Web Store P1

Deliverable 1

U. PORTO

FEUP **FACULDADE DE ENGENHARIA**
UNIVERSIDADE DO PORTO

Mestrado Integrado em Engenharia Informática e Computação

Sistemas de Informação

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Content

1 Cronogram

	10/7/2016	10/14/2016	10/21/2016	10/28/2016
WEEK	1	2	3	4
Resume	Choose the project	Started Project about Web Store	WebStore - "Deliverable #1-Project Specifications"	Prototype Init
Status	Continues	Continues	Finish	Continues
	11/4/2016	11/11/2016	11/18/2016	11/25/2016
WEEK	5	6	7	8
Resume	Primavera Integration	Project	Project	Prototype Presentation
Status	Continues	Continues	Continues	Finish
	12/2/2016	12/9/2016	12/16/2016	
WEEK	9	10	11	
Resume	Project	Project	Final Presentation and Report	
Status	Continues	Continues	Finish	

2 Project Overview

The aim of the project is to develop and implement an online book store integrated with the Enterprise Resource Planning Primavera.

In order to achieve this goal we will have to first, identify the project core views, second, develop the online bookstore, third, develop the interface between the application and the ERP and at last to create a test plan and execute it.

The team allocated will be constituted by 5 developers that will execute in a shared way all the project tasks.

The time scale established to deliver the project is 2 months.

The project also has an educational importance, because it's already changing way of planning and thinking in development projects while having in mind several concerns that were once neglected.

3 Functionalities/Features

Feature ID	Description	Purpose	Core View ID
F-001	Sign Up	Adhere to the website	HOMEPAGE
F-002	Sign In	Permissions to B2B and B2C users	HOMEPAGE
F-003	Search Engine	List desired books	N/A
F-004	View Best Deals Info	List books in promotion	BOOK-DISPLAYER
F-005	View Top Result Info	List most accurate result	BOOK-DISPLAYER
F-006	View Results Info	List more similar results	BOOK-DISPLAYER
F-007	Books Catalogue	Overview books	HOMEPAGE
F-008	Book Profile	List a book's furhter details	BOOK-DETAILS
F-009	Top Books Info	Overview best rated books	HOMEPAGE
F-010	Related Books Info	List books related to the selected	BOOK-DETAILS
F-011	Rate Book	Contribute to books' classification	BOOK-DETAILS
F-012	Categories Info	Overview categories	HOMEPAGE
F-013	Top Authors Info	Overview best rated authors	HOMEPAGE
F-014	Shopping Cart	Aggroupate to-be-purchased books	N/A
F-015	Dashboard	User transactions' info	N/A

4 Information Architecture

4.1 HOMEPAGE Core View

Core View ID: HOMEPAGE

Business Goals
Give a service overview to the user
Focus the user attention on the most attractive items and authors

Inward Paths
Email
Home button
External Search
Advertisements
Navigation
Website Link

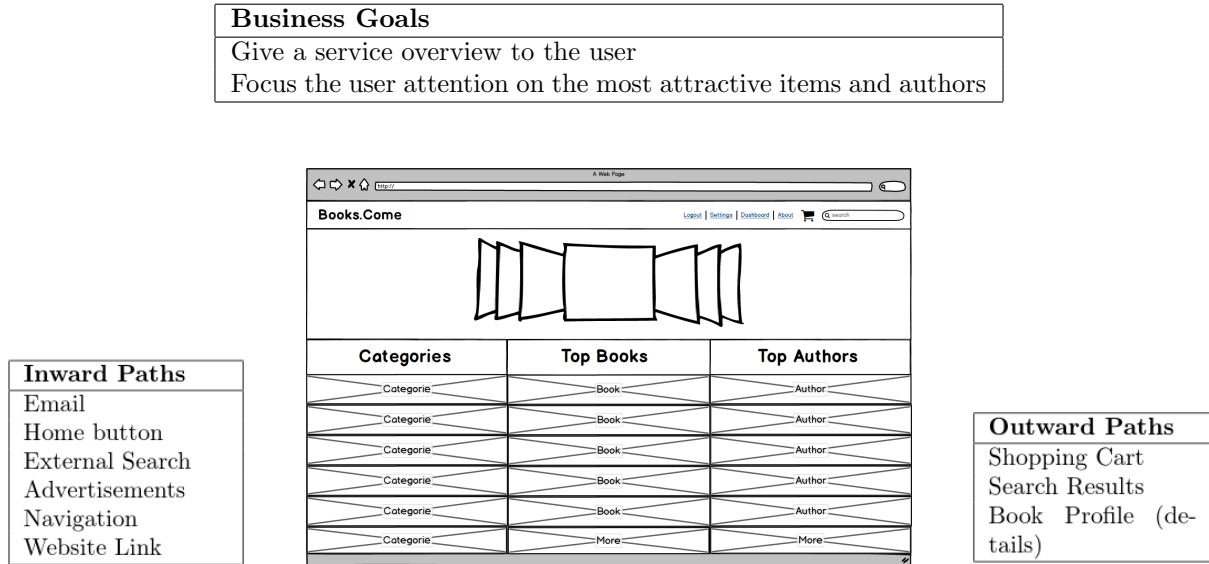| Outward Paths |
|---|
| Shopping Cart |
| Search Results |
| Book Profile (details) |

Figura 1: Website Home Page

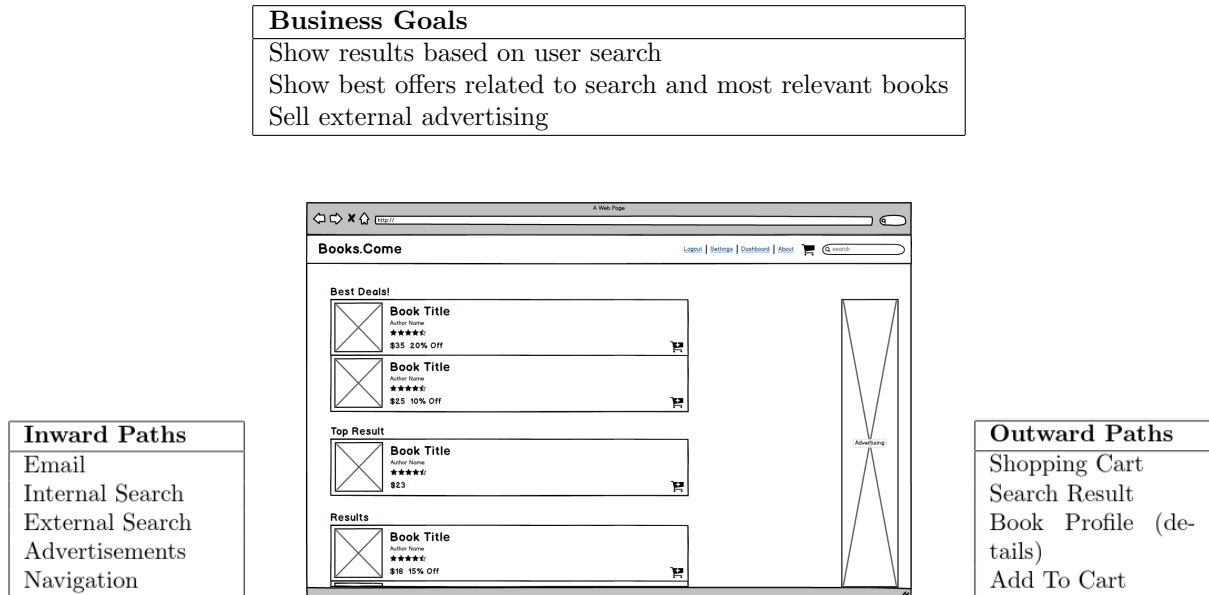| Core Elements |
|---|
| LINK-BUTTON-001 (LINK-BUTTON) — Logout |
| LINK-BUTTON-002 (LINK-BUTTON) — Settings |
| LINK-BUTTON-003 (LINK-BUTTON) — Dashboard |
| LINK-BUTTON-004 (LINK-BUTTON) — About |
| LINK-BUTTON-005 (LINK-BUTTON) — Shopping Cart |
| SEARCH-001 (SEARCH) — Search Engine |
| HOMEPAGE-001 (HOMEPAGE) — Home Page Icon |
| COVERFLOW-001 (COVERFLOW) — Recommended Books |
| BUTTON-LIST-001 (BUTTON-LIST) — Category |
| BUTTON-LIST-002 (BUTTON-LIST) — Top Book |
| BUTTON-LIST-003 (BUTTON-LIST) — Top Author |
| HEADER-001 (HEADER) — Header |

4.2   BOOK-DISPLAYER Core View

Core View ID: BOOK-DISPLAYER

Business Goals
Show results based on user search
Show best offers related to search and most relevant books
Sell external advertising

Figura 2: Book Displayer

Inward Paths
Email
Internal Search
External Search
Advertisements
Navigation

Outward Paths
Shopping Cart
Search Result
Book Profile (details)
Add To Cart

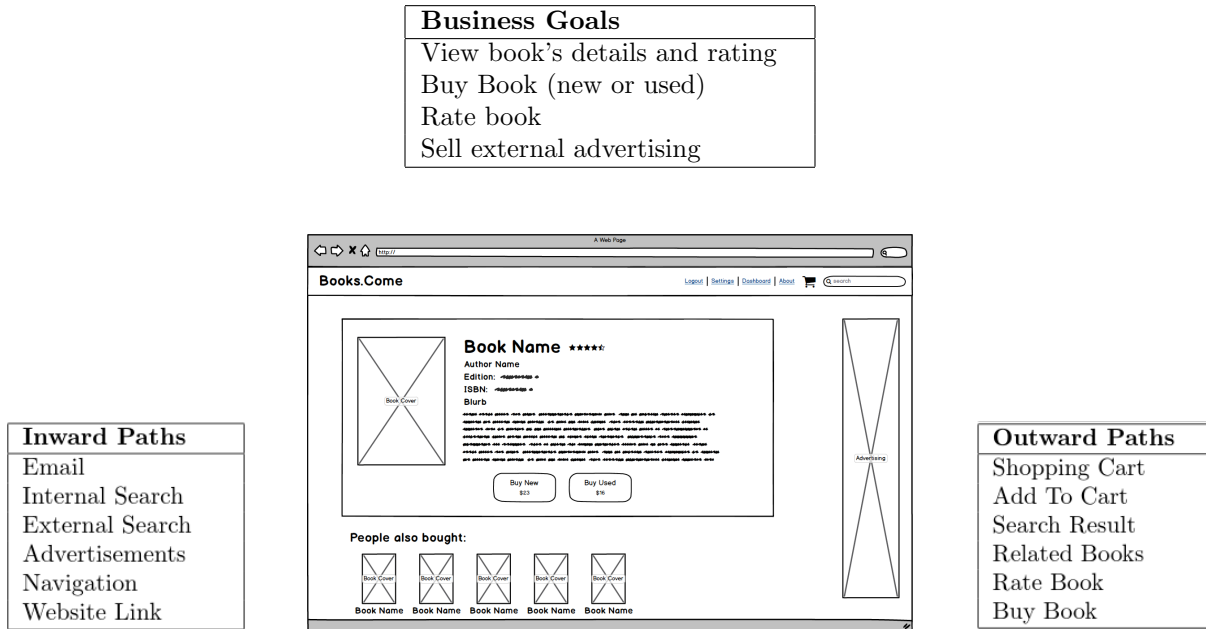| Core Elements |
|---|
| LINK-BUTTON-006 (LINK-BUTTON) — Logout |
| LINK-BUTTON-007 (LINK-BUTTON) — Settings |
| LINK-BUTTON-008 (LINK-BUTTON) — Dashboard |
| LINK-BUTTON-009 (LINK-BUTTON) — About |
| LINK-BUTTON-010 (LINK-BUTTON) — Shopping Cart |
| SEARCH-002 (SEARCH) — Search Engine |
| HOMEPAGE-002 (HOMEPAGE) — Home Page Icon |
| SEARCH-LIST-001 (SEARCH-LIST) — Best Deals |
| SEARCH-LIST-002 (SEARCH-LIST) — Top results |
| SEARCH-LIST-003 (SEARCH-LIST) — Results |
| ADVERT-001 (ADVERT) — Advertisement |
| HEADER-002 (HEADER) — Header |

4.3 BOOK-DETAILS Core View

Core View ID: BOOK-DETAILS

Business Goals
View book's details and rating
Buy Book (new or used)
Rate book
Sell external advertising

Inward Paths
Email
Internal Search
External Search
Advertisements
Navigation
Website Link

Outward Paths
Shopping Cart
Add To Cart
Search Result
Related Books
Rate Book
Buy Book

Figura 3: Book Details

Core Elements
LINK-BUTTON-011 (LINK-BUTTON) — Logout
LINK-BUTTON-012 (LINK-BUTTON) — Settings
LINK-BUTTON-013 (LINK-BUTTON) — Dashboard
LINK-BUTTON-014 (LINK-BUTTON) — About
LINK-BUTTON-015 (LINK-BUTTON) — Shopping Cart
SEARCH-003 (SEARCH) — Search Engine
HOMEPAGE-003 (HOMEPAGE) — Home Page Icon
ROUNDED-BUTTON-001 (ROUNDED-BUTTON) — Buy New
ROUNDED-BUTTON-002 (ROUNDED-BUTTON) — Buy Used
BIG-BOOKIMAGE-001 (BIG-IMAGE) — Book Image
BIG-BOOKIMAGE-002 (BIG-IMAGE)— People Also Bought Books
ADVERT-002 (ADVERT) — Advertising
BOOK-DETAIL-001 (BOOK-DETAIL) — Book details
HEADER-003 (HEADER) — Header

5 Interoperability with Primavera

5.1 HOMEPAGE Core View

Webservice ID	Description	Route+Verb	Input Ex	Expected Output

get-top5-authors	Returns a list of the 5 authors who sold more book	GET host/api/authors/top	N/A	`{`
				`"top":{`
				`"1":{`
				`"id":"x"`
				`"name":"x"`
				`"image":"x"`
				`},`
				
				`"2":{`
				`"id":"x"`
				`"name":"x"`
				`"image":"x"`
				`},`
				`...`
				`}`

get-top5-books	Returns a list of the 5 most sold books	GET host/api/books/top	N/A	`{`
				`"top":{`
				`"1":{`
				`"id":"x"`
				`"name":"x"`
				`"image":"x"`
				`"authorName:"x"`
				`},`
				
				`"2":{`
				`"id":"x"`
				`"name":"x"`
				`"image":"x"`
				`"authorName:"x"`
				`},`
				`...`
				`}`

Webservice ID	Description	Route+Verb	Input Ex	Expected Output

get-10newest-books	Returns a list of the 10 most recent books	GET site/books/-newest	N/A	`{`
				`"top":{`
				`"1":{`
				`"id":"x"`
				`"name":"x"`
				`"image":"x"`
				`"authorName:"x"`
				`},`
				
				`"2":{`
				`"id":"x"`
				`"name":"x"`
				`"image":"x"`
				`"authorName:"x"`
				`},`
				`...`
				`}`

5.2 BOOK-DISPLAYER Core View

Webservice ID	Description	Route+Verb	Input Ex	Expected Output
get-book-bds	Returns search best book deals (discounts)	GET site/books?type=blah &location=here&etc =key-word, POST site/books {book: ...}, (generic POST and GET on RESTful Interface)	User search (String)	```{ "deals":{ "deal1":{ "id":"x" "name":"x" "image":"x" "authorName:"x" "price":"x" "discount":"x" }, "deal2":{ "id":"x" "name":"x" "image":"x" "authorName:"x" "price":"x" "discount":"x" }, ... }```

Webservice ID	Description	Route+Verb	Input Ex	Expected Output

get-book-brs	Returns search best rated books	GET site/books?type=blah&location=here&etc=key-word, POST site/books {book: ...}, (generic POST and GET on RESTful Interface)	User search (String)	<pre>{
				 "ratedBooks":{
				  "ratedBook1":{
				   "id":"x"
				   "name":"x"
				   "image":"x"
				   "authorName:"x"
				   "price":"x"
				  },
				  "ratedBook2":{
				   "id":"x"
				   "name":"x"
				   "image":"x"
				   "authorName:"x"
				   "price":"x"
				  },
				}</pre>

get-book-or	Returns search other results besides top rated and top deals book	GET site/books?type=blah&location=here&etc=key-word, POST site/books {book: ...}, (generic POST and GET on RESTful Interface)	User search (String)	<pre>{
				 "results":{
				  "result1":{
				   "id":"x"
				   "name":"x"
				   "image":"x"
				   "authorName:"x"
				   "price":"x"
				   "discount":"x"
				  }
				  ...
				}</pre>

5.3 BOOK-DETAILS Core View

Webservice ID	Description	Route+Verb	Input Ex	Expected Output

get-book	Returns a book's information when given its ID	GET site/books/-bookID	Product ID, exemplo: 001	`{`
				`"book":{`
				`  "1":{`
				`    "id":"x"`
				`    "name":"x"`
				`    "image":"x"`
				`    "author":"x"`
				`    "edition":"x"`
				`    "ISBN":"x"`
				`    "blurb":"x"`
				`    "rating":"x"`
				`  }`
				`}`

get-related-books	Returns similar books to the one in the view	GET site/bookID/BookID-related	BookID	`{`
				`"related":{`
				`  "book1":{`
				`    "id":"x"`
				`    "name":"x"`
				`    "image":"x"`
				`    "authorName:"x"`
				`  },`
				`  "book2":{`
				`    "id":"x"`
				`    "name":"x"`
				`    "image":"x"`
				`    "authorName:"x"`
				`  },`
				`  ...`
				`}`

Webservice ID	Description	Route+Verb	Input Ex	Expected Output
post-book-rating	Submits the book's rate given by the user	POST site/books/bookID-customerReview	[1,5]	N/A
add-book-to-cart	Submits the book's pretended to the cart	POST	BookID, UserID	N/A