



Bee Social

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Intro

Inspired by 2020 Asian Giant Hornet outbreak in Washington State

Educate on invasive species → Crowdsourcing identification → eradicate species

Goals:

- ❖ Scientists join as verified users
- ❖ Scientists post information about species
- ❖ Quizzes train how to identify species
- ❖ Locals post images, descriptions, locations, and times of sightings
- ❖ Upvote if positive ID, downvote if negative ID
- ❖ Scientists review upvoted posts first

Requirements

- ❖ Research methods used by Washington State and Canada in 2020
- ❖ Discussion of features

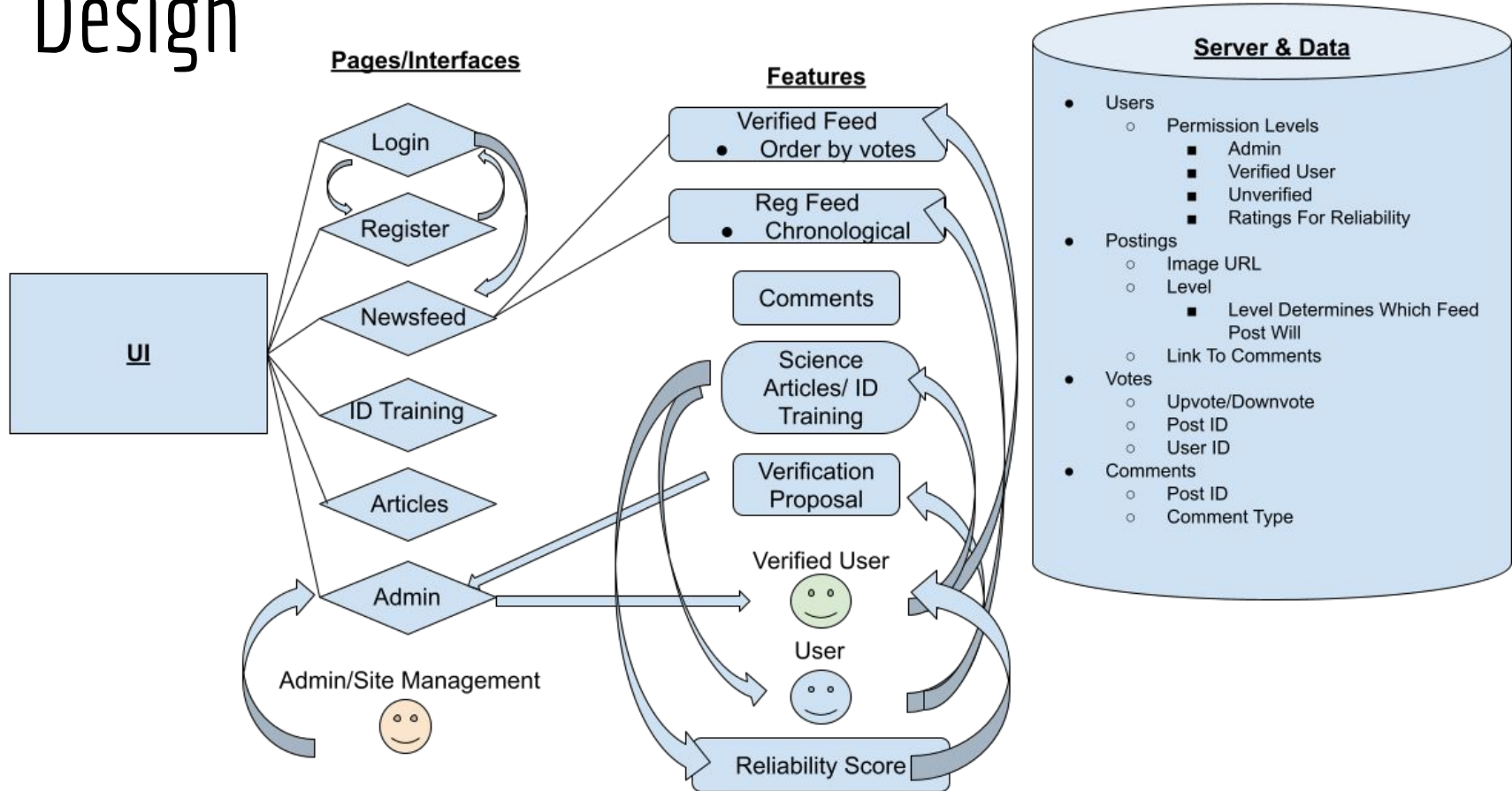
Social aspects:

- ❖ Post sightings
- ❖ Voting
- ❖ Comments
- ❖ Newsfeed
- ❖ Friends
- ❖ Take quizzes

Education & Discussion:

- ❖ Verification based on expertise in a field of study
 - Verified users can create 1-question quizzes (currently only available to themselves)
 - Multiple-choice
 - Open answer
 - Informational posts

Design



Implementation

Bee Social My Feed Quizzes

Logout

Bee Social

Your Research Tool Powered By The Masses

My Feed

User1 1 minute ago



Report:

5pm Forks, WA. 2 inches long,
brown and yellow.

Comments:

User1 That sounds like it!

Share your input

Submit

1



0

How it Bee, User1!

Add Friend

username

Submit

My Friends

Sorry, no friends!

Verification

[Apply For Verification](#)

Verification Application for

First Name

Last Name

Graduating University

Area of Study

Years of Experience in Field

Submit

Quizzes Demo

[My Feed](#) [Quizzes](#)

Create a Quiz!

Question

Leave all answers empty to have an open-ended answer. Answer 1

Answer 2

Answer 3

Answer 4

Submit

Quizzes Demo

[My Feed](#) [Quizzes](#)

Create a Quiz!

Question

Do silk moths have mouth parts?

Leave all answers empty to have an open-ended answer. Answer 1

No

Answer 2

Yes

Answer 3

What's a mouth

Answer 4

What's a moth

Submit

Quizzes Demo

[My Feed](#) [Quizzes](#)

Create a Quiz!

Question

What Canadian province has virtually no rats?

Leave all answers empty to have an open-ended answer. Answer 1

Answer 2

Answer 3

Answer 4

Submit

Quizzes Demo

[My Feed](#) [Quizzes](#)

Do silk moths have mouth parts?

- | | |
|---|----------------|
| A | No |
| B | Yes |
| C | What's a mouth |
| D | What's a moth |

What Canadian province has virtually no rats?

Answer

Submit

Implementation

Melanie:

- ❖ Voting
- ❖ Table ID system
- ❖ User Info

Nick:

- ❖ Verification
- ❖ Quizzes

Heather:

- ❖ Voting
- ❖ Visual appeal

Future Work:

- ❖ User Posts as forms
 - Date (limited to past 2 years)
 - Time
 - Location (with coordinate picker)
 - Description
 - Images and Videos
- ❖ Order of posts
 - Chronological for users
 - By upvotes for verified users
- ❖ Quizzes with images

Verification and Validation

Tested:

- ❖ Login
- ❖ Posts
 - Comments
 - Voting
- ❖ Verification
 - Acceptance & Denial
 - Quiz Creation
 - Multiple Choice & Open Answer

Not Tested:

- ❖ Post order by upvotes for verified users
- ❖ User takes quiz
- ❖ Friends

Lessons Learned

- ❖ Shared vision is tricky, but important
- ❖ Write User Stories → Write SRS
- ❖ Pair programming benefits:
 - Help when stuck → Faster Progress → Increased knowledge
 - Less catching up on updates
 - Easier to explain suggestions
- ❖ Focus on main features first
- ❖ Pay attention to feedback