

Chapter 4: Pushing the Ceiling of *Data Experiences*

Chapter 4, Episode 1: Accessibility work is never done (and how to get feedback)

Involving people with disabilities in the design process

Preliminary/pilot study



Ideation

Design

Prototype
(involves
building and
testing)

Evaluate
(final)

Source: [“How not to make bad AT” by Iman et al](#)

Involving people with disabilities in the design process

Wizard-of-oz/lo-fi study



Ideation

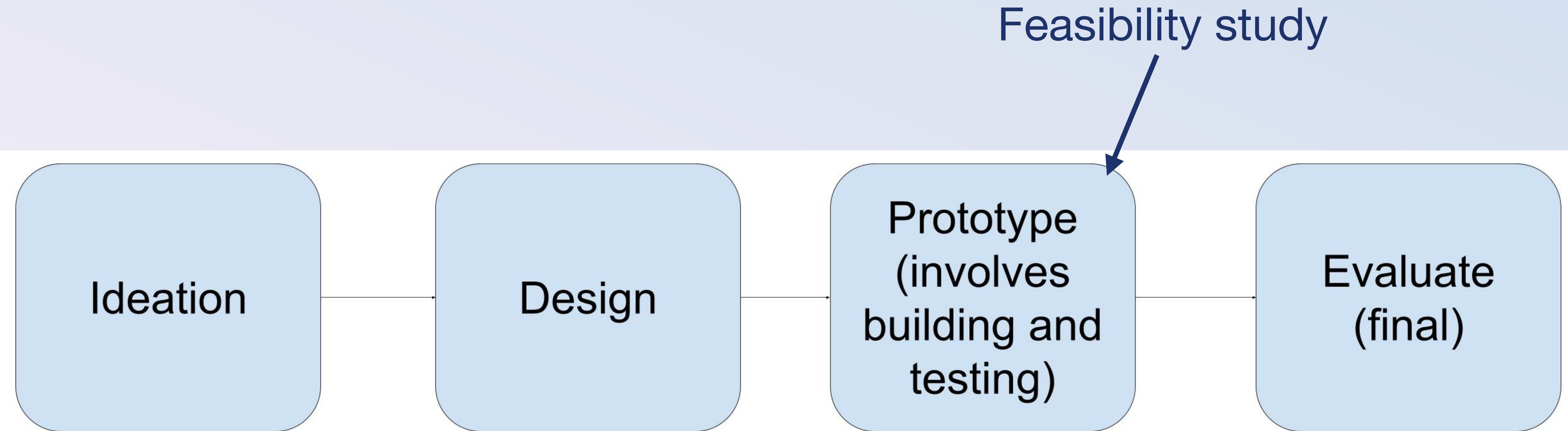
Design

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(final)

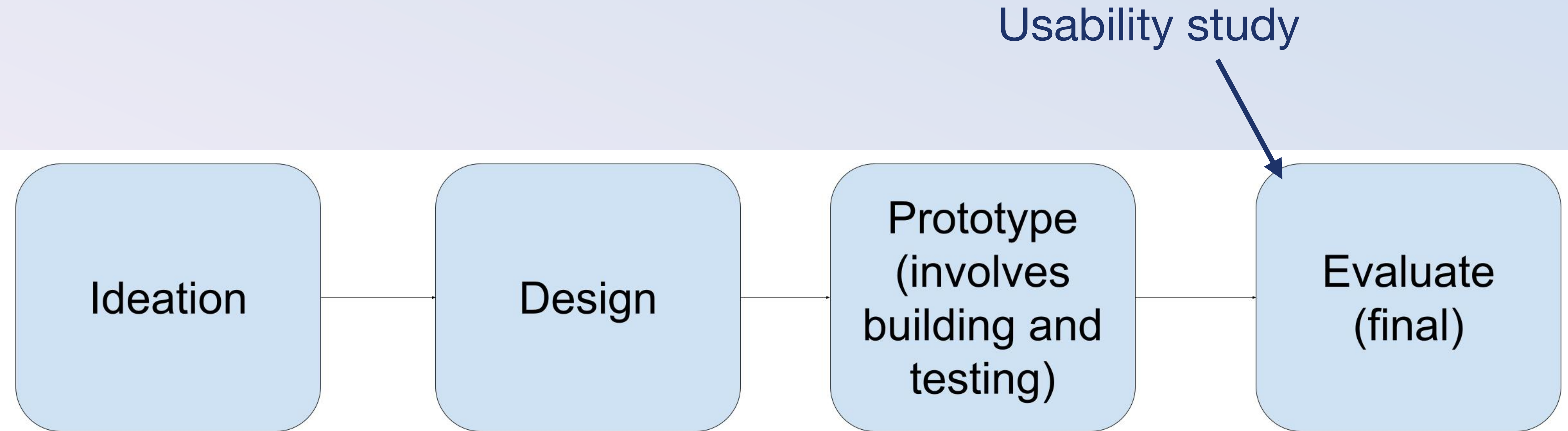
Source: [“How not to make bad AT” by Iman et al](#)

Involving people with disabilities in the design process



Source: [“How not to make bad AT” by Iman et al](#)

Involving people with disabilities in the design process

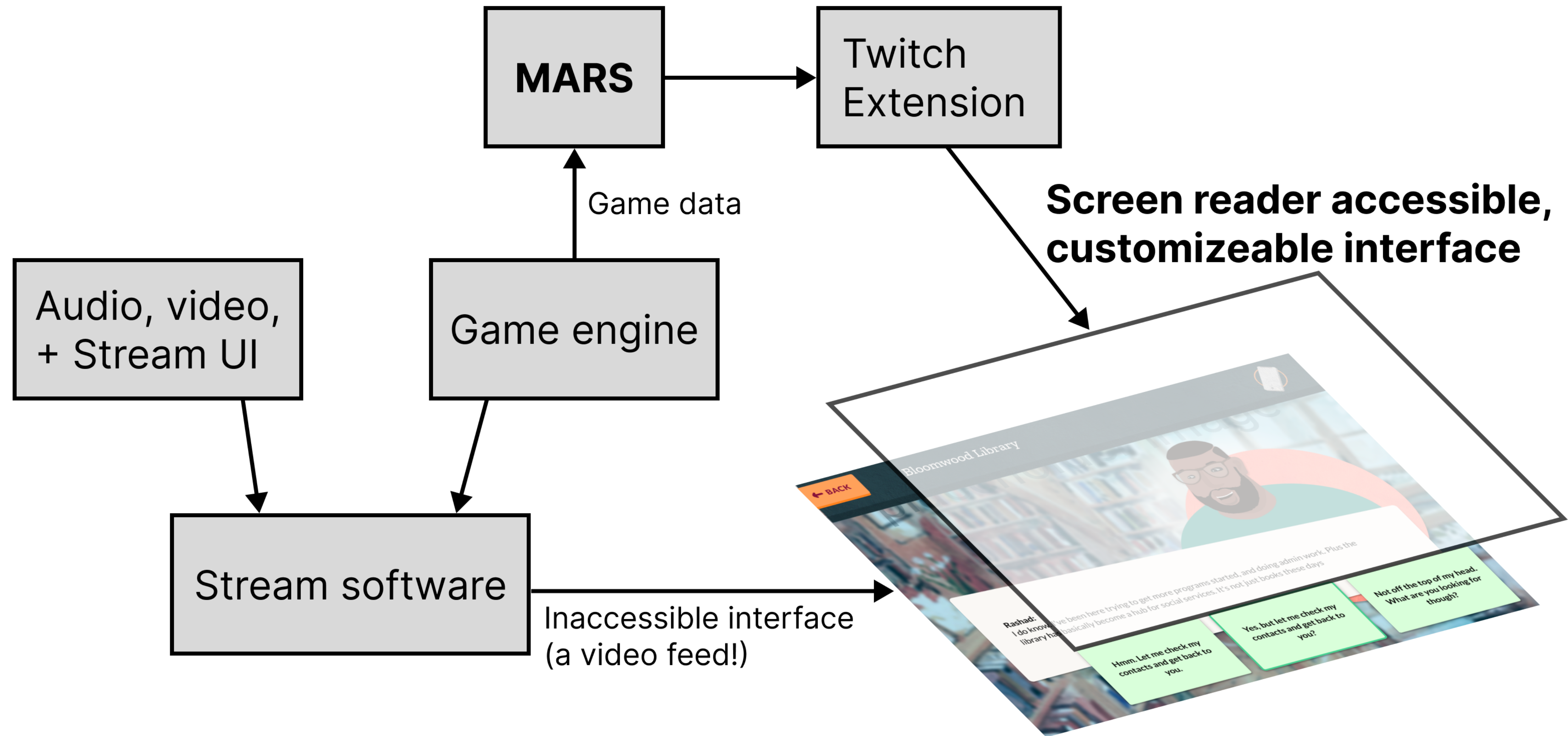


Source: [“How not to make bad AT” by Iman et al](#)

Important framing: don't evaluate *people* with your *things* (that is a medical framing).

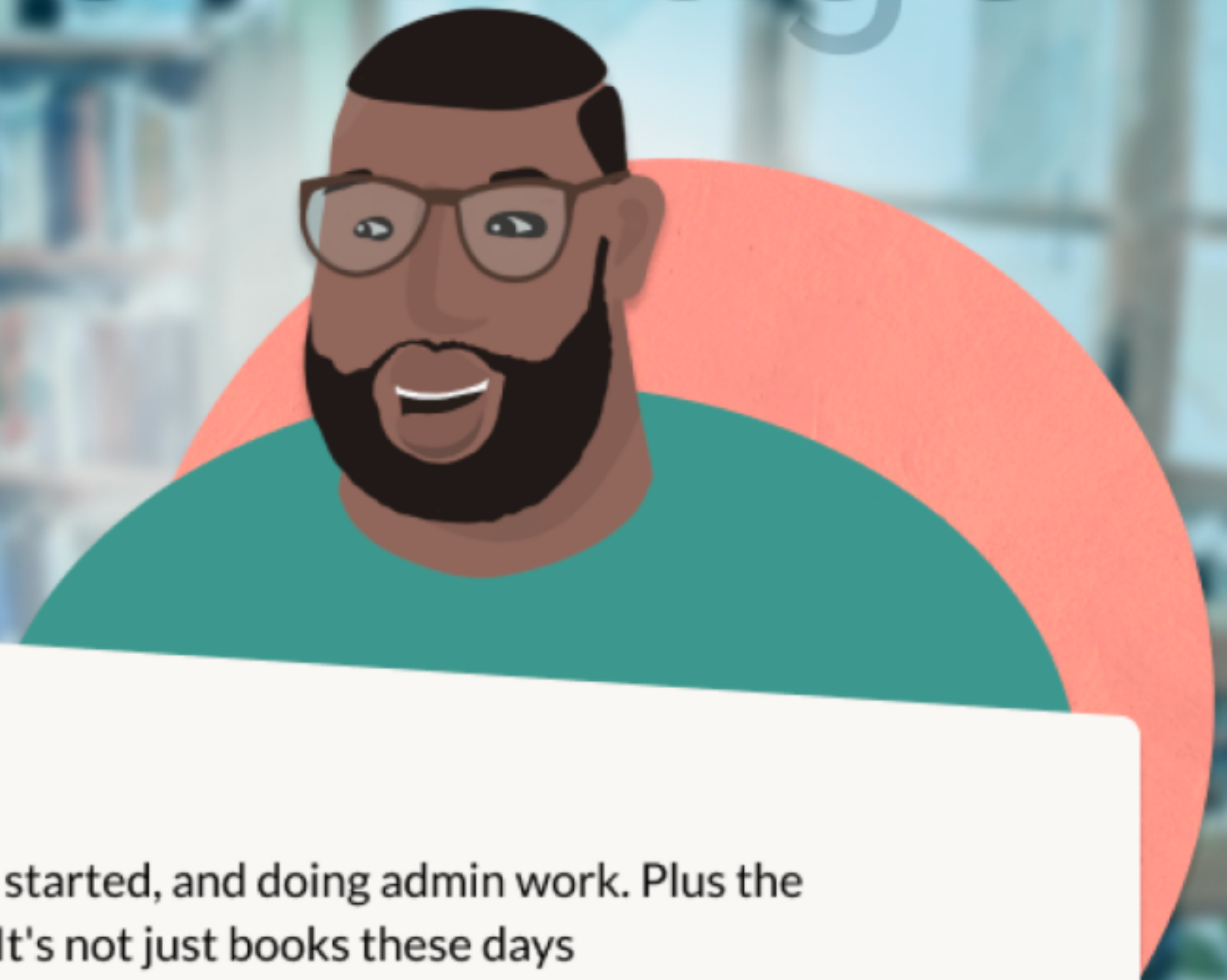
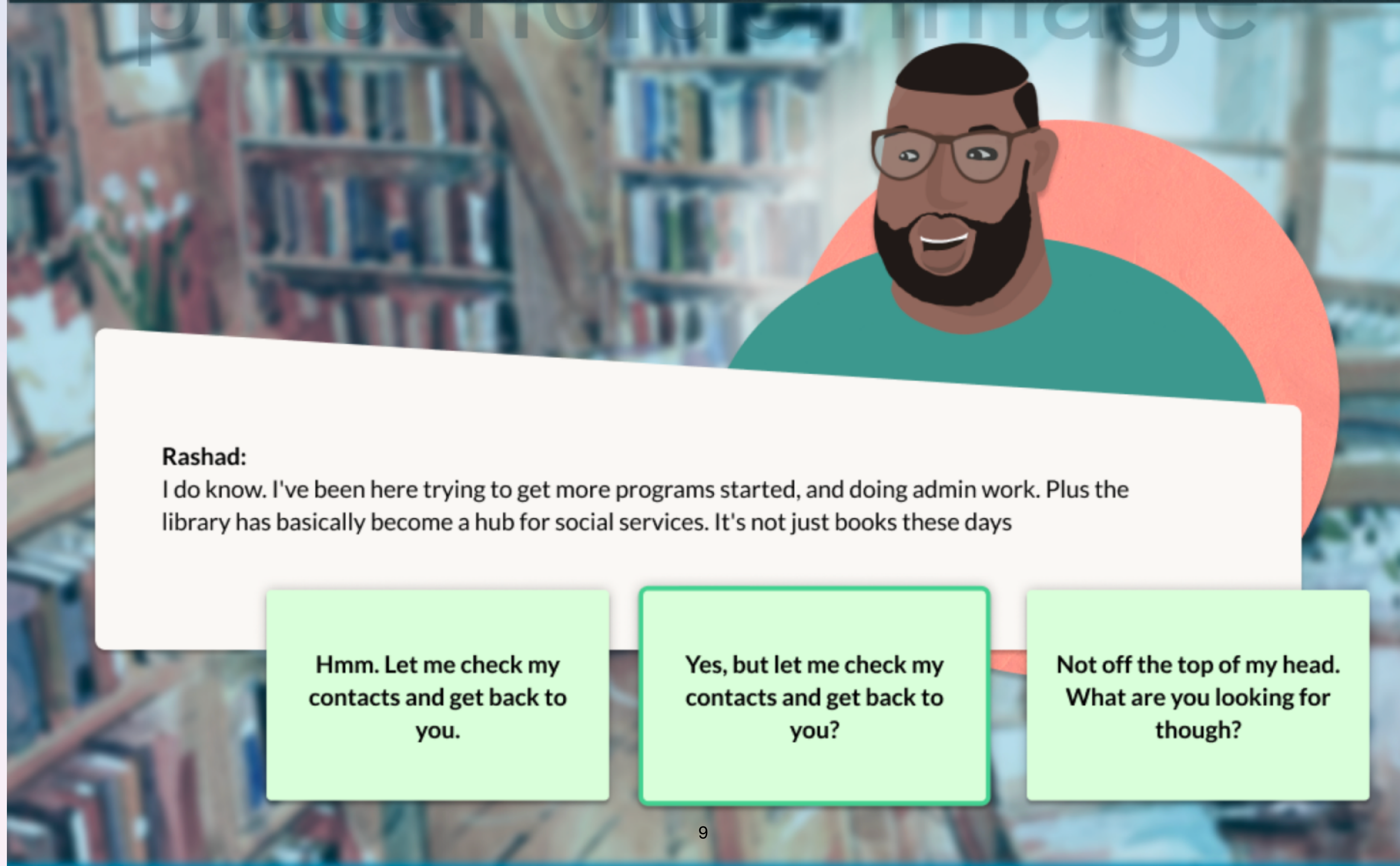
Instead, evaluate your things with people!

Example research project: Accessible streaming



← BACK

Bloomwood Library



Rashad:

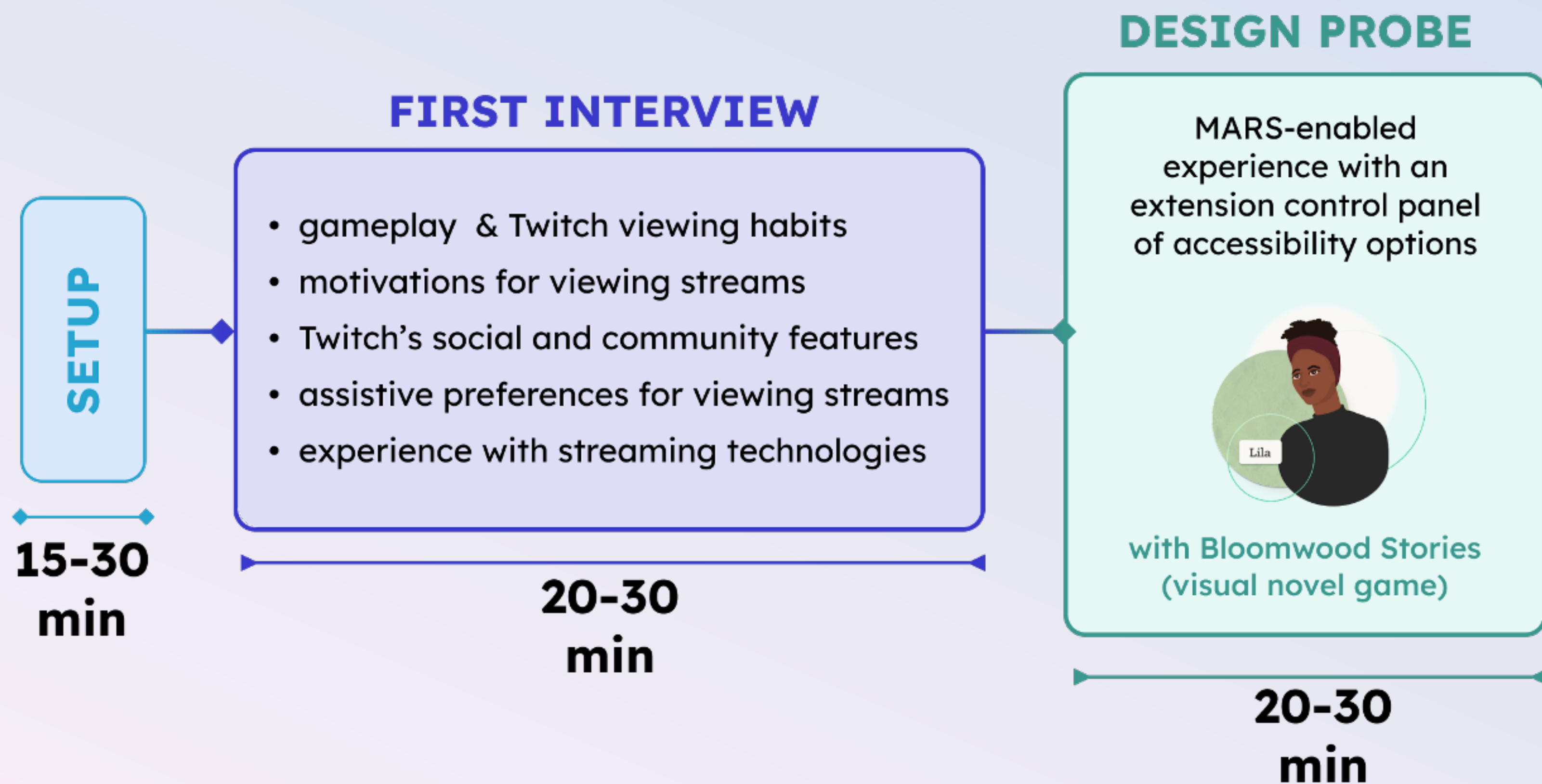
I do know. I've been here trying to get more programs started, and doing admin work. Plus the library has basically become a hub for social services. It's not just books these days

Hmm. Let me check my contacts and get back to you.

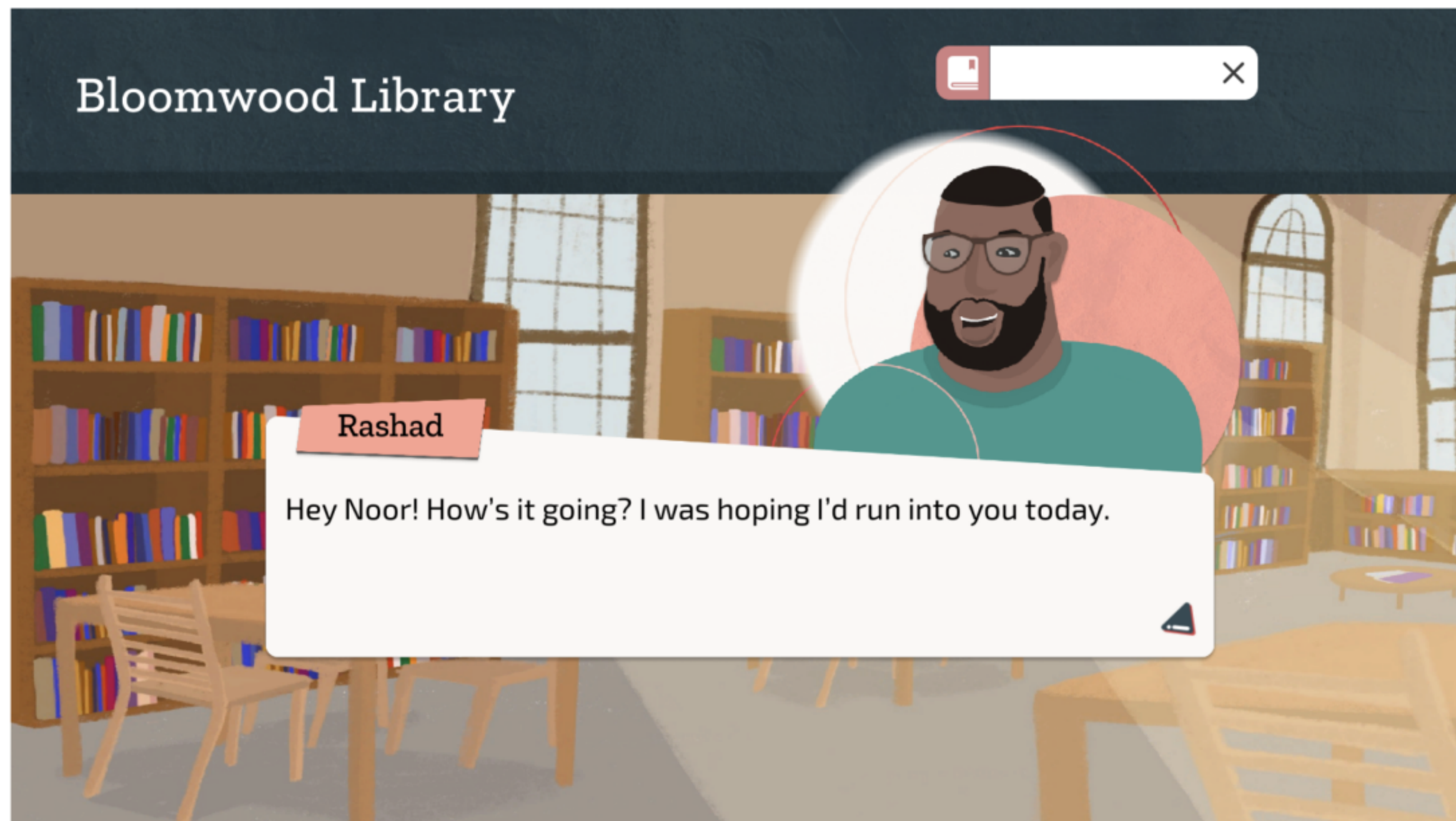
Yes, but let me check my contacts and get back to you?

Not off the top of my head. What are you looking for though?

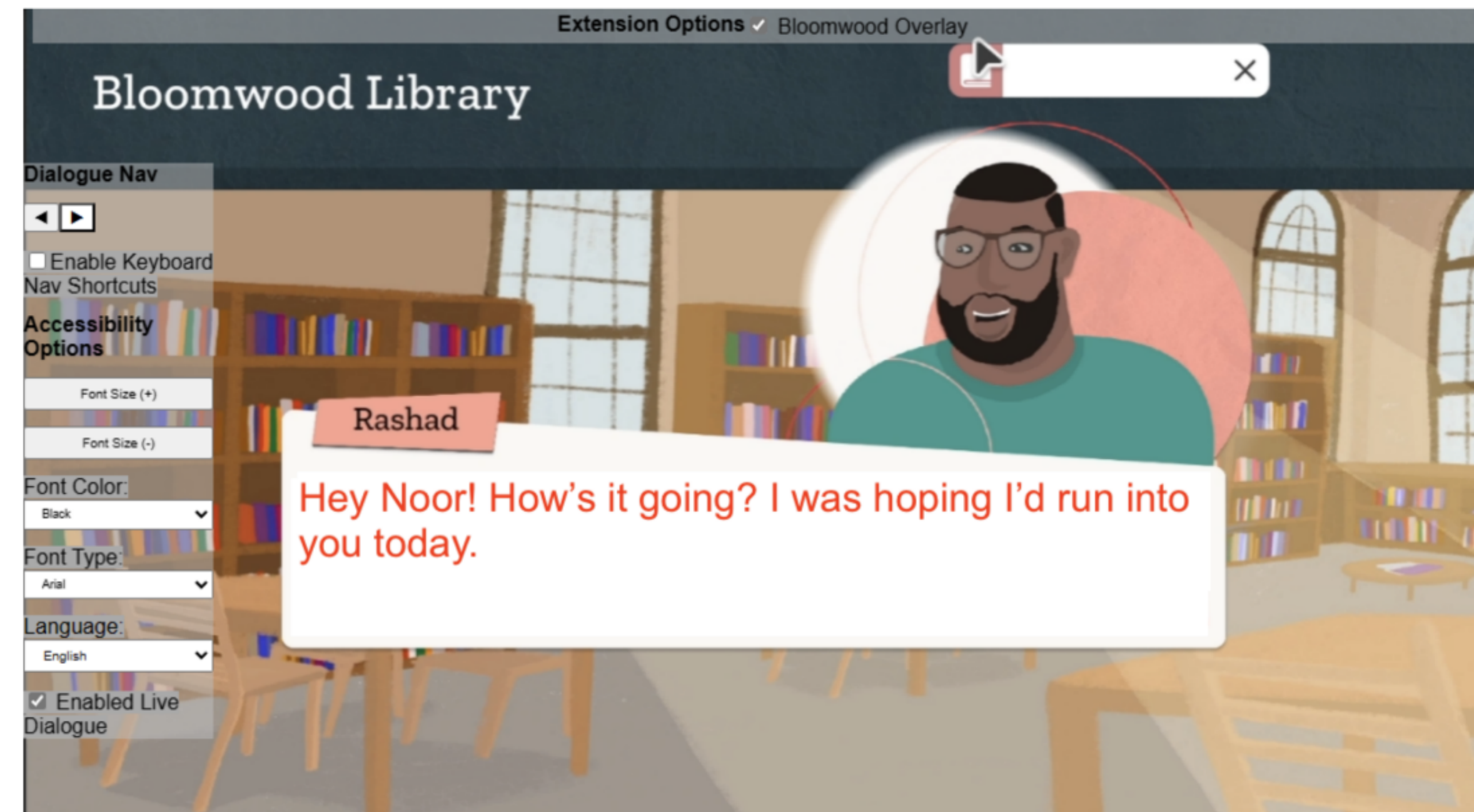




Our prototype and design probe



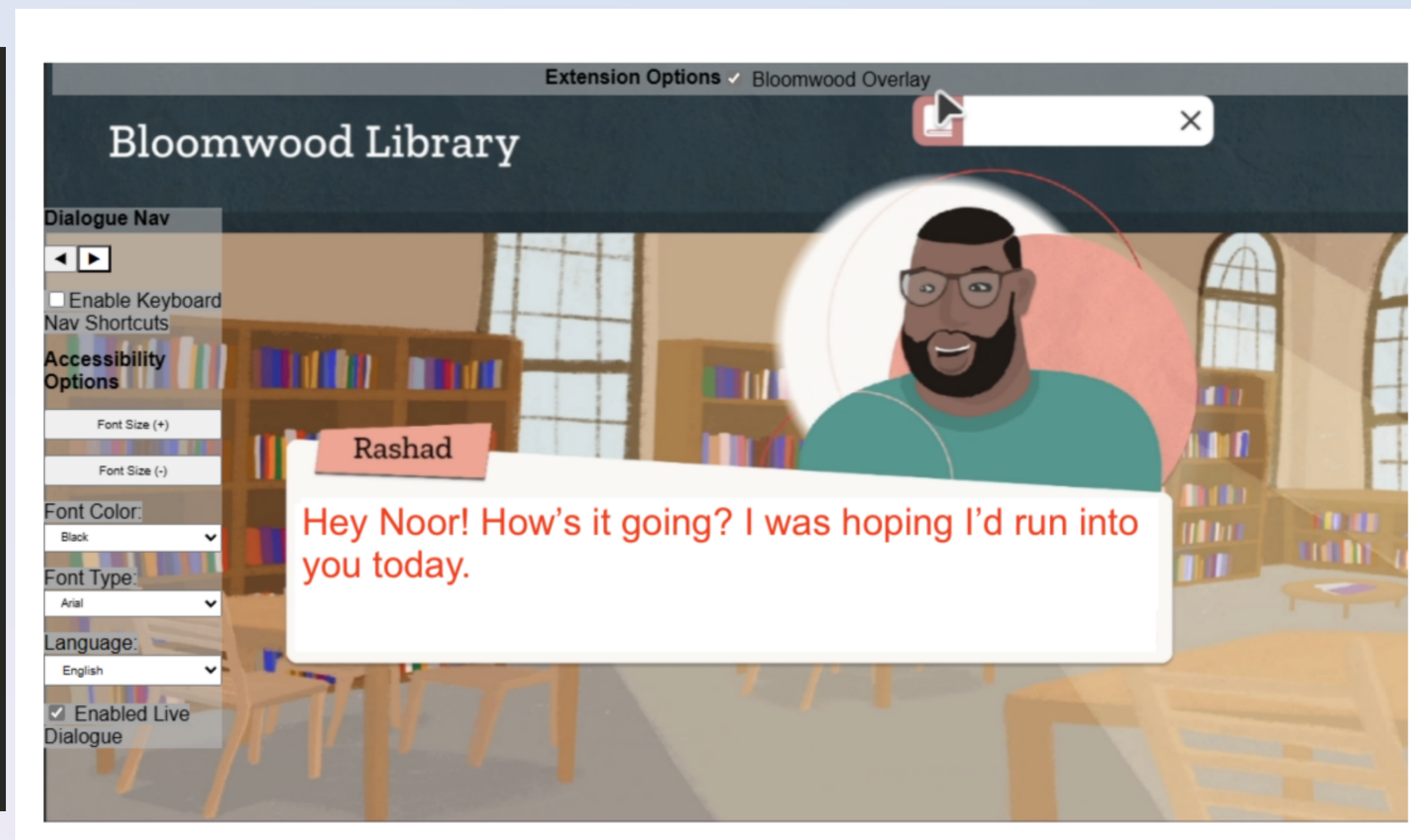
Gamer interface, to gamer

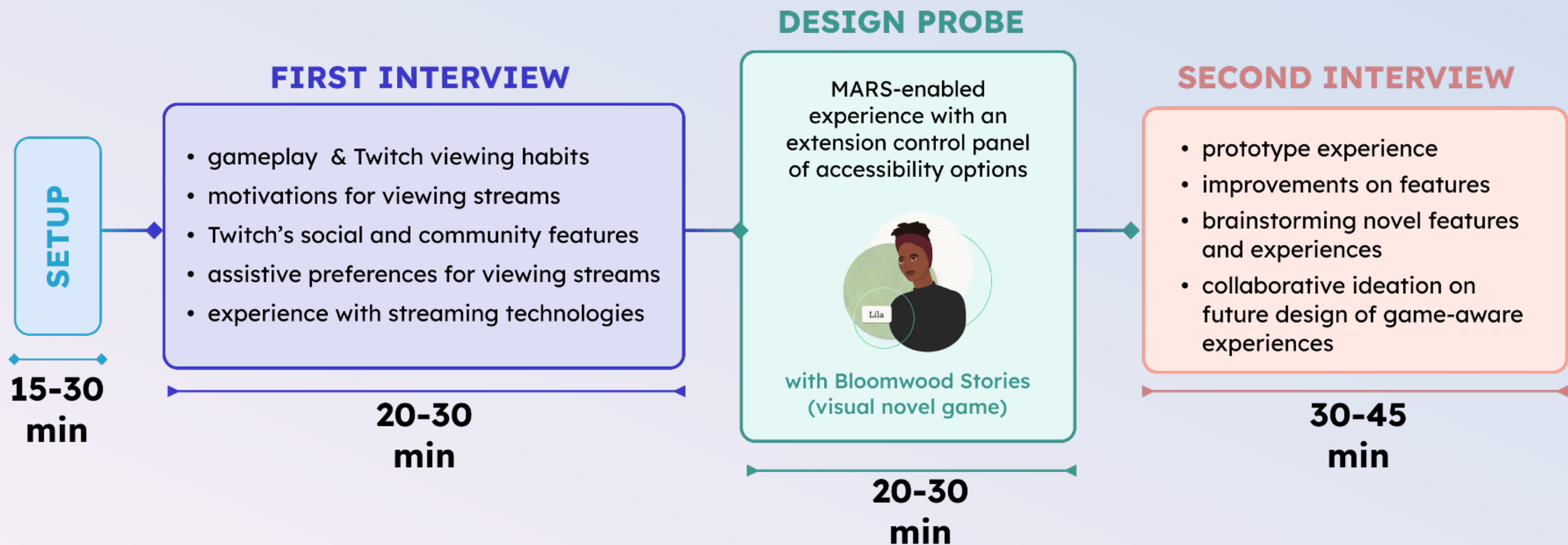


Stream interface, to viewers

Enabled by accessible HTML, under the hood

```
1 <h2>Dialogue Navigation</h2>
2   <div id="dialogue-browsing-buttons">
3     <button id="previous-dialogue-button" aria-label="Previous dialogue">⏮️</button>
4     <button id="next-dialogue-button" aria-label="Next dialogue">⏭️</button></div>
5   </div>
6   <div>
7     <label>
8       <input id="keyboard" type="checkbox" name="dialog" value="keyboard">Enable Keyboard Nav Shortcuts
9     </label>
10  </div>
11  <h2>Accessibility Options</h2>
12  <button id="increase-font-size-button">Font Size (+)</button>
13  <button id="decrease-font-size-button">Font Size (-)</button>
14  <div class="dropdowns">
15    <label for="font-color-select">Font Color:</label>
16    <select id="font-color-select">
17      <option value="black">Black</option>
18      <option value="red">Red</option>
19      <option value="blue">Blue</option>
20    </select>
21  </div>
```





Remember: do *not* ask for free labor from people with disabilities.

Pay them for their knowledge and expertise.