

Interacção Pessoa-Máquina**2021/2022****ReadCycle**

Stage 2: User and Task Analysis**Authors:**

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Problem Description

Buying books is expensive and once we read one, it no longer has purpose. Instead of throwing it away or keeping it in a shelf, taking space, we could trade it for a new one. Meeting someone that has the book you want could be hard, and even harder for that person to want to trade with the books you have. There should be an easy way to perform successful book bartering.

Users:

- Non-Logged in users - Users that aren't logged in the site. They only have access to the initial page with some examples of the books that can be found on the website. They can register and log in.
- Logged in users - Can perform all the tasks of the book trading and get books recommended by the app.
- Moderator Users - User that can do all the things a logged in user can and has permission to see all the reports made in the website, and the ability to resolve them.

Tasks:

1. Search for a Book (name, author, category, etc.)

- Objective: The objective of this task is to find a book that we want to read. This should be the most performed task on the site.
- Sub-Tasks: Choosing a search filter and showing the users that are trading the book we searched for. We can also filter the order by which we show the possible user trades.
- Preconditions: Be on a page with the search function.
- Exceptions: The person can search for a very obscure book that nobody has. No results are found in this case.

2.Check Recommendations (close by, interested)

- Objective: The objective is to show a recommendation on the initial user page after login, so a user can see books that belong to the same genre of the books they have traded in the past and the books that belong to the people who are closer to them
- Sub-Tasks: The sub-tasks include finding books of the same genre of previously traded books and finding people that live near the user. This page must be shown every time the user logs in.
- Preconditions: The user needs to log in, in order for the recommendations to work properly the user must have already traded books, otherwise only random books will show up.
- Exceptions: When trying to find people that live close we may not find anybody if the user lives in a remote place.

3.Perform Book Trade

- Objective: The objective of this task is to trade the books between users. After a user sends a trade request to the owner of a book he desires, the owner may accept or decline, depending on his interest in the book offered for the trade. If the trade was successful you are allowed to communicate via our chat to arrange a location to trade the book. After the trade goes on, you must disable it in your profile(you can delete it if you decide to give it away).
- Sub-Tasks: Choosing whether or not the book should be returned after a period of time, communication via chat and disabling the trade.
- Preconditions: User must be logged in.
- Exceptions: If the person doesn't show up or doesn't have a book to trade then the trade fails.

4.Report User

- Objective: The objective of this task is to report a user for several reasons. When a user behaves inappropriately, doesn't return your book or returns in bad condition you must file a report, choose the motive and write what happened.
- Sub-Tasks: A subtask of reporting another user is choosing the motive behind the report.
- Preconditions: To report another user, the current user must have traded a book or exchanged messages with the user being reported.
- Exceptions: User is already banned, user doesn't exist.

5.View User Profile

- Objective: The objective of this task is to show information about other users on the platform.
- Sub-Tasks: Check user reviews.
- Preconditions: Be logged in.
- Exceptions: User doesn't exist.

Scenarios:

Scenario 1

Mauro has some books he wants to trade so he goes to ReadCycler, registers and logs in. He then registers the book "Harry Potter" on the website, and says he wants the book back after the trade. He goes to the explorer page to see the books the app contains, he filters for fiction and sees a book that caught his attention: "Lord of the Rings" he sees who is trading the book and there are two people, so he chooses the one that is closer to him and sends a request. The next day he sees that his request was denied so he sends a request to the second person closest to him. He checks his profile to see if he can trust him, he has a great review! Mauro sends a request and waits. And the request is accepted. He then contacts the owner of "Lord of the Rings", Maria. They arrange a place and time to exchange the books. They also say when they want the book back. They will have 4 months to read the books and then will return the books at the same place.

Scenario 2

Richard just finished reading Hunger Games Catching Fire and was now looking forward to reading the next one, Hunger Games Mockingjay. So he decided to try the site ReadCycler. He searched for the book he was looking for and found a guy named José suggesting a trade book by book with returning after the read. He then proceeded to perform the trade and after Richard finished his reading he tried to contact José but with no results. Even 2 weeks after that he couldn't reach him so he decided to report him. A few days later José's account was flagged by the moderator team.

Scenario 3

Abel wants to read some books but he has already finished his collection and has no idea what to read next. He then remembers he did some trades in the ReadCycler App and goes there to find something appealing. After logging in and filling his interest list on the app, he sees that the recommended section refreshed. He then proceeds to search this section for something he likes. After that, he sees "Total Recall by Arnold Schwarzenegger" and really wants it. He proceeds to check the available trades or offers and makes a request!