



# Big Fish eCommerce

BF Address Validation.doc

Last Updated: 3-Oct-2012

# TABLE OF CONTENTS

<b><u>1</u></b>	<b><u>Modification History</u></b>	<b>3</b>
<b><u>2</u></b>	<b><u>Overview</u></b>	<b>4</b>
<b><u>3</u></b>	<b><u>Responsive Processing</u></b>	<b>5</b>
3.1	<u>Visual Guideline</u>	5
3.2	<u>Processing Rules</u>	5
<b><u>4</u></b>	<b><u>Validation Processing</u></b>	<b>6</b>
4.1	<u>Visual Guideline</u>	6
4.2	<u>Processing Rules</u>	6
4.3	<u>Address is incorrect</u>	6
4.4	<u>Address is Incorrect, Alternatives Available</u>	7

## 1 Modification History

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Date	Who	Comments
3-Oct-12	Salmon	Initial

## 2 Overview

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- This document will describe the validation for all addresses
- External services
  - May be used to obtain accurate addresses, or be used for validation
  - “Responsive” services will provide for easy lookup of addresses based on key information (example: PostCodeAnywhere)
  - “Validation” services will allow for customer entry of the address and then be used for validation purposes (example: Melissa Data)
- Responsive Services
  - PostCodeAnywhere:
    - This implementation is “responsive” in that it acts less as a validation component and more as a helper
    - Customers are prompted for key address information in a drop-down entry box
    - Matching results are then displayed
    - The Customer can pick from one of the available matches
    - BigFish will complete the Address entry (City, State etc.)
- Validation Services
  - Melissa Data
    - This service is a typical “validator” process
    - The Customer will enter all relevant address information
    - This information is then validated via a service call
    - Errors are highlighted as appropriate
  - US Post Office
    - Future implementation
  - UPS (United Parcel Service)
    - [https://www.ups.com/upsdeveloperkit/downloadresource?loc=en\\_US](https://www.ups.com/upsdeveloperkit/downloadresource?loc=en_US)
  - Additional Processing
    - In all cases the Customer must have the ability to “use entered address” regardless of validation errors
    - Depending on the service an additional feature may be “did you mean” with a presentation of possible correct addresses
- Address Validation should be applied wherever addresses can be entered or edited, including:
  - Registration
  - Address Book
  - Check Out
  - Request Catalog

**NOTE:** It is possible that a client implementation will have both a “responsive” and a “validation” component

### 3 Responsive Processing

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#### 3.1 Visual Guideline

Address	
Responsive Lookup:	<input type="text" value="Enter partial address here and I will find a match for you"/>
Address 1:	<input type="text"/>
Address 2:	<input type="text"/>
City:	<input type="text"/>
State:	<input type="text" value="Drop down"/>
Zip:	<input type="text"/>
<input type="button" value="Submit"/>	

#### 3.2 Processing Rules

- The responsive lookup component will attempt to match to known addresses
- Dynamic results may be displayed in a drop-down or popup component
- The customer selects on a result and the Address fields on the form are auto-populated from that selection

## 4 Validation Processing

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### 4.1 Visual Guideline

Address	
Country:	<input type="text" value="Drop-down"/>
Address 1:	<input type="text"/>
Address 2:	<input type="text"/>
City:	<input type="text"/>
State:	<input type="text" value="Drop down"/>
Zip:	<input type="text"/>
<input type="button" value="Submit"/>	

### 4.2 Processing Rules

- Depending on the configuration, a validation service is executed
- There are 3 results that should be handled:
  - Address is OK, no further processing required
  - Address is incorrect, customer has the option of correcting or stating that the address as entered should be used
  - Address is incorrect, and the service call has identified alternatives. Customer also has the option to use the entered address

### 4.3 Address is incorrect

[Your Address is incorrect, please verify. If the address is correct, then check the "Use As Entered" checkbox and continue.]

Address	
Country:	<input type="text" value="United States"/>
Address 1:	<input type="text" value="1 Main Street"/>
Address 2:	<input type="text"/>
City:	<input type="text" value="Mainville"/>
State:	<input type="text" value="New York"/>

Zip:	<input type="text" value="11223"/>	<input type="button" value="Submit"/>
<input type="checkbox"/> Address as entered above is correct		

- A checkbox is displayed that will allow for the customer to use the Address as entered (or modified)
- If the checkbox is checked, then the Submit action will accept the entered address. This is the case even if the customer modifies the information on the form.
- If the customer is NOT checked, then the validation service will be executed once more. Processing is then dependent on the validity of the entered address.
- The checkbox must be part of the DIV-Sequencing strategy so that it can be placed above or below the entered address

#### 4.4 **Address is Incorrect, Alternatives Available**

- **NOTE:** we do not currently have a client requirement for this processing flow. This should be considered but **NOT IMPLEMENTED**

[Your Address is incorrect, please verify. If the address is correct, then check the "Use As Entered" checkbox and continue.]

Address	
Country:	<input type="text" value="United States"/>
Address 1:	<input type="text" value="1 Main Street"/>
Address 2:	<input type="text"/>
City:	<input type="text" value="Mainville"/>
State:	<input type="text" value="New York"/>
Zip:	<input type="text" value="11223"/>
<input type="checkbox"/> Address as entered above is correct	
<input type="button" value="Submit"/>	
Did You Mean ...	
Country:	United States
Address 1:	11 Main Avenue
City:	Mineola
State:	New York
Zip:	11501
<input type="button" value="Use This Address"/>	

- The button "Use This Address" will paste the information from the Alternate Address section into the Main Address section
- A checkbox is displayed that will allow for the customer to use the Address as entered (or modified)
- If the checkbox is checked, then the Submit action will accept the entered address. This is the case even if the customer modifies the information on the form.
- If the customer is NOT checked, then the validation service will be executed once more. Processing is then dependent on the validity of the entered address.
- The checkbox and alternate address must be part of the DIV-Sequencing strategy so that it can be placed above or below the entered address