

# **HYPERMEDIA WEBSITE PROJECT**

Design Document

Marco Gasperini - 10533178@polimi.it

Ibrahim El Shemy - 10491265@polimi.it

Davide Hu - 10493858@polimi.it

A.Y. 2018/2019 ??/?/? delivery date

---

# Contents

<b>1 Abstract</b>	<b>3</b>
<b>2 Design-in-the-large</b>	<b>4</b>
2.1 C-IDM . . . . .	4
<b>3 Scenarios</b>	<b>5</b>
3.1 First scenario . . . . .	5
3.2 Second scenario . . . . .	5
3.3 Third scenario . . . . .	5
<b>4 Design-in-the-small</b>	<b>7</b>
4.1 L-IDM . . . . .	7
4.2 Home page . . . . .	7
<b>5 Design of DB</b>	<b>8</b>

---

# 1 Abstract

The scope of this document is to show the development of the project assigned during the Hypermedia Applications in the academic year 2018/2019. The project consists in the development of a website which purpose is to let the user to be able to purchase either books or eBooks, retrieve information about authors and events. In particular it will be shown the design model associated to the development of the Front End of the website and how the User interacts with it. For this purpose we have used the schemes C, L - IDM which show respectively:

- The conceptual model and the decisions related to it
- The logical scheme in detail

The document will be organized as follows:

- **Abstract**

In this chapter we provide a brief introduction to the document.

- **Design-in-the-large**

In this chapter we provide detailed information about the Design-in-the-large, in addition with the C-IDM diagram.

- **Design-in-the-small**

In this chapter we provide detailed information about the Design-in-the-small, in addition with the L-IDM diagram.

- **Scenarios**

In this chapter we presented some scenarios with some commented miniaturized screenshots that the user would use to traverse to execute a specific scenario.

- **DB Design**

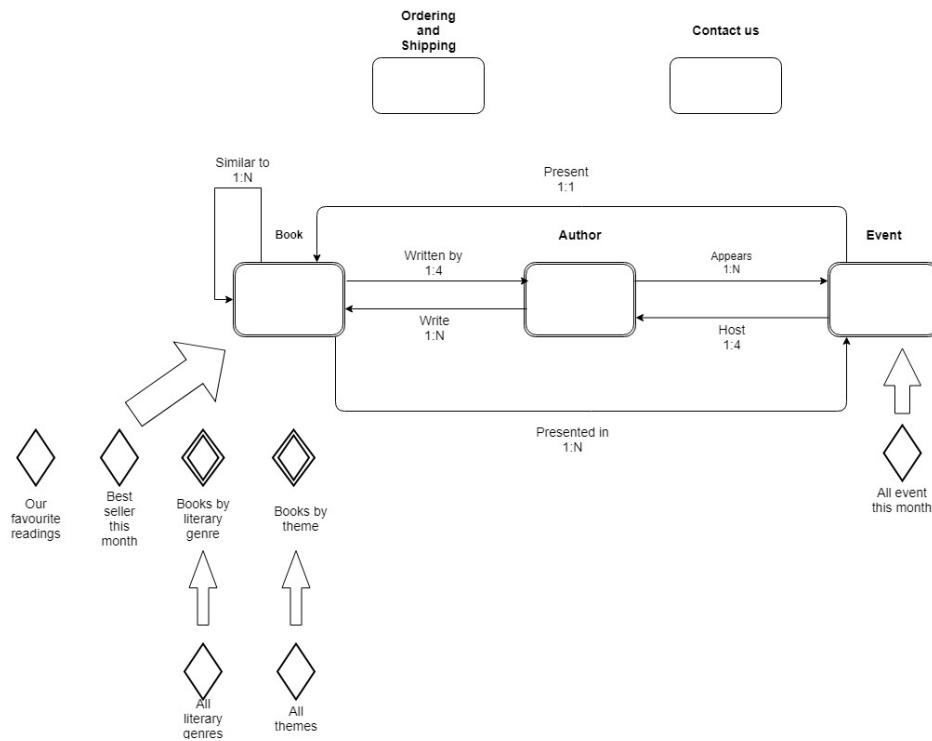
In this chapter we present the Database, along with the E-R diagram and the Relational Tables from the main pages.

---

## 2 Design-in-the-large

### 2.1 C-IDM

In this scheme we reported all the Topic, Kind of Topic, Group of Topic and Multiple Groups of Topic regarding the specifications, including the Relevant Relations and the requested cardinalities.



---

## 3 Scenarios

In this section we can find three scenarios with a little description of them and some commented miniaturized screenshots that the user would traverse to execute the scenario.

### 3.1 First scenario

Elisabetta, is a big fan of the Harry Potter series. She would like to get in contact directly with the author of her favourite books, J. K. Rowling and so she decided to browse our website to find some events that may suite her desire. She visits the *HomePage* and from there, she scroll down along the page and reads about the *Event* page. She clicks on the *Event* link and is redirected to a page where she can find a list of events. She finally finds an event that fulfills her needs and retrieves information about the date and place. By clicking on the *Show map* button she can also have an accurate information about where the event is held.

AGGIUNGERE Screenshot DEI PASSAGGI!

### 3.2 Second scenario

Giovanni and Gianluca are two friends that share together the passion of reading and both are registered to our website. Since Gianluca's birthday is in a couple of day, Giovanni decides to gift him a book. From the *HomePage* he clicks on the *Book* landmark and is suddenly redirected to a page where he can find several books. He chooses one of them by clicking on it and then by clicking on the *Add to cart* button he adds it to the shopping cart. He then visits the *Shop* page where he complete the payment by clicking on the *Process payment* button.

AGGIUNGERE Screenshot DEI PASSAGGI!

### 3.3 Third scenario

Federico is a high school student and needs to do some homework research about an author of the Italian literature, Paolo Giordano. He visits our *HomePage*, and by scrolling down he finds a link, *Author*, with an image and some brief description about what he will find in that page. He clicks on the link and then is redirected to a page where he finds a list of different authors. He looks for Paolo Giordano, and by clicking on his image he can retrieve all

---

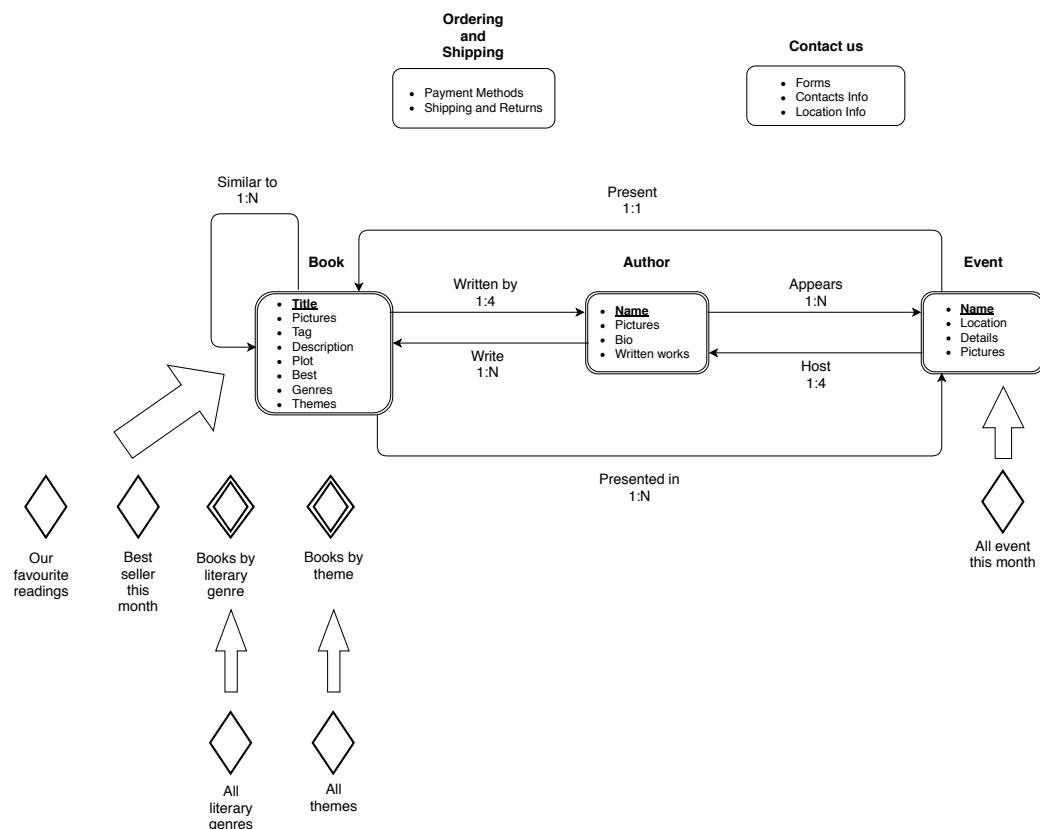
the information he needed.

AGGIUNGERE Screenshot DEI PASSAGGI!

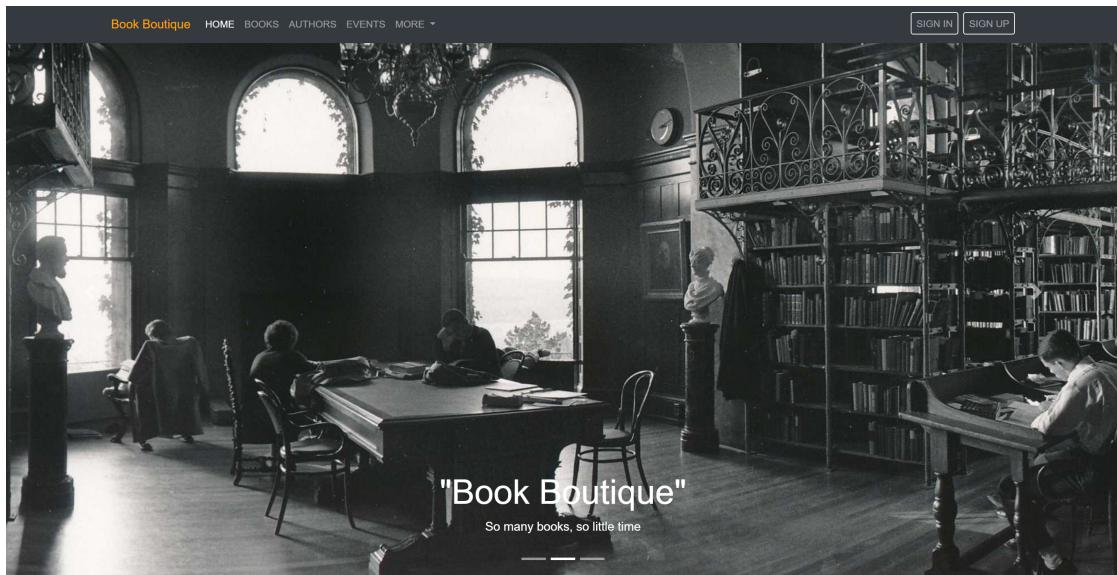
## 4 Design-in-the-small

### 4.1 L-IDM

In the transaction from the conceptual scheme to the logical scheme, we added the Dialogue Acts concerning the Topics and Kind of Topics and the Introductory Dialogue Acts corresponding to the Group of Topic and the Multiple Groups of Topic, previously presented in the C-IDM.



### 4.2 Home page



## Books

Explore our website where we selected for you a great variety of books and eBooks. You will find Science fiction, Drama, Fantasy, Biography, Thriller, Romance and Narrative books and eBooks, oriented to different users' tastes and ages. What are you waiting for? Check us out!



## Authors

Find curiosities and informations about many authors from all over the World! Read about great authors such as Paolo Giordano and Joanne Rowling.

## Events

Events are always a good moment where you can share your passion for books with other people. You will also have the opportunity to get in contacts with your favourite authors. We collected for you the best and latest events!



## About Us

Book Boutique is the project of 3 friends who share together the passion of reading and came up with this idea in 2016. Our intent was to spread this passion, trying to impassionate other people, selling interesting and books rich of constructive knowledge.



### Book Boutique

Sometimes, you read a book and it fills you with this weird evangelical zeal, and you become convinced that the shattered world will never be put back together unless and until all living humans read the book.

## Subscribe to the newsletter

By clicking on the subscribe button you will receive notifications about the latest releases and events.

 [Subscribe](#)

**BOOK BOUTIQUE**

Welcome to our website! Here you can find  
some of the most cherished books in the World!

**PRODUCTS**

[BOOKS](#)  
[AUTHORS](#)  
[EVENTS](#)

**USEFUL LINKS**

[INFO](#)  
[CONTACT US](#)  
[FAQ](#)  
[PRIVACY POLICY](#)

**CONTACTS**

 Milano, MI 20142, IT  
 [bookboutique@info.it](mailto:bookboutique@info.it)  
 + 02 234 567 88  
 + 02 224 567 89

© 2019 Copyright: Politecnico Di Milano

---

## **5 Design of DB**