Online/Web Shop

Project Specification

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1 Project Overview

Our project is an online bookshop where people can search for books, see their information and buy them. Users will be able to use advanced search capabilities, browse books by categories and buy one or more books in a single transaction using various payment methods.

The system will mainly be based on the Book Depository, which is an online book retailer for physical books, and the type of commerce to be practiced is the business to client, which will replace the physical processes that involve commercial transactions by performing them remotely via the Web.

On this project, we will be using Enterprise Resource Planning software *Primavera*, which we will adapt to deal with all the data and processes surrounding inventories, transactions and information about each book. The application's back-end and the communication layer with the ERP will be done in C# using the ASP.NET framework, and the front-end done using Bootstrap. Finally, GitHub will be used for version control and general development.

2 Functionalities/Features

User Story ID	Name
US01	As an user, I want to be able to search for a book on a search bar located on the navbar of every page.
US02	As an user, I want that the results of searching on the search bar to include books with a title that is a full or partial correspondence to the string I gave.
US03	As an user, I want to have a page where I can see details of a specific book, such as its language, ISBN, publication date and description.
US04	As a user, I want to make a search by category, so that I can choose a book when I'm not sure of what I want to buy.
US05	As a visitor, I want to register myself into the system, so that I can authenticate myself into the website.
US06	As a visitor, I want to be able to *login* on the site so that I can access privileged information.
US07	As a registered user, I want to be able to add a book to my cart and continue to search for more books to buy
US08	As a registered user, I want to be able to remove a book from my cart.
US09	As a registered user, I want to be able to finish my purchase, on a page where I can set the quantity I want of each product, see the final price and select the payment method.
US10	As a registered user, I want to be able to see my order history.
US11	As a registered user, I want to be able to see the state of each order made.
US12	As a registered user, I want to log out of the system so I can no longer access privileged information.
US13	As a registered user, I want to be able to see and edit my personal information.
US14	As an user, I want to be able to access the homepage so I can see new and popular books.

Table 1: User stories

3 Information Architecture

In this section we show and explain each core view in relation to the mockups in which they appear. The core views are always surrounded by a **dark blue rectangle**, as the core view seldom matches the whole page.

3.1 Homepage/Splash page

Figure 1: Core View: V_001: splash page of the website

3.1.1 Elements of the core:

1. **KPI_101:** Search Bar
2. **KPI_102:** Navigation Bar
3. **KPI_103:** Profile Section
4. **KPI_104:** Internal Teaser
5. **KPI_105:** Most Popular Section
6. **KPI_106:** Recent Books Section
7. **KPI_107:** Footer

3.1.2 User and Business Goals:

1. Present the website to the user
2. Authenticate/Register on the website
3. Authenticate/Register on the website

4. Search for a Book

5. See popular/recent books

6. Go to a category page

7. Go to user's cart page

3.2 Page for each book

Figure 2: Core View: V_002: Product(Book) page

3.2.1 Elements of the core:

1. **KPI_201:** Image of the Product

2. **KPI_202:** Specification of the Product

3. **KPI_203:** Add to Cart Button

3.2.2 User and Business Goals:

1. See all the information about the Product

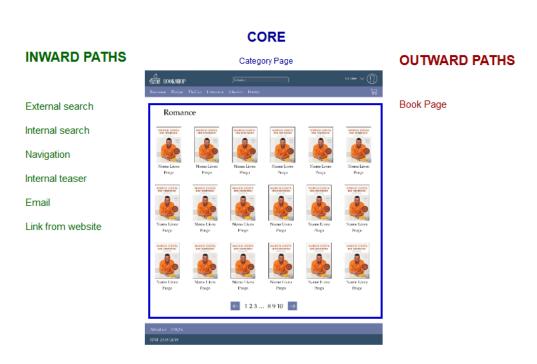2. Allow the user to add the Book to the cart

3.3 Page for each category

Figure 3: Core View: V_003: Category(Book) page

3.3.1 Elements of the core:

1. **KPI_301:** Grid showing books from the chosen category

3.3.2 User and Business Goals:

1. Search books by category
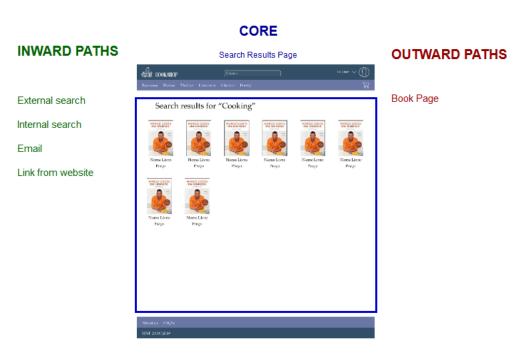
3.4 Page for search results

Figure 4: Core View: V_004: Search Results page

3.4.1 Elements of the core:

1. **KPI_401:** Grid showing the books that relate to the search made by the user

3.4.2 User and Business Goals:

1. See the Product whose title relates to the search made by the user
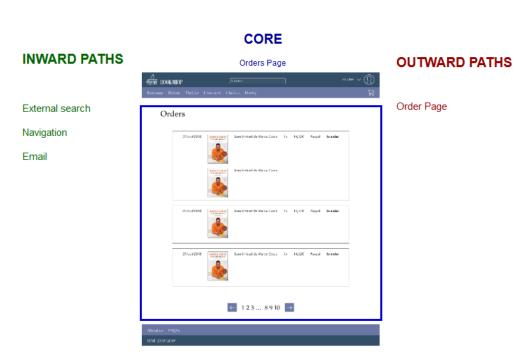
3.5 Orders page

Figure 5: Core View: V_005: Orders page

3.5.1 Elements of the core:

1. **KPI_501:** Element holding the information about an individual order, with the total price, date and the book(s) chosen.

3.5.2 User and Business Goals:

1. See orders and their status and specifications
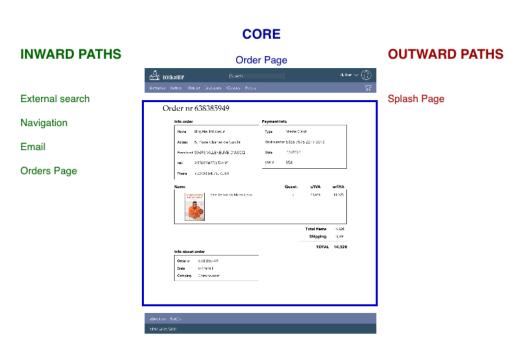
3.6   Specific Order page

Figure 6: Core View: V_006: Specific Order page

3.6.1   Elements of the core:

1. **KPI_601:** Book(s) chosen for the order

2. **KPI_602:** User related information

3. **KPI_603:** Payment information

4. **KPI_604:** Order information

3.6.2   User and Business Goals:

1. See a specific order and all information related to it

2. Access receipt of the order
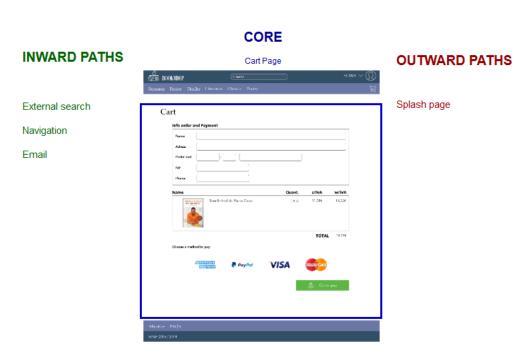
3.7 Cart page

Figure 7: Core View: V_007: Cart Page

3.7.1 Elements of the core:

1. **KPI_701:** Order details form

2. **KPI_702:** Order summary

3. **KPI_703:** Place the order Button

3.7.2 User and Business Goals:

1. Review all the order details

2. Make an order

3.8 Profile page

Figure 8: Core View: V_008: Profile Page

3.8.1 Elements of the core:

1. **KPI_801:** Image of Profile

2. **KPI_802:** Information of Profile

3. **KPI_803:** Change Password Box

3.8.2 User and Business Goals:

1. Access my profile information

2. Change profile information

4 Sitemap

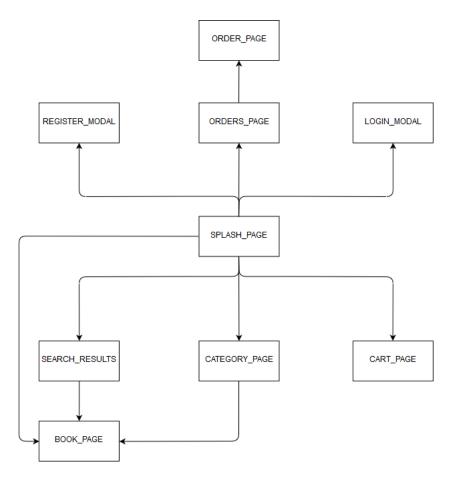Figure 9: Sitemap

5 Planning

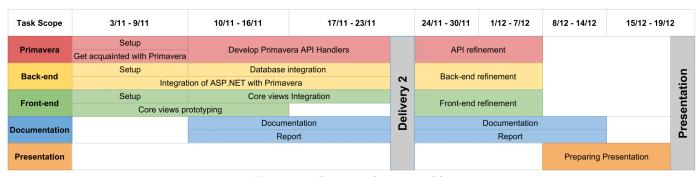| Task Scope	3/11 - 9/11	10/11 - 16/11	17/11 - 23/11	24/11 - 30/11	1/12 - 7/12	8/12 - 14/12	15/12 - 19/12
Primavera	Setup / Get acquainted with Primavera	Develop Primavera API Handlers		Delivery 2	API refinement		Presentation
Back-end	Setup / Integration of ASP.NET with Primavera	Database integration			Back-end refinement		
Front-end	Setup / Core views prototyping	Core views Integration			Front-end refinement		
Documentation		Documentation / Report			Documentation / Report		
Presentation						Preparing Presentation	

Figure 10: Project planning table

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