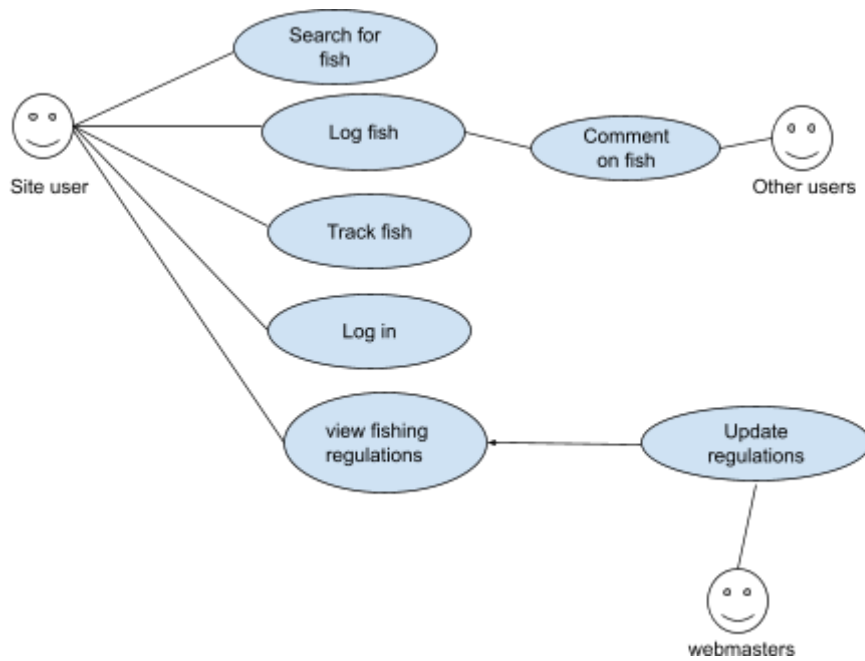


1. **Team Number:** 5
2. **Team Name:** Fish School
3. **Members Name - Github - Email:**
 - a. Aditya Dhar - adidhar - addh4413@colorado.edu
 - b. Michelle Lisowski - mili5269@colorado.edu mwlisowski1@gmail.com
 - c. Claire Ricca - claire-ricca42- clri5131@colorado.edu
 - d. Juan Pleitez - JdP01 - jupl5685@colorado.edu
 - e. Fred Zorgdrager -Fredzorg - frzo5387@colorado.edu
4. **Application Name:** FinLog
5. **Application Description:**

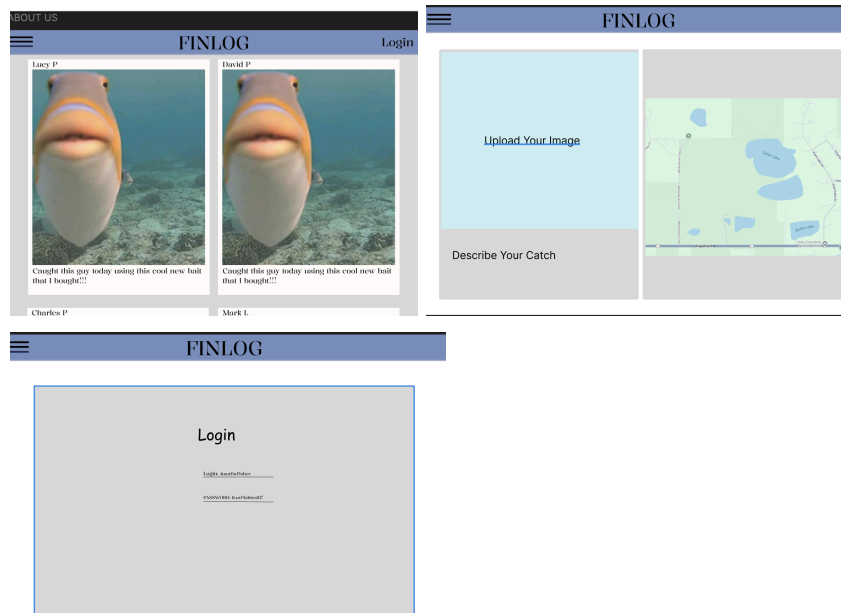
FinLog is a web-based fishing log that allows users to record and track details about their catches, including species, weight, length, and location. Users can log in to view their past catches, analyze patterns, and visualize their fishing activity over time. The app will include an optional AI feature where users can upload a photo of their catch, and GPT will identify the fish species while providing interesting facts or habitat information.
6. **Audience:** Fishing enthusiasts
7. **Vision Statement:** For fishing enthusiasts, who need a platform to record and get information about their catches. FinLog is a webapp that allows you to track fish! Unlike Fishbrain, our product has an optional AI feature to help our audience understand their catches.
8. **Version Control:** github
9. **Development Methodology:** KanBan board on Github Projects tab
10. **Communication Plan:** Teams
11. **Meeting Plan:**
 - a. Team Meeting: Monday after lecture (4:30pm), in person
 - b. TA Meeting: Thurs, 4:45 pm ECCS

12. Use Case Diagram:



13. Wireframes:

https://www.figma.com/team_invite/redeem/nm8uCMZFSplwUir2cXdqFp



Competitors 🤨

<https://www.fishangler.com/>

<https://fishbrain.com/>

<https://www.fishtrack.com/>

Extra credit:

Risks:

1. Data Loss or Corruption

Severity: High

Mitigation Strategy: Implement regular automated database backups and use secure cloud storage. Add validation checks to prevent incorrect or incomplete entries from saving.

2. User Privacy and Security Breach

Severity: High

Mitigation Strategy: Use HTTPS encryption, hashed passwords, and role-based access control. Limit API exposure and follow standard data protection guidelines.

3. AI Misidentification of Fish Species

Severity: Medium

Mitigation Strategy: Clearly label AI results as “estimated.” Allow users to manually correct or confirm species. Continuously retrain the AI model with verified data.

4. Poor App Performance or Downtime

Severity: Medium

Mitigation Strategy: Optimize server requests, cache frequent data, and use a reliable hosting provider with uptime monitoring. Test for scalability with increasing users.

5. Low User Engagement

Severity: Medium

Mitigation Strategy: Add gamification elements like badges, seasonal challenges, and social sharing features. Gather feedback through in-app surveys to guide feature updates.