

# Why Not Zoidberg?

## Testing Report

Version 1.0  
11/28/2012

Prepared for  
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**Team Name: Planet Express**

Team Facilitator - Chris Raborg

Requirements Leader - David Guldán

Design Leader - Kevin Yu

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### Document Versioning Control

Version Number	Date	Changes from Previous Version
1.0	11/28/12	Introduction, Purpose, Description of Testing Process

## 1. Introduction

### 1.1 Purpose of this Document

The testing report document is an outline of the testing process that was used to test the various parts of the online shopping system, Why Not Zoidberg?, made by the developers at Planet Express. The intention of this document is to give the customer, Ms. Lisa Matthews, and any other user the detailed processes that were carried out to make sure the system is well tested and performs properly. The team put a lot of effort into testing various methods and functions they created, as well as testing data validation when modifying local data and database records.

### 1.2 References

Guldan, Dave, Hisley, Zach, Raborg, Chris, Sperbeck, Matt, Yu, Kevin. Software Requirements Document. 2012.

Guldan, Dave, Hisley, Zach, Raborg, Chris, Sperbeck, Matt, Yu, Kevin. Software Design Document. 2012.

## 2. Testing Process

### 2.1 Description

Our team's main programmers basically subdivided themselves into working on separate parts of the working product. Mr. Kevin Yu provided much of the backbone of the project, included, but not limited to, the HTML and CSS scripts for the home page. Mr. Yu also had responsibility of bringing all of the code from the other programmers together to make sure all of the components worked together. Mr. David Guldán was responsible for much of the data entry for the system, which combined a mix of HTML, PHP and Javascript (the administrator page, edit inventory page, login/create account, add funds...). He performed a lot of testing to ensure that the data validation worked properly, trying rare cases to make sure the user did not enter in anything the system might find unexpected. Mr. Christopher Raborg wrote a lot of PHP modules for the system for things that required interaction with the database and other dynamic items (Popular Genres, Shopping Cart, Browse...). Mr. Christopher Raborg tried to write independent test cases with the code that was available to him, so that when the modules were delivered, they would, for the most part, be satisfactory and bugfree.

Unfortunately, for the most part, there were some errors that made combining the code a bit of a mess. One of the worst offenders was the PHP session, which is required to be opened before any html code is displayed. There were many cases where one of us tested the PHP session with our own code and the results would be fine, but when we combined it with another PHP or HTML page, the system would get a syntax error. Fortunately after the team inspected the code, there were very few bugs remaining and we were able to begin testing the code in its useable form, testing functionality such as logging in and out, using the shopping cart, running search queries and adding/removing items from the inventory.

## 2.2 Testing Sessions

Date:	11/28/2012
Location:	ITE 4th floor
Time Started:	12:00 PM
Time Ended:	8:00 PM
Tester(s) name:	Chris Raborg, David Guldán, Kevin Yu
Tests Performed:	Browse, Search, Admin Page(s), Shopping Cart, Create Account, Add Funds

Date:	11/30/2012
Location:	Retriever Learning Center
Time Started:	12:00 PM
Time Ended:	8:00 PM
Tester(s) name:	Chris Raborg, Zach Hisley, David Guldán, Kevin Yu, Matt Sperbeck
Tests Performed:	All of the modules

Date:	12/03/2012
Location:	ITE
Time Started:	12:00 PM
Time Ended:	2:00 PM
Tester(s) name:	Chris Raborg, Zach Hisley, David Guldán, Kevin Yu
Tests Performed:	Add Funds, Shopping Cart

### 2.3 Impressions of the Process

The Testing Process was definitely a lot more useful and structured than the Code Inspection. One of the big problems with the code inspection was that the whole code inspection process was intertwined with the coding process itself. If the code did not work, one or more of the programmers would have to find the bug in the system and resolve it on the spot, otherwise nothing would work. The Testing Process was a lot easier, because the entire system was completed and the whole team was able to run separate testing modules. Parallelizing the system process made the whole process faster.

### 3. Test Results

#### 3.1 Testing Suites

#	Suite	Description
1	Database Population	<ul style="list-style-type: none"><li>• Adding/editing/removing items from database.</li></ul>
2	Database Modification	<ul style="list-style-type: none"><li>• Updating the items in the database through the admin control panel.</li><li>• Update the quantity of an item when a user checkout their shopping cart.</li></ul>
3	Database Deletion	<ul style="list-style-type: none"><li>• Removing an item in the database through the admin control panel.</li></ul>
4	Account Verification	<ul style="list-style-type: none"><li>• Check if user(s) and admin can login to the system.</li></ul>
5	Account Creation	<ul style="list-style-type: none"><li>• Add a new account to the database.</li></ul>
6	Data Verification	<ul style="list-style-type: none"><li>• Check to see if the quantity of an item added to the shopping cart is 1-99 inclusive.</li><li>• Check to see if there is enough books in the database to sell to the user.</li></ul>
7	Item Insertion	<ul style="list-style-type: none"><li>• Check to see if the user can add a book to their shopping cart.</li></ul>
8	Item Modification	<ul style="list-style-type: none"><li>• Check to see if admin can modify an existing book in the database.</li></ul>
9	Item Deletion	<ul style="list-style-type: none"><li>• Check to see if the books are removed from shopping cart when a user checkouts.</li></ul>
10	Browse Item	<ul style="list-style-type: none"><li>• Check to see that the browse page properly displays the proper information on a given item.</li></ul>



### 3.2 Test Results

#	Description	Input Value	Expected Output	Actual Output	P/F	Comments	Tester
1	Account Verification with existing account	Login: administrator Password: administrator	Redirect to index-build.php	Redirect to index-build.php	P		KY
2	Account Verification with non-existing account	Login: hello1234 Password: herpderp	Warn the user and redirect them to createAccount.php	Warn the user and redirect them to createAccount.php	P		KY
3	Account creation	Login: Caravela Password: ***** Address: 16412 Apache Lane  City: Gaithersburg Zipcode: 20878	The same as the input information under the view account page	The same as the input information under the view account page.	P	It works!	MS
4	Admin control panel accessible only to administrator	A non-admin account information	Not being able to see the control panel	Not able to see the control panel	P		MS
5	Creating a book with a ISBN less than 10.	12345	Warn the user that the ISBN must be 10 numbers	Warns the user that the ISBN must be 10 number	P		KY
6	Admin can access the control panel	Admin account information	The control panel is visible	The control panel was visible	P		MS
7	Creating a book with a correct ISBN	ISBN: 0060764899	Pulls up The Lion, the Witch, and the Wardrobe	Pulls up The Lion, the Witch, and the Wardrobe	P		KY

8	Editing a book through the control panel	ISBN: 0060764899, pulls up edit, change price to 6.40 and quantity to 100, and title to The Lion, the Witch, and the Zoidberg	Price of 6.40, and quantity of 100, and title of The Lion, the Witch, and the Zoidberg	Price of 6.40, and quantity of 100 and title of The Lion, the Witch, and the Zoidberg	P		MS
9	Search for a book returns correct results	Searched for "the lion"	Returns "The Lion, the Witch, and the Wardrobe"	Returned "The Lion, the Witch, and the Wardrobe"	P		MS

## Appendix A – Team Review Sign-off

We agree as a team that we have documented the system design to the fullest possible extent and that we shall consult the team and the customer to make said changes for the final product.

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Christopher Raborg, Team Facilitator

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David Guldán, Requirements Leader

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Kevin Yu, Design Leader

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Zachary Hisley, Implementation Leader

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Matt Sperbeck, Delivery Leader

## **Appendix B – Document Contributions**

**\*TO BE INCLUDED IN A SEPARATE FILE\***