKING**

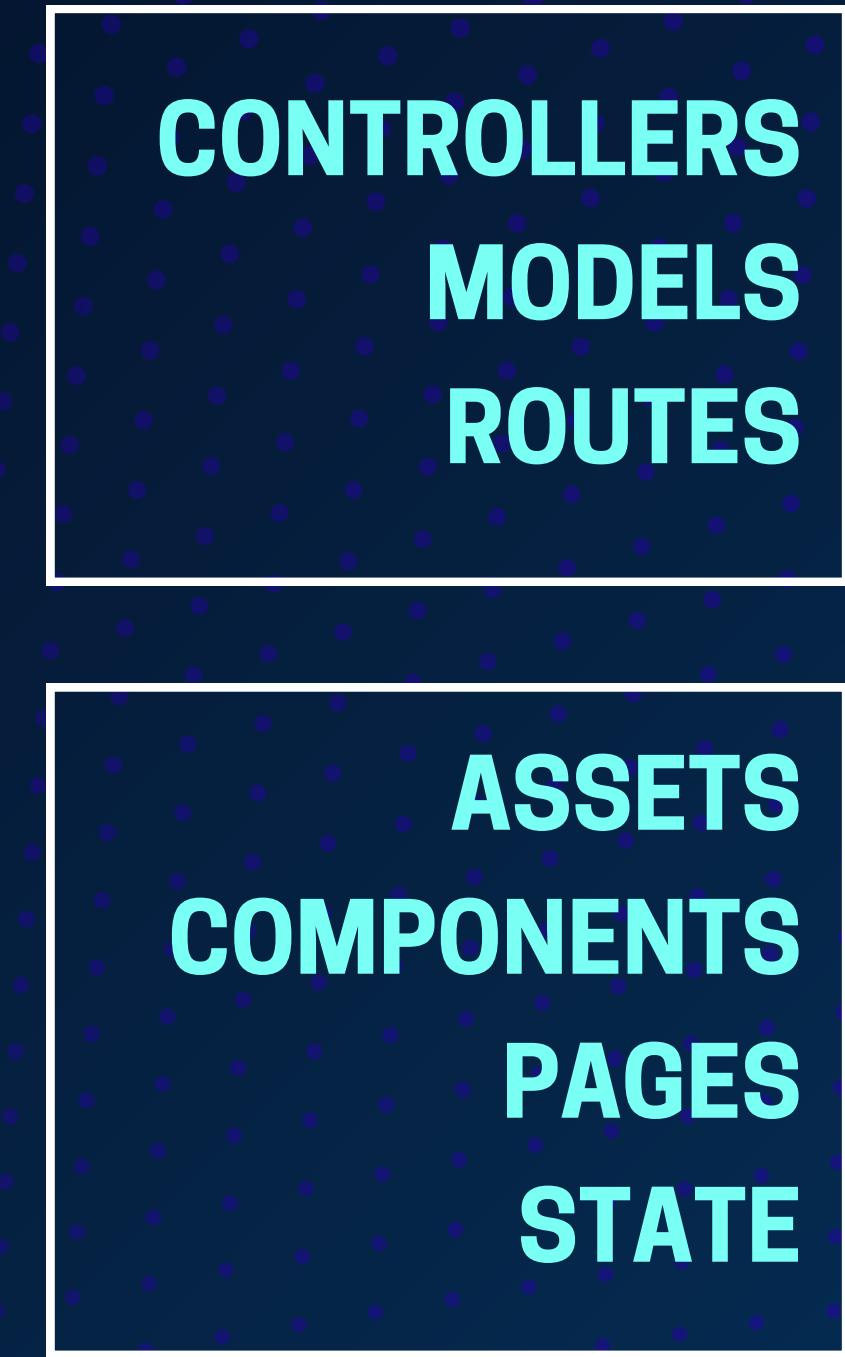
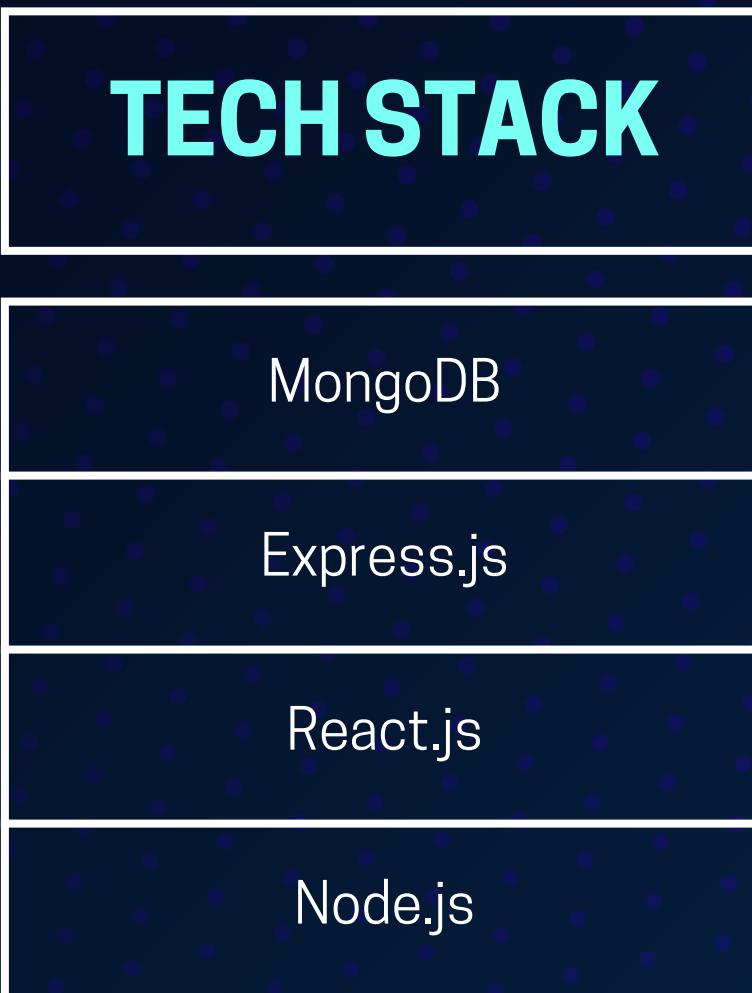
**REVIEW AND RATING
SYSTEM**

**LEARNING
PLANS**

**USER
DASHBOARD**



TECHNICAL FRAMEWORK



Backend
Structuring

Frontend
Structuring

SPRINT CYCLES

SPRINT 1

Project infrastructure, wireframes, and initial documentation.

SPRINT 2

User authentication, foundational UI, and API planning.

SPRINT 3

Enhanced search functionality, messaging interface, and API development.



SPRINT CYCLES

SPRINT 4

Rating system, skill exchange interface, and API integration

SPRINT 5

Comprehensive testing, preparing for deployment, and addressing final refinements.



How the work was divided

TEAMWORK

HAYA	ZAINAB	DUA	RANIA
Role of Scrum Master for sprint	Role of Developer	Role of Designer	Role of Product Owner
Front End Development	Backend Development	Wireframes	Wireframes
Front and Back Integration	Backend Testing	Front End Development	JIRA
Documentation	Documentation	Documentation	Documentation



THANK YOU!

