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**Project Spec:**

[https://docs.google.com/document/d/1YeEacupctezlLfCruNBQ6hGDK7IZCa\\_CAV15nUFpZIQ/e/dit](https://docs.google.com/document/d/1YeEacupctezlLfCruNBQ6hGDK7IZCa_CAV15nUFpZIQ/e/dit)

**Study Procedure:**

Task: Learn about forest fires in California

P2:

1. Take a few seconds to observe the landing page.
2. Scan through possible topics.
3. Find the article on forest fires in California and click on it. (3 seconds, 1click)
4. Look through the quiz and answer the questions. (... 1 click each question)
5. Look through the results.
6. Click on the link related to the first incorrect answer.
7. Read the relevant fact about the California fires.
8. Head back to the quiz results page.
9. Navigate to the article.

P3:

1. Look at suggestions
2. Type in a query
3. Find the answer to your query
4. Ask a question to the chatbot
5. Ask a different question to chatbot
6. Find an article that has different bias from this article

**Questions:**

1. Did you find that it was difficult to follow the steps in procedure? Which steps and why?  
P2: (Was expecting to see the articles, but see a quiz instead..... Confusing about the return button. Assume it was going back to article)  
P3: article part, maybe user not sure to type both query
2. At any point, did you feel stuck or unsure of what to do?
3. Did you feel like you completed the core task?
4. Which steps took the longest? P2: Wrong answer page takes too long  
P3: finding the chatbot, not obvious

5. How long overall did it take for you to complete the procedure?
6. If this was fully implemented, would you be able to do the study by yourself?
7. Which UI design feature was the most confusing?
8. Which UI design feature was easily understandable?

Comparative Questions (if necessary):

1. Which user interface completed the core task the fastest? P3

Answer: Using chatbot can help you go to the information directly.

A: For quiz. You need to go to each article that you do wrong in the quiz. You need to understand and find answers by yourself.

2. Which user interface had a more positive user experience? P2

A: Quiz idea is simplistic and just makes more sense

3. Which user interface did you feel you learned more from? P3

A: Quiz idea \* forced to recall info / easiest

A: Simple and easy to use. It is convenient to get the facts by taking the quiz.

First one inform the user

Measurements:

- Response Time - little slow, but mostly due to being a low-fi, hard to interact with
- Number of 'Clicks' - too hard to measure due to low-fi
- Accomplished core user task? Yes

Reflection

What went well with the study was that we got to test our design choices and ideas before even implementing it by asking questions. We got feedback on what seemed like it made sense and what didn't. Due to that, we can focus on areas to improve without wasting time rewriting code or spend time going back to the planning stage. Also, it seemed both ideas are good and that the P2 quiz idea we had was more liked than our dark horse prototype chatbot, which is good since the dark horse is very hard to implement.

What can improved on the study was that it felt like it was a little too early to do a comprehensive study on the prototype, especially a lo-fi one. Students were not able to interact with the prototype so a lot of study questions were hard to ask or measure. Because of this, we couldn't test our prototype extensively as our questions asked were limited, and due to this, we might have missed parts to improve on in our design.