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Hungry Readers

Stage 4: Computational prototype



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Prototype's URL

There are two ways to open our project:

1. You can open the link below which will redirect you directly to the prototype:
[Home \(personal-khpxl3tt.outsystemscloud.com\)](https://home(personal-khpxl3tt.outsystemscloud.com))
2. Or you can download the project from this link. However, using this approach, requires some more configurations which are explained on the next chapter.

Startup instructions

As said before, our prototype can be accessed in two different ways:

- By the following link ([Home \(personal-khpxl3tt.outsystemscloud.com\)](https://home(personal-khpxl3tt.outsystemscloud.com))) which is the fastest and easiest way to try our prototype.
- By accessing this link [IPM Project \(unbreakablekid.github.io\)](https://unbreakablekid.github.io) and going to "Project Submissions" where you will find the computational prototype.
To use this, you need:
 1. Download outsystems;
 2. Create an account;
 3. Open the file using outsystems and follow the instructions.

"Briefing"

In today's world, there are various applications and websites where it is possible to search for books, keep records of the books already read, of the books to read, and see the rating for each of the books. However, it is as far as the applications go. In case there is someone looking for more than those generic features, for example, customized book clubs, that person will have a very hard time doing so.

You could say that it is a very hard task to find an online book club or become a member of an existing one for the following reasons: there is not much offer in the market, it is not easy to discover people who have the same taste in books among our friends and it can be difficult to join an existing group of people that know each other.

Therefore, we came up with the idea for our application. An application that not only recommends books but, above all, promotes interaction between readers by setting up book clubs among total strangers that unknowingly have the same taste in books. Moreover, it facilitates the process of book trading by providing mechanisms that will compare our Wishlist to the books read list of our friends and suggest some trading requests.

In addition, it helps small writers to promote their work by helping them to create events concerning their work.

Scenarios

1st Scenario

You enjoy reading Crime Fiction novels. You enjoy them so much you would love to share your love for them with everyone. You create a book club called “I have no clue” and set it as a crime fiction club. You make it public so everyone can join and share their love for the genre. In addition, to start sharing ideas as quickly as possible, you send some invitations requests to your friends with the following names: Rose, Alice, and Paul.

2nd Scenario

You have already read “A Darker Shade of Magic, by V. E. Schwab”, and you loved it. You desperately want the sequel, “A Gathering of Shadows”, so you try to see if there is any possible trade available. You see that there is a possible trade between your copy of “The Ocean at the End of the Lane”, by Neil Gaiman for Stacey’s copy of “A Gathering of Shadows”. You then request the trade.

3rd Scenario

You have written a new book called “The Mystery of the Train” and, although you have a significant following, you don’t have a lot of money to spend on advertisement, as the costs are exuberant these days. To make sure you don’t let your new release go by your fans, you log in to the website and create a new book advertisement event with the name “Presentation and Autograph Session of the book: “The Mystery of the Train” for the next 7th of December of 2020 at 15pm.

Project’s URL

Using the following link, you can have access to all the reports made on the different stages of the project:

[IPM Project \(unbreakablekid.github.io\)](https://unbreakablekid.github.io)

Incomplete

The main purpose of our application is to offer a simple way to create and join an already existing club. It also provides the possibility to manage your books in the sense that you can have three different lists: Wishlist, books read and favourite books.

Moreover, it offers an easy way to make trades between users. This is facilitated by combining your Wishlist with your friends’ books read list and shows you all the possible trades between those two friends.

Lastly, authors can promote their work by creating online or physical events. This functionality is very useful for authors that are not so famous or do not have the means to promote their work without losing money. This way, users can see all the events on the system and register to some event that they would like to attend.

We focus the development of this prototype on the frontend of the application so there are many functionalities that are not complete since it requires a more advanced backend than the one we made.

- **Homepage**

Since we focused on the frontend, this page just shows some possible information that it could appear on the homepage if the application was fully operational.

- **Books page**

Shows a few pre-defined books. Moreover, the idea was to give the possibility to the user to add the books he wanted to the one or more of the following lists: wishlist, books read or favourite books. However, since this was not in any of our scenarios, we decided to force these 3 lists and not implement that option.

- **Events page**

In this page you can explore all the existing events and enrol on the events that you would like to go. However, since it was not part of any of the principal scenarios, the part of cancelling the enrolment is not implemented.

- **Trade page**

As said before, we force the lists: wishlist, books read and favourite books. Therefore, in this page, no matter which user is logged in, the list presented is always the same.

We made it this way, because we were more focused on the frontend than the backend and we wanted to make the trade request as simple as possible without worrying about backend problems.

Moreover, this process is not completed in the sense that we consider that after requesting a trade, the other user will receive an email from the user who requested the trade. After this, both users can schedule the trade and inform the app of the result. However, we do not show the part of emails. Users can just request a trade or cancel it.

- **My Books page**

As said before, we force the lists: wishlist, books read and favourite books, as it is not a priority. So, in this page, no matter which user is logged in, all the lists are the same and there is no way to change it.

- **My Trades page**

Here, you can see the trades in process and the ones already made. Since we do not cover the entire trade process, the list of trades made is empty.

- **My clubs page/ Clubs page**

The processes of creating a club, joining clubs and adding users to a club are complete. However, it is not possible to leave or delete a club once the user joins it or creates it.

Application Description and Technical Details

We decided to create a web application and for that we used the OutSystems Platform.

Our application is composed of several pages/screens:

- **Homepage:** you can see the activity of your friends and authors you follow.
- **Books:** page where it is presented a list of different books.
- **Clubs:** displays a list of all the clubs and where you can create more.
- **Events:** page where you can search for ongoing events.
- **Trades:** shows all the possible trades that you can request and allows you to request or cancel any of the trades previously requested.
- **Basic Information:** shows the information of the user.
- **My books, My trades, My clubs and My events:** shows lists of the user's:
 - info regarding their preferences on books,
 - trades made and requested,
 - the clubs they belong to and/or created,
 - the events they enrolled and/or created.