

**Interacção Pessoa-Máquina**

**2021/2022**

**Shelves**

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Stage n: 2



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## **Problem?**

- Where to find a cheap and accessible place buy books;
- Where to find other people with the same literary interests as me and how to create an event where we can all talk about one specific book;
- Where to find a place to trade books.

## **Interviews**

In the interviews we conducted, we asked our subjects what they would do if they were to encounter such problems as:

- Where to find a specific book ?
- What to do if you couldn't afford it ?
- Where to borrow a book that you'll need for a temporary amount of time ?
- What to do if you couldn't find what you needed ?

To analyze we are going to give a more global answer, because our subjects gave, more or less, the same answers. First of all, they said they would look up the book online, but if they couldn't afford it they would try to buy it in a second hand store. The problem that arises from that is second hand book stores don't have all the books you're going to need and it's hard to find specific types of books, such as academic ones. With that said, we finished the first stage of questioning.

In the second stage, we asked our subjects if they would be willing to borrow a book they needed - they all agreed that was a good solution for the problem previously stated. On the other hand, they all had trouble answering the third question, because there isn't any place that they knew of, where you can borrow, rent books from. In the end, the final answer was a unanimous agreement by all subjects: not finding a solution in the first stage - and not having, by chance, someone you knew who could lend you the book in question - would mean that there was no solution.

## **Who are the users?**

- Age - 16 -> ...
- Gender - All
- Ethnicity - All
- Education - All that can read and enjoy doing it
- General Computer Experience - Needs to have basic computer knowledge to interact with the webapp
- Work environment and social context - Any
- Communication patterns - Must know how to express their opinion

## Task Analysis:

### High Level Tasks:

- Users can lend/borrow books from others:
  - Whenever a user wants to lend a book to someone else:
    1. The said user should select the book to lend from their own list of owned books;
    2. Then the same user should select the person to lend the book to;
    3. Finally, they must select the time period within which the book will be available to the first user;
    4. The second user should then decide if they agree with the choices;
    5. If the second user agrees with the choices, the book must then be delivered to the second user.
  - Whenever a user wants to borrow a book from someone else:
    1. The said user should search for another user that owns the book they want;
    2. Afterwards, they should request that user to lend them the book;
    3. The other user should either agree or not to agree to lend the book to the first user;
    4. If the other agrees to lend the book, the user must then select a time period within which the book will be available to the first user;
    5. The first user should then decide if they agree with the choices;
    6. If the first user agrees with the choices, the book must then be delivered to the first user.
- Users can sell their own books:
  1. The user should select the option to sell a book;
  2. Once pressed the button, they have to fill the boxes with the necessary information, such as:
    - a. Book Title (mandatory);
    - b. Author (Mandatory);
    - c. A picture of the book (Mandatory, to validate if it's the same book or not);
    - d. State of the book (Mandatory);
    - e. Price (Mandatory);

3. After filling the necessary boxes, the user can put up their sale advert for other users to see;
  4. If a user wants to buy a book, they can go to the buy menu, search for a specific book and see if there is any for sale; (estamos a falar de vender ou de comprar?)
  5. In case a book is bought, the book proceeds to be packaged and sent to the user that bought it.
- Users can create a reading event where they read a book and share opinions:
    1. The user should select the option to create an event;
    2. Once pressed the button, they have to fill the boxes with the necessary information, such as:
      - a. Place of gathering (optional if online);
      - b. Time of gathering (mandatory);
      - c. Choice of book (mandatory).
    3. After filling the boxes, the user must invite other users to the event;
    4. The users contacted must respond to the request, and users that weren't contacted can search in a list of events for an event they want to participate in and join the event.
  - Users can trade books:
    1. The first user should look for another user who owns a book they are interested in;
    2. The first user should then select the option to trade books with that user;
    3. The second user can choose to accept the trade request;
    4. If the trade request is accepted, both users must select the books they want to trade;
    5. If both users agree with the trade, they contact each other to settle on a place and time to exchange the books.

## Scenario:

- **Borrow a book**

"Ana is interested in psychology and wants to borrow the book *Fundamentals of Psychology by Michael W. Eysenck* but she doesn't know who owns it. She wants to borrow the book for 2 weeks, which is the amount of time she believes is necessary to read the entire book."

- **Sell a book**

"Simon has finished highschool and wants to sell his comic book *Garfield at large by Jim Davis* for 13 euros. He has owned the book for 5 years and, although the book is old it's still in great condition (has all the pages and it wasn't written on it)."

- **Reading Event**

"Megan wishes to create a reading event about *The Da Vinci Code by Dan Brown*. She believes that an online event would be better in case of someone that lives very far away. The event should take place on the 4 of December at 14 o'clock. Megan would also wish to invite Ana and Simon to the event."