

Reading Rabbit
Prototype and Testing Protocol

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Will you create an interactive prototype before you begin coding (e.g. using Figma), or will you work from static wireframes?

- Our team will be coding based on semi-static wireframes on Figma to not only maximize coding productivity in the last few weeks we have left in the quarter, but also to optimize our user testing. We plan to conduct testing with the semi-static Figma prototype. Interactivity in the prototype will be focused on the navigation bar, the “view more” buttons found on the homepage, and accessing the main component pages of our webpage.

What are the acceptance tests that your team will perform before beginning user testing? Describe the acceptance testing process for at least two key features, including which results would indicate a successful test and which results would indicate a failed test.

- Some of the acceptance tests that our team will perform before beginning user testing will be asking our future users key questions to better understand and gather information on how they will use our platform. Based on the survey results we will further understand the different levels that each child is at so they are best able to use our resource.
- A way we will be able to indicate if we had a successful test will be if children are able to (1) Locate local libraries using the map feature and (2) users are able to successfully download a PDF version of their desired book. Given our platform is made for K-5 children we want to ensure that users are able to manage and navigate our resource platform for its two main goals: to find local libraries and access free books that promote literacy.

Acceptance Test Process:

- Local Library Filtering:
 - Test Objective: Ensure users can locate local libraries on a map.
 - Task: Ask the user to navigate to the map feature from the homepage and locate a library in their area.
 - Success Criteria: Users successfully use the map feature to display libraries based on their specific location.
 - Failure Indicators: Users cannot find the map feature, libraries displayed do not match the user's location, or the map page does not display libraries.
- PDF Download Functionality:
 - Test Objective: Enable users, specifically children in grades K-5, to download PDF versions of books.
 - Task: Ask the user to navigate to the “Book” page, filter based on the genre of their choice, and download a book of their choice.
 - Success Criteria: Users find and download a PDF book that they are interested in reading.

- Failure Indicators: Downloads fail, links lead to incorrect files, the download process is too complex for the target age group, the filter feature does not work.

What are the limitations of your acceptance tests? List some of the ways that your team's in-house testing environment may differ from the context in which your expected users will be interacting with the product.

- Environmental Differences: Our in-house testing might not fully replicate the various devices and network conditions that users might have throughout the Seattle area. For example, different screen sizes and internet speeds can affect usability and performance and typically vary throughout populations.
- Tech Proficiency: We may not accurately simulate the range of technological proficiency among children or their parents, which could potentially overlook usability issues for less tech-savvy users.

How will you conduct user testing?

- We will use our semi-static wireframes to test our design with users asking them questions that regard navigation. We will also ask additional questions which will give us insight on filtering options and styling. Since our target audience is parents of children k-5/children k-5, we will make sure to uphold privacy protection and parental authorization.
- We will conduct these interviews online and in person, depending on what works best and is accessible for the scope of this project and will try to have 2 group members interview the user while the rest take notes on user responses, reactions, pain points, etc. First we will inform them about our project and their options to opt out. Then if they proceed we will go over these examples of questions: “Can you walk us through the process of downloading a book from this starting page?”, “From here, what would you click to find the nearest library to you?”, “From here, what would you click to see if there is a book drive happening soon”, “What genre(s) interests you/your child?”, “What aspects of a book compel you to read it (eg. genre)?”, “What do you think about this color palette?”

How will you decide which bugs to fix first?

- We are assuming that our map feature will require most of our focus, as all of the team members are unfamiliar with the process of integrating a map through code. We are prioritizing the need our stakeholders may have for finding physical resources in local libraries, so we will be fixing bugs on this feature first. Then we will fix bugs in order of our P0, P1, and P2; paying closer attention to P0 and P1 which have more complex features such as filtering with the option of selecting multiple genres and using a database.

How will you re-test the solution after the bug fixes have been completed?

- After implementing bug fixes, our team will proceed with re-testing the solution to ensure that the issues have been resolved and that the website's functionality meets the desired standards. This involves conducting another round of **user testing**, preferably with a fresh set of participants and with the same participants if feasible. Participants will be allowed to interact with the updated features, including filtering local libraries and downloading PDFs, to gauge their experience and provide feedback. Additionally, we will revisit the **acceptance criteria** defined earlier for our key features such as local library filtering and PDF download functionality to ensure that any issues no longer occur. Lastly, we will perform **performance testing** to address any performance-related issues, such as slow loading times or unresponsive behavior. This testing will involve assessing the website's performance under various conditions to confirm that it meets performance expectations and delivers a smooth user experience.

Feedback from peers:

Changing the homepage make it more obvious that it is a reading website

- Maybe add a book image/icon next to the website description