Skquid

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I. Project Summary

Skquid is an online platform designed to connect people through shared knowledge and mutual learning. Instead of traditional monetary exchange, users trade skills, turning their expertise into "currency". With Skquid, users are able to showcase their skills through personalized profile tags, search for others with specific skill sets, and connect seamlessly through an in-app chat to arrange meet-ups. Our customers can also showcase their interests by displaying the skills they're eager to learn, allowing for meaningful connections and collaborative growth. Whether you are looking to meet people with similar interests, or explore local events focused on a particular skill, Squid is your go-to hub for skill-sharing and community engagement.

II. Personas

1.   Bob is a glassblower and wants to teach his special craft to others, while also being able to learn something else he doesn't know how to do.
2.   Jose is an extrovert, and wants to meet new people he can hang out with who enjoy similar hobbies as him.
3.   Janet is a renaissance person - she loves having proficiency in an abundance of different skills. She wants to see what events and workshops are in her area for hobbies she hasn't explored - soap-making, crocheting, BMX, and more.
4.   Geoff is a trendy city-dweller. He uses Skquid to stay up to date with the current trends and get into the latest fads.

III. Intended Technologies

Frontend: HTML, CSS, JS
Backend: MongoDB, Express.js, React.js, Node.js, JSON
API: Websockets

IV. Functional Requirements

On their personal profile page, users will be able to share a list of services they offer, subscriptions they own, and friends they have added on the Skquid platform. Additionally, users can add or delete a service, subscription, or friend from their account on this page. On the messages page, users will be able to view a list of their friends. Here, users can also click on a specific friend, and start chatting with them. On the search page, users will be able to explore a variety of profiles, and discover the unique

skills offered by each individual. Users will also be able to search by username or by skill. Moreover, once a service is clicked, a popup will be displayed, which will showcase an image of said skill, along with a description of the service. Finally, our admins will have the privilege to remove services under extenuating circumstances.

V. Non-functional Requirements

The website will utilize React and CSS in order to provide a user-friendly interface for our customers. By utilizing Javascript to fetch data from our MongoDB database, our users will be able to dynamically view their saved information (i.e. services, subscriptions, and friends). Javascript and MongoDB will also be utilized for supporting dynamic addition and deletion of services, subscriptions, and friends.
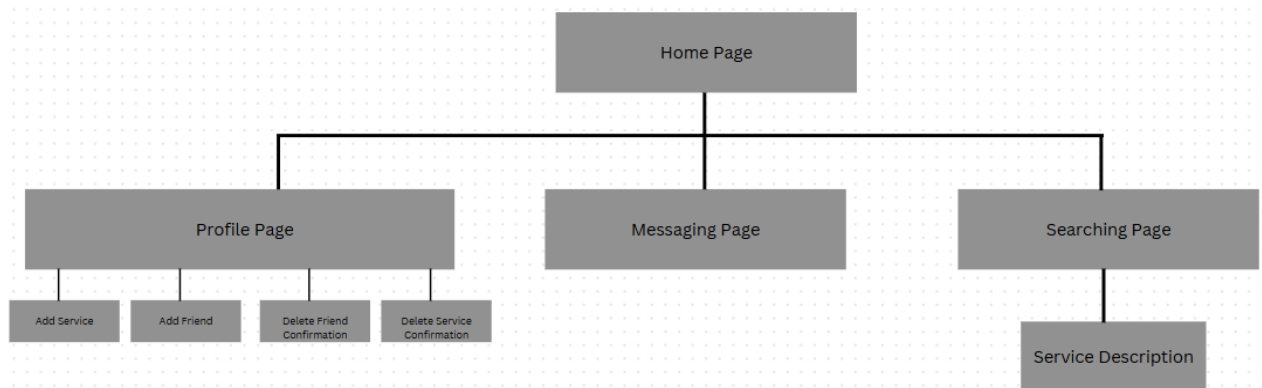
For real-time communication between users, we will utilize the WebSocket API, allowing for smooth interactions between our customers. React and CSS will be used to display these messages in an aesthetically pleasing, and intuitive manner.

To allow users to view the various services offered by Skquid, Javascript, React, and CSS will be employed to dynamically load and display the services. These technologies will also be used when displaying the popup description of each service.

VI. Timeline

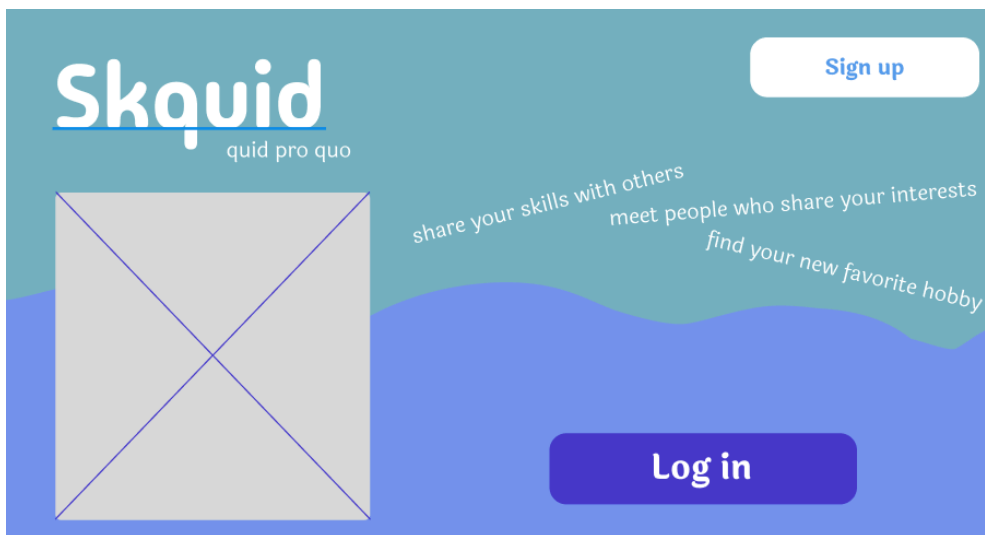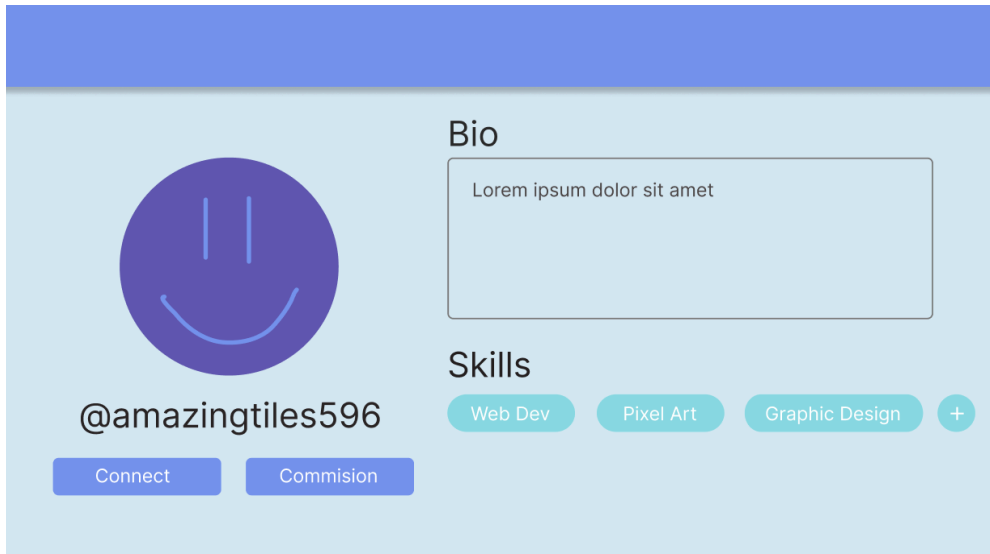| Milestone	Status	End Date
Project proposal	Almost complete	January 24th
Login and signup	Not started	February 5th
Home page complete	Not started	February 13th
Profile page complete	Not started	February 20th
Midterm presentation	Not started	February 25th
Search page complete	Not started	March 15th
Messages page complete	Not started	March 27th
Final presentation	Not started	April 15th

VII. Site Map

Upon opening the website, users will be taken to the home page, which will show links to the profile page, messaging page, and searching page. Within the profile page, users will be able to add a service, add a friend, delete a friend, and delete a service. Within the searching page, users will be able to click on displayed services, in order to view a description of said service.
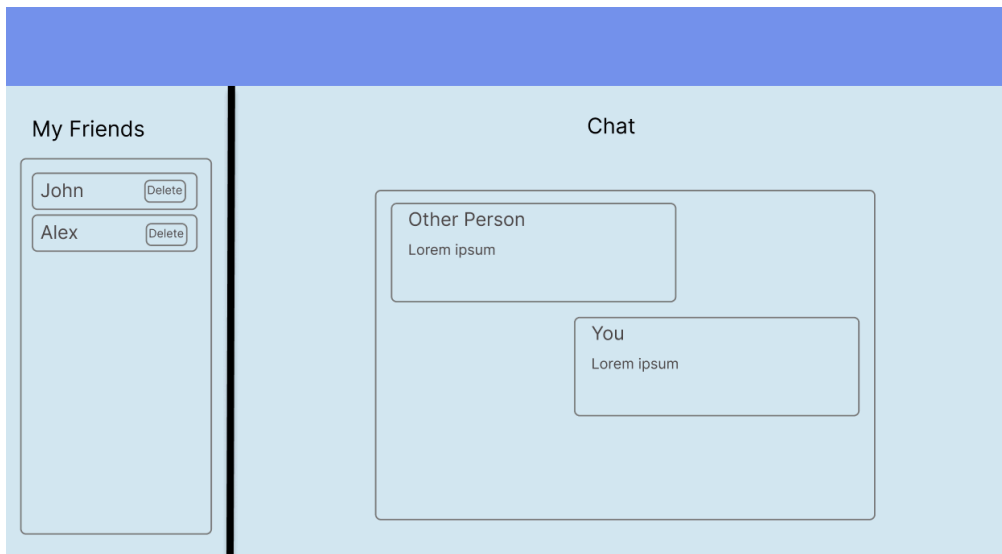
VIII. Figma Mockups

Home

Profile

Bio

Lorem ipsum dolor sit amet

@amazingtiles596

Connect   Commision

Skills

Web Dev   Pixel Art   Graphic Design   +

Messages

My Friends

John   Delete

Alex   Delete

Chat

Other Person

Lorem ipsum

You

Lorem ipsum

IX. Proposal Video 🔗

X. Presentation Slides 🔗