Skquid

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Agenda

1. Our Purpose
2. User Authentication
3. The User Home Page
4. The User Profile
5. Skquid Search
6. Skill Exchanges
7. Project Reflection
8. Project Demo

What's happening on Skquid?

- Social platform based on mutual exchange
- Express yourself through what you love
- Teach others something you're passionate about
- Learn new skills and connect with others
- Make friends through common interests
- Host and participate in skill gatherings

Your friends on Skquid | MEET OUR USERS

Tessa Glistel

Avid glassblower, eager to share her craft

Loves baking but wants to get better at cake decorating

Victor Ley

College junior, majoring in CS

Needs to learn Swift ASAP for his class term app project

Nori Annova

FRC alumna, looking to share her CAD, engineering skills with others in her community in hopes of recruiting them for her recreational robotics team

Dorian Bennett

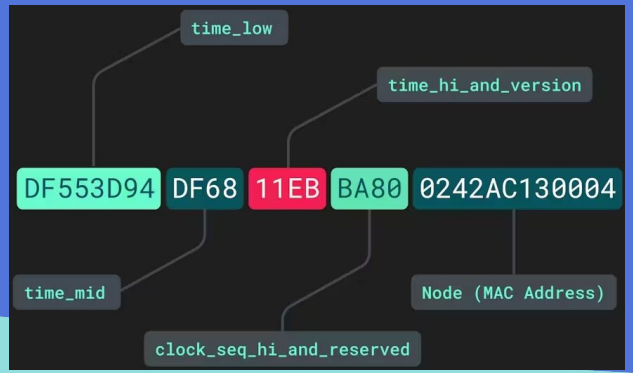
Versatile multi-instrumentalist devoted to helping others with music

Hosting a public workshop focused on music production and creative sound design

Our Implementation of Skquid

User Authentication

- Input Validation
- Session Management
- User Features when Logged in vs. Logged out
- User Data Protection
  - Password Hashing
  - Foreign Keys

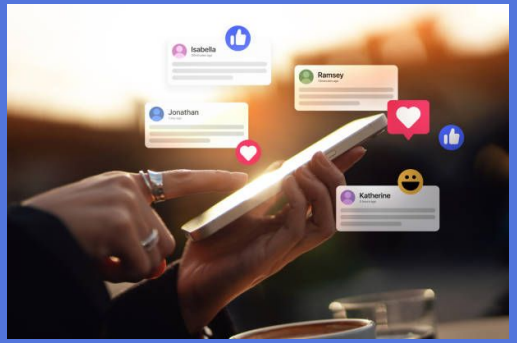


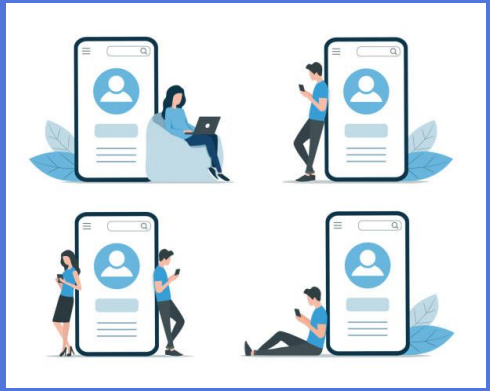
The User Home Page

- Toggleable Information Divider
- Friend Display
- Create Events
- Recommended Events
- Friend Request Management

The User Profile

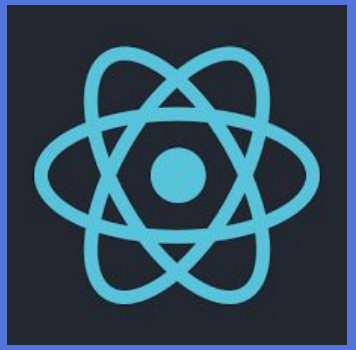
- Edit Profile
- Edit Skills
- Profile Display
- Skill Display
- Profile Linking
- Share Profile
- Profile Buttons
- Friend Count





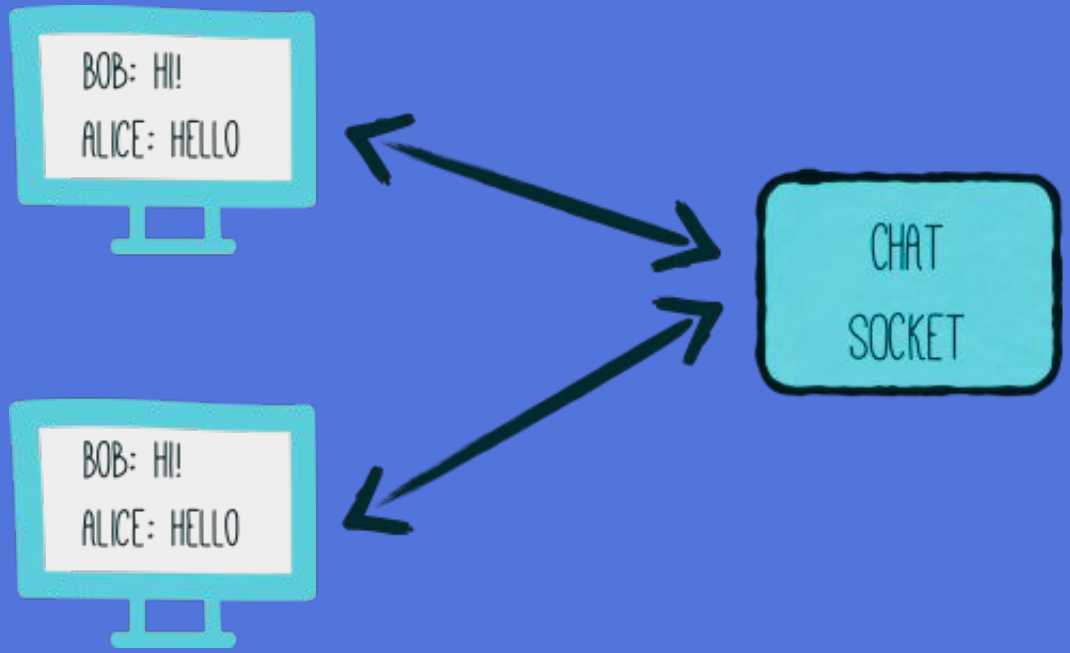
Skquid Search

- Search by Username or name
- Search by Skill
- Search by Event
- Profile Integration
- Add Events
- View Profile from Search



Skill Exchanges

- Websockets
- Sending Messages
- Saving Messages
- Opening Chats
- Autoscroll



Development Obstacles

- Transitioning to Mongo with an efficient, consolidated collection of userdata
- Collaborating and merging dependent deliverables on-time
- Organizing data schemas across multiple pages and components
- Transitioning to Azure VM Server

Sprint Review

FRONTEND

PROFILE
MESSAGES
LOGIN

SPRINT ONE

JAN 15 - FEB 25

USER
HOME
PAGE
SEARCH

MIDTERM SIGNUP

SESSIONS

MONGO

SPRINT TWO

FEB 26 - MAR 25

EVENTS

SKILL LIST

ACCOUNT RETENTION

SEARCH-PROFILE INTEGRATION

EDIT SKILLS
EDIT PROFILE

SPRINT THREE

MAR 26 - APR 15

FRIENDS

SKILL EXCHANGE

FINAL PRESENTATION

Technologies & Frameworks

Backend

Frontend

Skquid Demo

Future Implementations

- Skill Exchange GUI
- Search Enhancements
- Goals & Achievements
- Reorder Skills on Profile
- Search by Location
- Posts
- Trending Skills
- Active / Inactive / Idle Indicators
- Private Profiles
- Skill Leaderboard
- 404 Page
- Skill Communities
- Profile Picture Upload
- Skills You Might Enjoy
- +100

Any Questions?