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Web Development
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Project Proposal

SkillSharer

Project Description:

“Give a man a fish, and you feed him for a day. Teach a man to fish, and you feed him for a lifetime.” Everyone has talents and skills that they are passionate about, and more times than not, they’re willing to pass it on. The problem is, people don’t have a convenient medium to both broadcast the skills they possess, as well as seek the skills they desire to learn. My project will make a strong attempt to solve this problem. I will build an online platform to match Mentors wishing to share their skills with Apprentices looking to learn them.

This project is influenced by a number of factors, but borrows heavily from the concept of Airbnb. My proposed webapp will have two main interfaces. One interface for “Apprentices” to manage and groom sought skills, and another interface for “Mentors” to manage the skills they are offering to the community. When a Mentor and Apprentice are matched, both are notified and connected. It is important to note that any individual person can be both an Apprentice and a Mentor. Similar to Airbnb’s host/customer interfaces, the webapp will easily convert from one interface to another at the click of a button.

Actors:

- Mentor:

A Mentor is an individual who has a skill(s) that he/she would like to share with others.

Mentors can add new skills, edit their current skills, as well as delete skills they no longer wish to share. Mentors can leave feedback on any of the Apprentices they meet with.

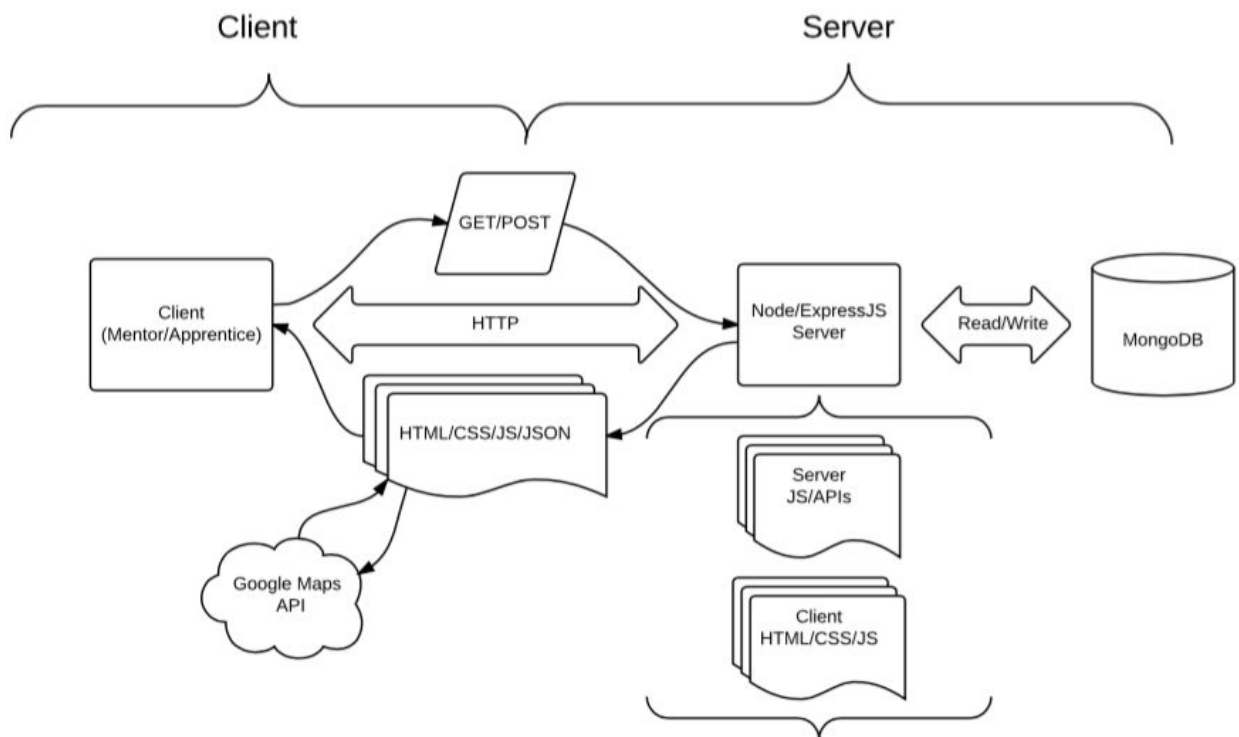
Likewise, they can review any feedback Apprentices have given them. Mentors can

manage their profile and preferences, to specify for example, when and where they are willing to meet (Skype, coffee shop, weekends, etc).

- **Apprentice:**

An Apprentice is an individual who seeks a skill(s). Like a Mentor, an Apprentice can add desired skills, edit the current skills they are looking for, and delete a skill if they no longer wish to learn it. An Apprentice can view feedback given to them by their Mentors. Again, like Mentors, Apprentices can manage their profile and preferences (city, maximum distance willing to meet, etc)

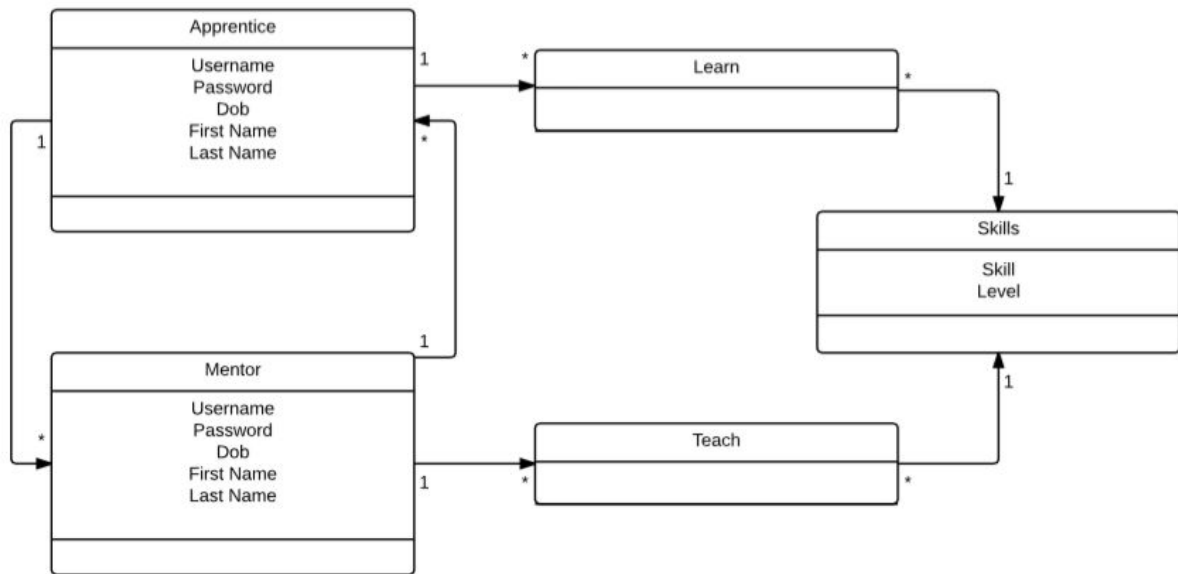
Architecture:



Use Case Analysis:

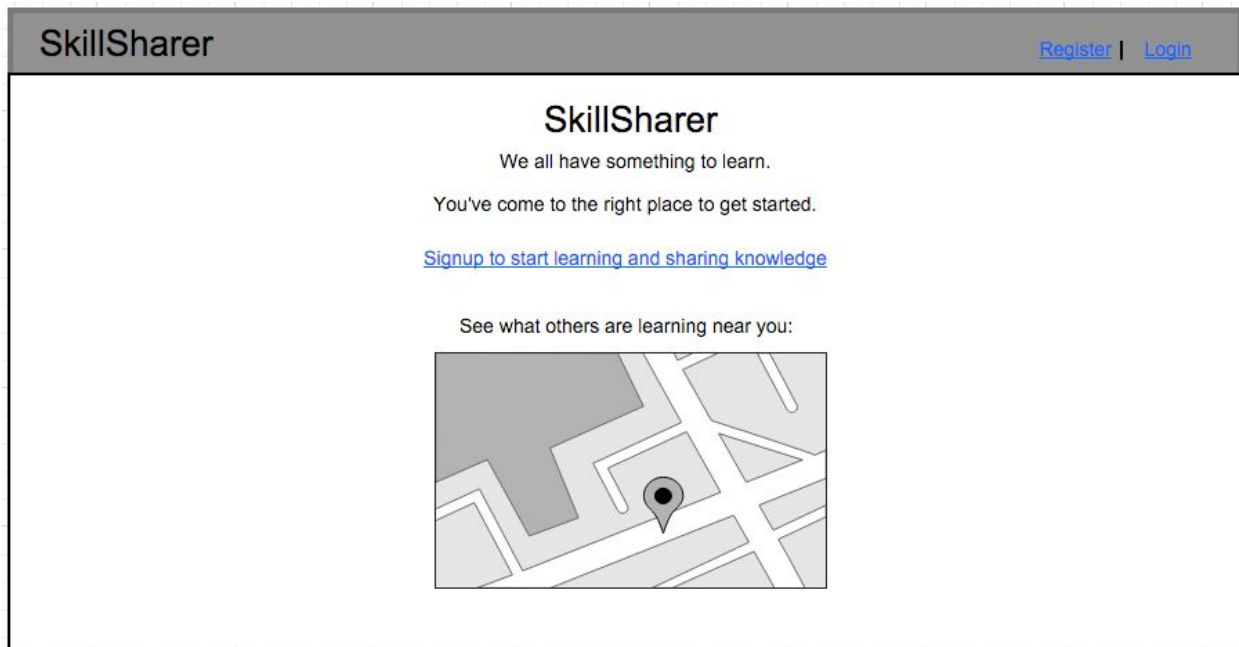
- Common uses for both Mentors and Apprentices
 - Add skill
 - Navigate to Profile page/table
 - Fills out new-skill form
 - Submits new-skill form
 - Update skill
 - Navigate to Profile page/table
 - Clicks edit button on the respective skill
 - Edits the form information for that skill
 - Submits form to update skill
 - Delete Skill
 - Navigate to Profile page/table
 - Clicks delete button on the respective skill
 - Confirms deletion
 - Log a Meetup
 - Navigate to Meetups page/tables
 - Fills out form
 - Submits form
 - Leave Feedback:
 - Navigate to Meetups page/table
 - Selects desired meetup
 - Clicks rate button
 - Submits feedback form
 - Update Profile
 - Navigate to Profile page
 - Clicks edit button
 - Edits form
 - Submits form
- Mentor use cases
 - View Apprentice matches
 - Navigate to Mentor page
 - Observe Apprentice table
 - Switch to Apprentice mode
 - Clicks “Switch to Apprentice” in sidebar
- Apprentice use case
 - View Mentor matches
 - Navigate to Apprentice page
 - Observe Mentor table
 - Switch to Mentor mode
 - Clicks “Switch to Mentor” in sidebar

Project UML Diagram:



Wireframes:

Homepage-



Login -

SkillSharer

[Register](#)

We all have something to learn.
You've come to the right place to get started.

Login:

Username

Email Address

Submit

[Need to register?](#)

SkillSharer

We all have something to learn
You've come to the right place

Login:

Username

Password

Submit

[Need to register? Start here!](#)

Register -

SkillSharer[Login](#)

We all have something to learn.
You've come to the right place to get started.

Register:

First Name:

Last Name:

Email:

City:

First Name

Last Name

Email

City

About You:

☒ Mentor

☒ Apprentice

Submit

SkillSharer

We all have something to learn
You've come to the right place

Register:

First Name

Last Name

Email


City

Sign up!

Already a member? Login here

Mentor Profile -

SkillSharer



Mentor Profile

Rendezvous

Feedback

Nearby

[Apprentice Mode](#)

About you:

First Name: Bob

Last Name: Smith

Email: bob@smith.com

City: Boston

About You: Hi I'm Bob!

Edit Info

Taught Skills:

▼ Skill	▼ Level	▼ Actions
<div>Add New Skill</div>	<div>Add New Level</div>	□ □ □
Skating	Intermediate	□ □ □
Bird Watching	Advanced	□ □ □
Coding	Career Professional	□ □ □
Yoga	Advanced	□ □ □

About You

First Name: Bob

Last Name: Smith

Email: b@smith.com

City: Boston


About You: Hi I'm Bob

Your Skills:

Skill	Level	Action

Apprentice Profile -

SkillSharer



Apprentice Profile

Rendezvous

Feedback

Nearby

[Mentor Mode](#)

About you:

First Name: Bob
Last Name: Smith
Email: bob@smith.com
City: Boston
About You: Hi I'm Bob!

Edit Info

Sought Skills:

▼ Skill	▼ Level	▼ Actions
<input type="text" value="Add New Skill"/>	<input type="text" value="Add New Level"/>	□ □ □
Skating	Intermediate	□ □ □
Bird Watching	Advanced	□ □ □
Coding	Career Professional	□ □ □
Yoga	Advanced	□ □ □

About You


First Name: Bob
Last Name: Smith
Email: b@smith.com
City: Boston
About You: Hi I'm Bob

Your Skills:

Skill	Level	Action

IMPORTANT: Each of the following mockups will be similar in presentation, but the content will differ depending if you are in Apprentice or Monitor Mode. For example, for the Meetups page, if you are in Mentor mode it will list all meetups in which you act as the Mentor. If you are in Apprentice mode, it will list all meetups in which you act as an Apprentice.

Meetups -

SkillSharer


Profile
Meetups
Feedback
Nearby
[Switch Mode](#)

Upcoming Meetups:

▼ User	▼ Date	▼ Skill	▼ Actions
<input type="text" value="New User"/>	<input type="text" value="New Date"/>	<input type="text" value="New Skill"/>	□ □ □
user1	3/4/16	Salsa Dancing	□ □ □
user2	3/9/16	Nutrition	□ □ □

Past Meetups:

▼ User	▼ Date	▼ Skill	▼ Rating
user3	3/4/15	Gardening	★★★★☆
user4	3/9/15	Oil Changes	★★★★☆

Upcoming Meetups

Meetup 1

Meetup 2

Meetup 3

Meetup 4

Past Meetups

Meetup 1

Meetup 2


Meetup 3

Meetup 4

Feedback -

If in Apprentice mode, view your Apprentice feedback. Likewise if in Mentor mode.

SkillSharer



Profile

Meetups

Feedback

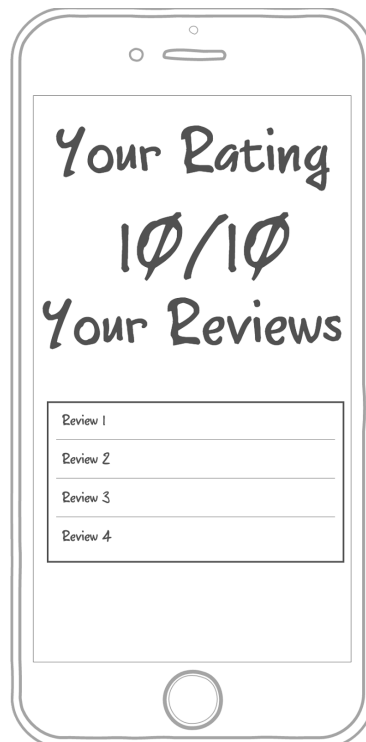
Nearby

[Switch Mode](#)

Overall Rating: ★★★★★

Rating by Skill:

▼ Skill	▼ Rating
Glass Blowing	★★★★★
Kite Flying	★★★★★
Sailing	No Ratings



Nearby -

If in Apprentice mode, search for Mentors. If in Mentor mode, search for Apprentices.

