

HYPERMEDIA WEBSITE PROJECT

Design Document

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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.

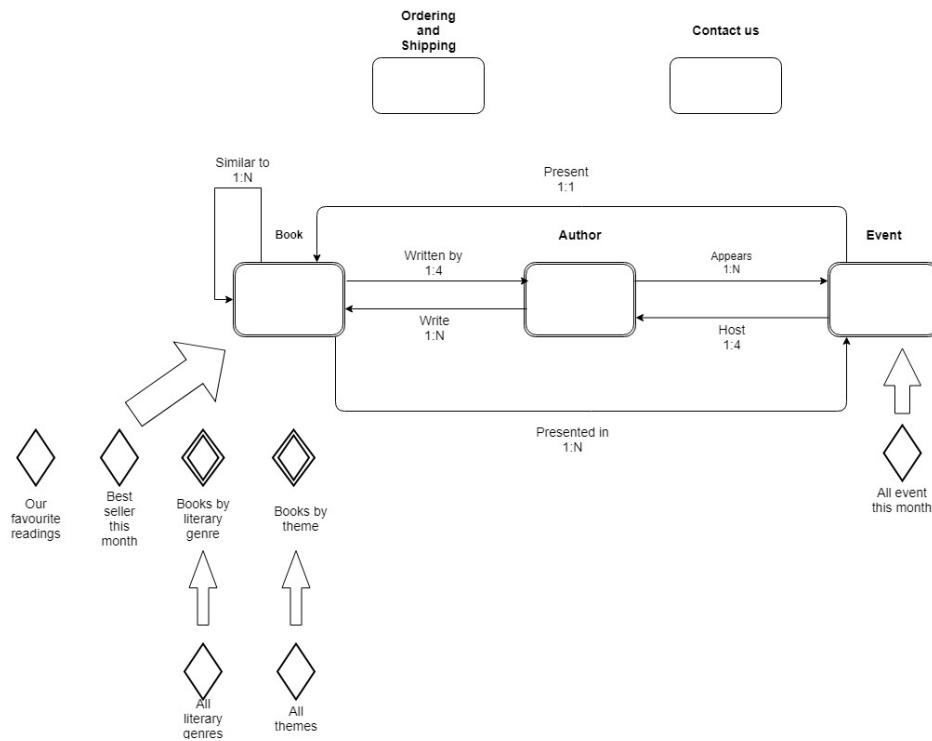
- **DB Design**

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

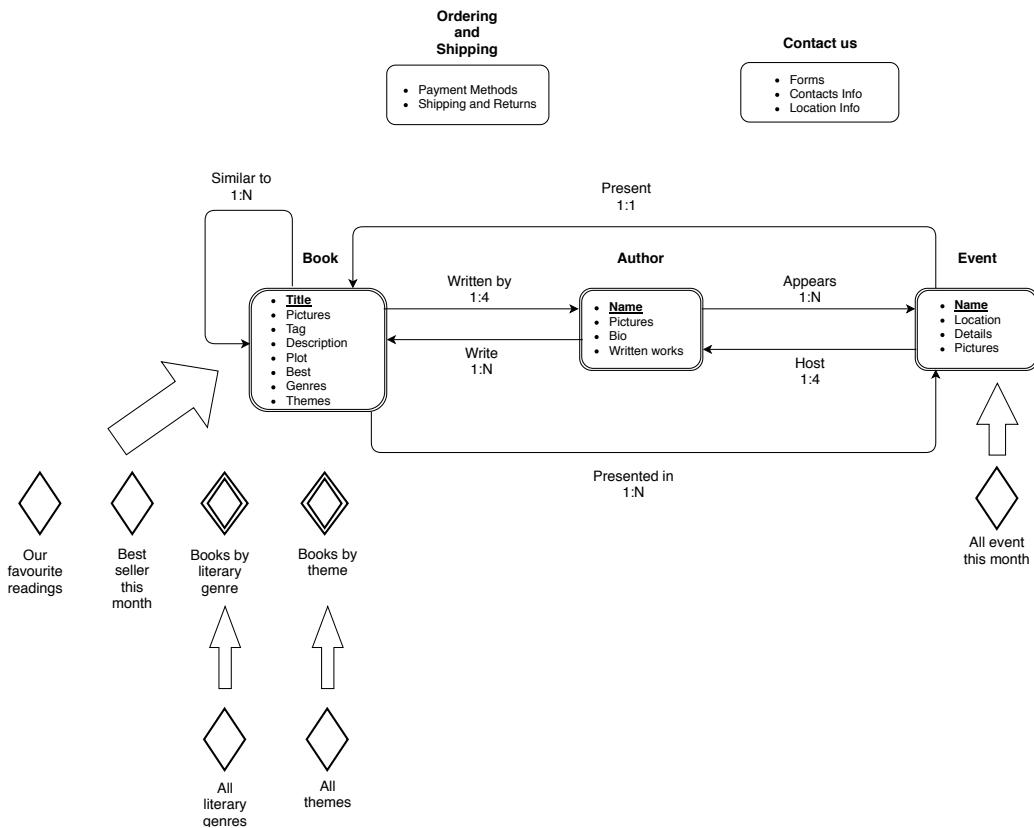
2.1 C-IDM

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.



2.2 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.



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 Introduction

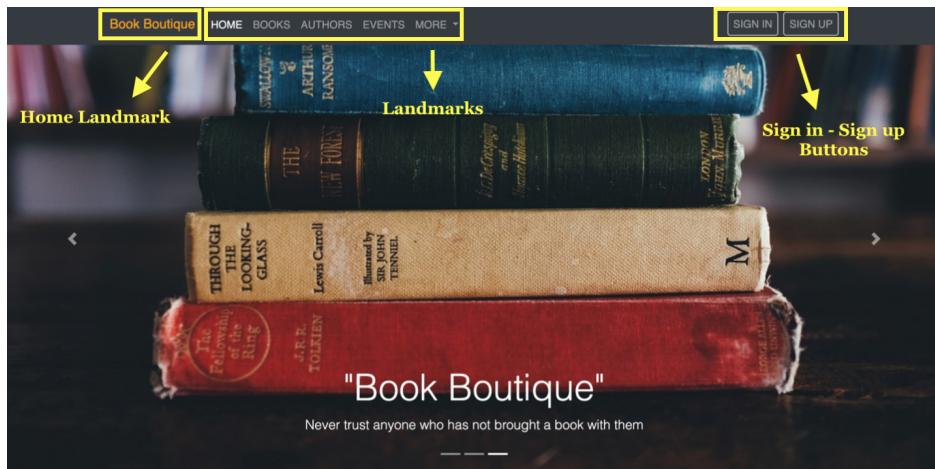
In this chapter we will present the prototype of our Web Application, aiming to highlight the design choices for the single page.

Our prototype has been developed using three different languages: HTML, CSS and JavaScript, relying on the Bootstrap 4.0 framework.

We will outline with some brief comments the main elements that characterize each single page, avoiding repetitions from other pages.

Furthermore, there will be no reference to the pages that were not mandatory in the specifications document.

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!

Transition Link to Books Page



Authors

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

Transition Link to Authors Page

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!

Transition Link to Events Page



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.

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Best

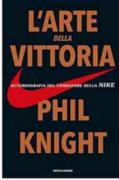
- Best Sellers
- BB favourites

Genres

- Science fiction
- Drama
- Fantasy
- Biography
- Thriller
- Romance
- Narrative

Themes

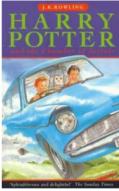
- Drug
- Youth
- Social status
- Politic
- Solitude
- Love
- Happiness



L'ARTE DELLA VITTORIA
Autobiografia del fondatore della NIKE
PHIL KNIGHT



WHITE AS MILK, RED AS BLOOD
Alessandro D'Avenia



HARRY POTTER AND THE CHAMBER OF SECRETS
Joanne Rowling

SHOE DOG
Phil Knight
12.5€
Tag: social status, biography
Description: is a memoir by Nike co-founder Phil Knight.[3] The memoir chronicles the history of Nike from its early struggles to its evolution into one of the world's most recognized and profitable companies.Bill Gates named Shoe Dog one of his five favorite boo...

[MORE DETAILS](#) [AUTHOR](#)

WHITE AS MILK, RED AS BLOOD
Alessandro D'Avenia
18.9€
Tag: love, narrative
Description: This is the story of a schoolboy that is in love with redhaired school beauty but too shy to tell her. When he finds out she is very sick, he looks her up in the hospital. His best friend is not amused....

[MORE DETAILS](#) [AUTHOR](#)

HARRY POTTER AND THE CHAMBER OF SECRETS
Joanne Rowling
15.89€
Tag: social status, fantasy
Description: Harry Potter and the Chamber of Secrets is a fantasy novel written by British author J. K. Rowling and the second novel in the Harry Potter series. The plot follows Harry's second year at Hogwarts School of Witchcraft and Wizardry, during which a seri...

[MORE DETAILS](#) [AUTHOR](#)



THE SOLITUDE OF PRIME NUMBERS

Paolo Giordano

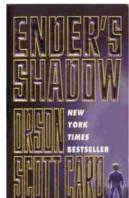
14.77€

Tag: solitude, narrative

Description: The novel narrates the childhood and early adulthood of a boy and girl who were each exposed to traumatic situations that followed them into adulthood. Both are outsiders, similar to how prime numbers are outsiders in relation to the other numbers. T...

[MORE DETAILS](#)

[AUTHOR](#)



ENDER'S SHADOW

Orson Scott Card

11€

Tag: happiness, romance

Description: Ender's Shadow (1999) is a parallel romance novel by the American author Orson Scott Card, taking place at the same time as the novel Ender's Game and depicting some of the same events from the point of view of Bean, a supporting character in the ori...

[MORE DETAILS](#)

[AUTHOR](#)

1 2 3

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4.4 Authors

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GIORDANO PAOLO
Bio: Paolo Giordano (Turin, 19 December 1982) is an Italian writer and physicist. In 2008 he won the Strega Prize with his first novel: *The Solitude of Prime Numbers*. Paolo Giordano lives in Turin. His father Bruno is a gynecologist; his mother Iris is an English teacher; has an older sister, Cecilia, three years older.

[MORE DETAILS](#)



DISTEFANO ANTONIO
Bio: Antonio Dikale Distefano (Busto Arsizio, 25 May 1992) is an Italian writer. Born in Busto Arsizio to Angolan parents, he spent his childhood and adolescence in Ravenna, became fond of hip-hop music by composing some songs under the pseudonym "Nashy". In 2013 he was part of the Arab Spring duo.

[MORE DETAILS](#)



HAWKINS PAULA
Bio: Paula Hawkins, also known by the pseudonym Amy Silver (Harare, 26 August 1972), is a British writer and journalist. Born in Harare, Zimbabwe, daughter of a professor of economics and a financial journalist. He moved to London when he was 17 years old. He studied philosophy, politics and economics at the University of Oxford, then worked as a journalist for the Times. He has also worked for a number of freelance publications and has written a financial advisory book for women, entitled *The Money Goddess*.

[MORE DETAILS](#)



D'AVENIA ALESSANDRO
Bio: Alessandro D'Avenia (Palermo, 2 May 1977) is an Italian writer, teacher and screenwriter. D'Avenia was born on 2 May 1977, in Palermo, by Rita and Giuseppe, 3rd of 6 children. In 1990 he attended the Vittorio Emanuele II high school in Palermo, where he met father Pino Puglisi (he taught religion in the same institute) from whose figure he was strongly influenced.

[MORE DETAILS](#)



KNIGHT PHIL
Bio: Philip Hampton Knight is an American entrepreneur, business manager and film producer, co-founder and emeritus president of Nike after having been the CEO and president for over 50 years, he is the owner of Laka Entertainment.

[MORE DETAILS](#)

1 2

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4.5 Events

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**AMERICAN BOOK FEST**
Date: 2019-03-15
Time: 16:30:00
Location: New York
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**HP FEST**
Date: 2019-03-22
Time: 18:00:00
Location: London
[SHOW MAP](#) [SHOW BOOK](#)

**SMELLO LIBRI**
Date: 2019-02-28
Time: 22:00:00
Location: Magaluf
[SHOW MAP](#) [SHOW BOOK](#)

**HARRY POTTER MEETING**
Date: 2019-02-01
Time: 15:00:00
Location: New York
[SHOW MAP](#) [SHOW BOOK](#)

**ETNA COMICS**
Date: 2019-09-28
Time: 21:00:00
Location: Catania
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5 Design of DB