

# Use Cases

for

# Wonderful Widget Company

# E-Shopping Web Site

Version 1.0 approved

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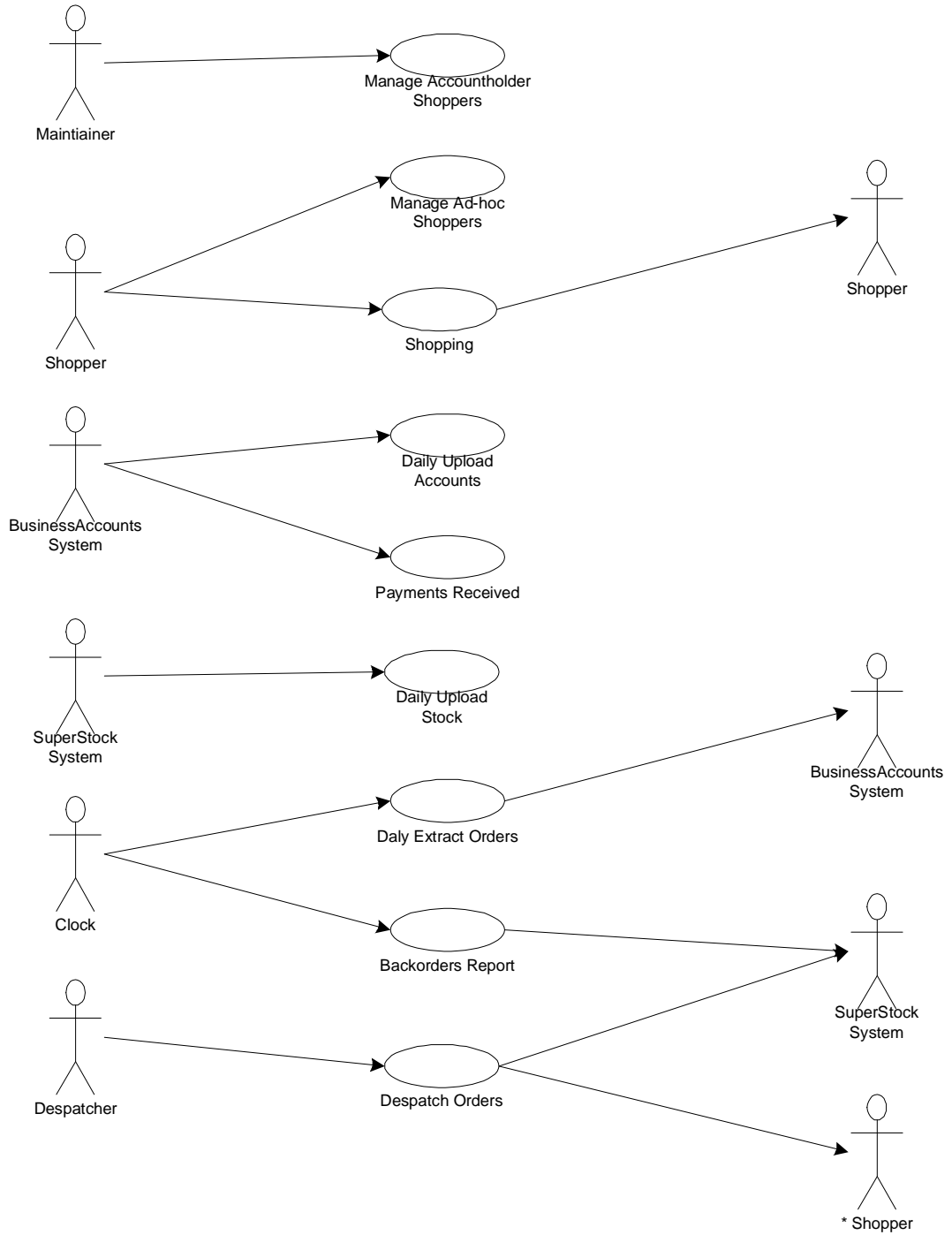
January 2003

## Revision History

Name	Date	Reason For Changes	Version
Initial Draft	20 Jan 2003	Initial Draft for review	0.1
Courseware	23 Jan 2003	Final set for Use Case course	1.0

### The Wonderful Widget Company Web Based E-Shopping System

#### Use Case Diagram



**Textual, detailed format:**

Use Case: 001 Manage Accountholder Shoppers

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**CHARACTERISTIC INFORMATION**

Goal in Context: This use case allows an authorised person in the marketing department to manage the list of authorised Shoppers linked to account customers. It provides the ability to add, change and delete individuals authorised by our customers to make e-commerce transactions on their behalf.

Scope: E-Commerce Storefront

Level: Primary task.

Preconditions: Account customers already configured in BusinessAccounts system.

Success End Condition: Details of Shoppers linked to account customers have been maintained

Failed End Condition: No Change to Shoppers linked to account customers

Primary Actor: Data Maintainer

Trigger: Receipt of new/changed Shopper details from an account customer

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**MAIN SUCCESS SCENARIO**

- 1: This use case starts when the person undertaking maintenance of account holder Shoppers (Maintainer) receives a request from an account customer to add/change shopper details.
2. The Maintainer logs into the E-Commerce system (inside the firewall)
3. The system validates the login details and displays the available functions.
4. The Maintainer selects Account Shopper Maintenance
5. The system allows the maintainer to select the account for which shoppers will be maintained (possibly using a list or a lookup window – TBD)
6. The maintainer selects the account.
7. The system displays a list of current Shoppers and allows selection of a function to be performed (Add/Change/Delete)
8. The maintainer selects an action to perform and enters the appropriate details.
9. The system logs the action and performs the task.

The maintainer is able to repeat steps 8-9 until they are finished with the current customer.

The maintainer is able to repeat steps 5-9 until they are finished maintaining Shopper details.

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**EXTENSIONS**

3a Login is not Valid : System rejects login (possibly allowing operator up to three tries before locking account – TBD).

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**RELATED INFORMATION (optional)**

Priority: Must – system will not work without this functionality

Performance Target: No more than 3 mins to add a new Shopper

Frequency: Estimated 2000 shoppers/year

Superordinate Use Case: N/A

Subordinate Use Cases: N/A

Channel to primary actor: N/A

Secondary Actors: BusinessAccounts System – provides accountholder details.

Channel to Secondary Actors: File Import (see Use Case #)

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**OPEN ISSUES (optional)**

Waiting for decision IRO authentication rules for internal user logins.

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**SCHEDULE**

Due Date: TBD

**Table format:**

<b>USE CASE #</b>	002 Manage Ad-hoc Shoppers	
<b>Goal in Context</b>	This use case allows Shoppers who are not linked to account customers to register and control their information on the web site.	
<b>Scope &amp; Level</b>	E-Commerce Storefront Primary Task	
<b>Preconditions</b>	The E-Commerce system will be up and running, the Shopper will have accessed the e-shopping login web page.	
<b>Success End Condition</b>	Shopper details will have been updated	
<b>Failed End Condition</b>	No change to shopper details	
<b>Primary, Secondary Actors</b>	Shopper N/A	
<b>Trigger</b>	A Shopper accesses the web site to maintain their details	
<b>DESCRIPTION</b>	<b>Step</b>	<b>Action</b>
	1	Shopper opens the web site and selects the option to edit details
	2	The system displays the available options – add/change/delete
	3	The Shopper selects the operation they wish to perform
		Processing branches – see Extensions for Change/Delete, below for Add
	4	The system displays the new Shopper registration screen (specific details TBD, see screen mock-up for layout ideas)
	5	The Shopper enters the new details
	6	The system validates the new details for the shopper, especially the chosen user name and checks for duplicate user details. The system logs the action
	7	The System opens the Shopping page
	8	The Shopper is able to commence shopping
<b>EXTENSIONS</b>	<b>Step</b>	<b>Branching Action</b>
	3a	This extension happens when the Shopper selects Change
	3a1	The Shopper enters their Shopper ID and password
	3a2	The system validates the Shopper ID and password
	3a3	The system displays existing Shopper details
	3a4	The Shopper makes any changes
	3a5	The system validates the changes and logs the action
		Return to Step 7
	3a5.1	If the system fails to validate the changes the system displays an error message and returns to step 3a4 with errors highlighted
	3b	This extension happens when the Shopper selects Delete
	3b1	The Shopper enters their Shopper ID and password

	3b2	The system validates the Shopper ID and password
	3b3	The system displays existing Shopper details and asks for confirmation of the delete action
	3b4	The Shopper confirms the delete action
	3b5	The system deletes the Shopper details and logs the action
		The system displays a message indicating that the Shopper has been deleted
	3b6	The use case ends
	6a	The extension happens if the Shopper selects an existing user id.
	6a1	The system notifies the Shopper that the selected user ID is already in use.
	6a2	The system allows the Shopper to re-enter the user id
		Repeat until the Shopper has selected a valid user id or cancels the transaction.
		Return to step 7.
	*c	This extension happens if the system detects an invalid login
	*c1	The system displays an invalid userid/password message
	*c2	The Shopper re-enters the login details
	*c3	The system validates the details – TBD how many attempts and logging requirements.

<b>RELATED INFORMATION</b>	002 Manage Ad-hoc Shoppers
<b>Priority:</b>	Need – system is severely impacted if this functionality is not delivered (only account holder Shoppers will be able to use the system)
<b>Performance</b>	Less than 5 mins to add a new shopper
<b>Frequency</b>	Up to 5000 pa
<b>Channels to actors</b>	N/A
<b>OPEN ISSUES</b>	Validation/authentication rules TBD Specific information to be stored about a Shopper TBD
<b>Due Date</b>	TBD
<b>...any other management information...</b>	N/A
<b>Superordinates</b>	N/A
<b>Subordinates</b>	N/A

**Casual Format:**

Use Case: 003 Daily Upload Accounts

Details:

This use case happens on a daily basis, driven by a time trigger. On a daily basis the BusinessAccounts system will produce an extract file containing details of all account holder customers. This use case first clears the account customer information in the web site, and then reads the extract file and replaces the information in the web site with the details from this file.

Scope: E-Commerce Storefront

Level: Primary task.

**Weigers/RUP Format:**

Use Case ID:	004		
Use Case Name:	Daily Upload - Stock		
Created By:	Shane Hastie	Last Updated By:	Shane Hastie
Date Created:	20 Jan 2003	Date Last Updated:	23 Jan 2003

Actor:	Clock and SuperStock system
Description:	This use case is driven by the clock to extract current stock master details from the SuperStock system and push the details into the e-commerce system.
Preconditions:	SuperStock System is running
Postconditions:	E-Commerce system stock records will be updated
Priority:	Must - system will not work without this functionality
Frequency of Use:	Daily
Normal Course of Events:	<p>1) At a predefined time each day (could possibly be more than once per day in the future) the SuperStock system shall produce an extract file containing the following pieces of information about every product to be listed on the E-Shopping web site:</p> <ul style="list-style-type: none"> <li>• PRODUCT CODE</li> <li>• PRODUCT NAME</li> <li>• UNIT PRICE</li> <li>• AVAILABLE QUANTITY</li> </ul> <p>2) Upon recognition of the existence of the extract file, the system shall make a backup copy of the current stock file</p> <p>3) The system shall then clear the existing stock file records and import the new records from the extract file. Any transaction processing must be suspended while this process runs.</p> <p>3) The system shall log the successful completion of the import.</p> <p>4) Transaction processing shall be allowed to continue.</p>
Alternative Courses:	None
Exceptions:	<p>1) In the event of failure during the import process,</p> <ol style="list-style-type: none"> <li>1.1) The system shall log the failure,</li> <li>1.2) The system shall revert back to the previous version of the file.</li> <li>1.3) Transaction processing shall be allowed to continue</li> <li>1.4) The use case ends</li> </ol>
Includes:	
Special Requirements:	The SuperStock system must not create a partial extract file – processing is dependent on full replacement of the stock data.
Assumptions:	The SuperStock system is able to create the export file in an acceptable format
Notes and Issues:	Need to define if a partial import (merge-purge) process would be acceptable.