

Cordoba Rewards System 2014

Solution Design V07

Introduction

Cordoba provides branded eCommerce stores for other companies to use in their employee incentive schemes. The customer companies issue their employees (and/or their business partners) with points that they can use in their store like a currency to "buy" products.

The current system is a heavily customised version of OC 1.4.9.2 working multi-store mode. This is now reaching the end of its life and needs to be replaced with a new version with additional functionality. In addition the current system exhibits a number of limitations that Cordoba would like to overcome with the new version, for example due to the heavy alterations to core files Cordoba is unable to upgrade to newer versions of OC or use many of the extensions that are only designed for the newer versions of OC.

Overview of Proposed Solution

PPG's proposed strategy going forwards is to build a new system based upon version 1.5.6.4 of OpenCart integrated with some core standard 3rd Party extensions.

However, although this will provide a high proportion of what Cordoba needs, certain key functionality will still be missing either because it simply does not exist or because the extension that provides it is not properly supported. It is intended that this additional functionality will always be developed using the vQmod approach thereby abstracting code changes from the core system files.

From a hosting perspective the new system will be built upon the Amazon Web Services Elastic Cloud Compute (AWS EC2) platform, thereby providing Cordoba with a variety of benefits compared with the current scenario including scalability, adaptive resourcing and the ability to only pay for test & development facilities whilst they are actually in use.

The Solution Design documented below is based upon Cordoba's "Rewards 2014 System Statement of Functional Requirements V06".

Design Solution

Part 1 – Original System Phase 1 (based on OC 1.4.9.2)

#	Functional Change
1	<i>Modifications to OpenCart's internal router to support serving the statics (product catalogue images, site template, etc) from a separate domain.</i>
Solution Design	This is no longer required as it imposes undesirable constraints on the individual store designs. Therefore we will revert to a standard OC configuration.
2	<i>Removal of all guest checkout code from OpenCart.</i>
Solution Design	The Guest checkout feature will be disabled (and so will not appear to the user).
3	<i>Customer accounts were assigned to a store as opposed to being customers of all stores.</i>
Solution Design	Implemented as per stated requirement.
4	<i>A new customer hierarchy for customer departments was added which can be assigned and modified in the admin tool.</i>
Solution Design	This requirement will be fulfilled using the standard OC "Customer Group" feature; this allows you to organize your customer groups per store which in turn help you organize things like discounts, taxes, prices or inventory that may apply to that group. In its basic form it is non-hierarchical however through the use of "intelligent" Customer Group naming it can be pseudo-hierarchical.
5	<i>Internal routing of the catalogue was modified so that all stores are served from the incoming Apache vhost name rather than physical folder on disc.</i>
Solution Design	Not required – revert to standard OC architecture.
6	<i>Creation of "Product Catalogues" which group individual products and can be assigned to a store.</i>
Solution Design	This approach has caused a multiplicity of issues in the current system, particularly wrt orphaned products clogging the database. Therefore in the new system we will revert to standard OC architecture with a single master product catalogue (albeit fed from multiple, potentially disparate, supplier uploads).
7	<i>Removal of the original OpenCart mapping which saw products linked to a store.</i>
Solution Design	Revert to standard OC functionality will to allocate or de-allocate products to/from individual stores (this can be done at either category or individual product level, or a combination of the two).

8	<i>Product queries were changed so that shipping costs are included in the cost of the product based on the physical location of the store and the change imposed by a supplier - all configurable in the admin tool.</i>
Solution Design	<p>The new solution will revert to standard OC which offers a number of standard shipping options (but not, as standard, a separate shipping price per item). This paves the way to various shipping charge possibilities for the future (for example quantity based, weight based, delivery location based etc) but for the time being the system will be defaulted to "Free Shipping".</p> <p>The current custom & practice of having an upload file with separate columns for item cost and shipping price we be carried forwards to the new system (however a zero shipping cost will also be valid in the new system) via the file upload profile that will be used to add the shipping cost to the product cost to result in a single combined Price, as at present.</p>
9	<i>Extensions to the core OpenCart framework were made to simplify the creation of new components and extensions.</i>
Solution Design	This is not desirable due to the problems that it then incurs in terms of support, maintenance and upgrade. The new system will therefore revert to a standard architecture.
10	<i>Modifications to the core system were made to use a point based system where customers are assigned store credits which are deducted whenever a purchase is made.</i>
Solution Design	<p>Standard OC now incorporates the concept of Rewards Points (albeit with the intention that these are awarded in return for purchases made). This facility incorporates a Customer Account facility to allow individual users to see their points statement and a transaction history itemising the transactions that have taken place on points. It also offers the facility for points to be used to purchase items instead of currency. The standard system will be modified to ONLY allow points to be used to purchase items (and so for the financial purchase price to be hidden from the user).</p> <p>The current system works by utilising pseudo-currencies so that points can be used to make purchases by pretending that the points are a currency. This approach is no longer viable as it undermined attempts to link the Rewards system to Xero (the accounting system) which cannot accommodate pseudo-currencies.</p> <p>Note that a constraint of the proposed approach is that per product there will be a fixed conversion rate to points. The present system allows the points exchange rate to be set per store.</p>
11	<i>All shipping and payment code were stripped from OpenCart.</i>
Solution Design	Non-required Shipping and Payment code will be disabled (and so will not be visible to the user) but will not be stripped-out, thereby opening the possibility of future use and facilitating ongoing upgrade/maintenance etc.
12	<i>The OpenCart checkout process was streamlined into a single page.</i>
Solution Design	Implemented as per stated requirement.

13	<i>Points auditing was added to keep track of all points' transactions on the Website.</i>
Solution Design	The standard Open Cart Rewards Points reporting will be utilised.
14	<i>404 handling was added for unknown stores.</i>
Solution Design	This is not considered to be a requirement any longer and so has been omitted from the new system.
15	<i>Catalogue import script which automates the creation of products in the admin system.</i>
Solution Design	<p>Implemented as per stated requirement. In addition it will incorporate the possibility to create/save import profiles with resorting to programming, thereby ensuring that import files with differing formats (e.g. from different suppliers) can be accommodated:</p> <ul style="list-style-type: none"> • Imports using AJAX to avoid memory limits and PHP max execution time • Choose to either upload your CSV/XML file or download it from a URL or FTP • Set default product information, such as the default product status; stock status; tax, weight and length classes; and the default subtract stock option • Import into multiple OpenCart stores • Supports adding, updating or resetting your product list • Works with a variety of CSV delimiters and XML formats • Import multiple top level categories and subcategories • Import products into all categories or only bottom level subcategory • Supports multi store setups • Support for multi-language product information
16	<i>Customer account import script which automates the creation and update of customer records in the admin system.</i>
Solution Design	Implemented as per requirement (using a CSV file). In addition will optionally allow Admin Accounts to be set via the bulk upload, as well as initial points.
17	<i>Carousel was added to the catalogue which can be modified via the admin system.</i>
Solution Design	Revert to standard OC which offers a modifiable carousel as standard.
18	<i>Client admin system was added where customers can view the activity on their own store including order and customer reports. Based on the core OpenCart framework.</i>
Solution Design	Implemented as per stated requirement.

19	<i>Broke all core configuration settings into an external ini file for ease of deployment.</i>
Solution Design	This is not desirable due to the problems that it then incurs in terms of support, maintenance and upgrade. The new system will therefore revert to a standard architecture.
20	<i>Allow stores to define custom CSS overrides.</i>
Solution Design	Store specific CSS overrides (i.e. store specific styling) will be achieved by means of store-specific external stylesheets. (note that this implies the involvement of an IT person to customise the appearance of a store which is in any case a requirement in order to develop the CSS in the first place).
21	<i>Categories automatically fetch a product image if a category image has not been defined.</i>
Solution Design	Implemented as per stated requirement.
22	<i>Orders placed in the system are split out by supplier.</i>
Solution Design	<ul style="list-style-type: none"> • Each individual item will be associated with a preferred supplier • Generate multiple Purchase Orders directly from Sales Order with select and click (thereby allowing the items on one customer order to be ordered from different suppliers) • Automatic Purchase Order ID Generated and Purchase Order Table Updates • Purchase Order product cost price automatically entered in Purchase Order in supplier currency • Email Purchase Order to suppliers from within the Sales Order • Purchase Order history available from within the Sales Order
23	<i>Customer account activation route was added which allows customers to set a password based on email activation.</i>
Solution Design	Implemented as per stated requirement.
24	<i>Password resets now require the user to click a link in a confirmation email.</i>
Solution Design	Revert to standard OC - If a customer makes a reset password request then the password changes with a new, random password that is emailed to the user.
25	<i>Split out all email templates from models and controllers, pushed into their own view.</i>
Solution Design	This is not desirable due to the problems that it then incurs in terms of support, maintenance and upgrade. The new system will therefore revert to a standard architecture.

26	<i>HTML emails for order updates were created where only text emails existed in OpenCart core.</i>
Solution Design	This is bad practice as it can result in a higher than normal number of system emails being rejected as “spam”. Therefore revert to standard OC (i.e. text-based system emails).
27	<i>A purchase order generator was created.</i>
Solution Design	<ul style="list-style-type: none"> • View and edit table of all Purchase Orders with order price and status available to view • Orders displayed by number with most recent displayed first • View Orders and update Order Status • Create Purchase Order from Purchase Order Management screen • Purchase Order cost price currency captured and saved at the time of the order for use in calculating actual cost price at a later point. • Add inward shipping charge to Purchase Order for final cost price calculation • Record Purchase Invoice reference when Purchase Invoice is received. • Add tracking IDs to Purchase Orders for reference • Add anticipated delivery time to Purchase Order for reference • Sales Order ID visible and clickable from the Purchase Order Table or from within the actual Purchase Order. • Ability to add or remove products from a generated Purchase Order • Export purchase orders to CSV format to send to supplier <p>In addition an automation function will be provided that, optionally per product, allows the unattended auto-generation and auto-emailing of Purchase Orders back-to-back with the receipt of a Customer order (as requested by SMcD during the meeting of 13/1/15).</p>
28	<i>Empty categories are now not displayed in a store</i>
Solution Design	Implemented as per stated requirement.

Part 2 – Original System Phase 2 (based on OC 1.4.9.2)

29	<i>Display total points awarded and total points redeemed in users' points statement</i>
Solution Design	Implemented via standard OC functionality.
30	<i>Removed newsletter subscription option from customer account</i>
Solution Design	Newsletter subscription functionality to be hidden from users (but retained for compatibility reasons).
31	<i>Removed ability to select country in shipping address</i>
Solution Design	Revert to standard OC (system-wide shipping countries are selectable in the admin module).
32	<i>Points update statement email</i>
Solution Design	Not yet included in the design. Potentially MailChimp could/should be used for this (if a mass mailing).
33	<i>Added dates to customer report in client admin section</i>
Solution Design	Implemented as per stated requirement.
34	<i>Added dates to admin section transaction report</i>
Solution Design	<p>Implemented as a CSV export:</p> <p>Points Transaction Export filter options:</p> <ul style="list-style-type: none"> • Transaction Date Range • Store (selectable from dropdown including the option "All") • Email Address (optional) <p>Points Transaction Export to a CSV file containing the following fields (columns):</p> <ul style="list-style-type: none"> • Customer Email Address • Store • Points • Description • Date Added

35	<i>Catalogue amended to display products sorted by points value, lowest to highest as default</i>
Solution Design	Utilise standard OC – this allows user to self-select sort sequence (including lowest price to highest price).

Part 3 – Original System Phase 3 (based on OC 1.4.9.2)

36	<i>Add an Export Function to the Customers Tabular View</i>
Solution Design	<p>The fields included in the Customer Export file (which will be in CSV format) will be user-selectable to optionally include the following:</p> <ul style="list-style-type: none"> • firstname • lastname • email • telephone • fax • ip • date_added • company • address_1 • address_2 • postcode • city • country_id • zone_id • status • store_id • approved • is_clientadmin • reward_point_total
37	<i>Implementation of multi-language capability, can be enabled per store</i>
Solution Design	Utilise standard OC multi-language capability.
39	<i>Alter Catalogue Import Routine to Prevent Reformatting of Product Titles</i>
Solution Design	Implemented as per stated requirement.
40	<i>Implement Multi-Lingual Catalogue Import (UTF-8 encoding)</i>

Solution Design





The new system will support the import of foreign language Product Names and Product Description in a single import (rather than one import per language, as at present).

The way to do this is to select the languages you wish to import during Step 2 of the import profile configuration. Each language will then be available during the field mapping process of Step 4.

Step 2:

Language: ☒ Español ☒ English


Step 4:

Name 	None ▼
Name 	None ▼
Description 	None ▼
Description 	None ▼



When mapping your fields, you would put any Spanish content, like 'name_spanish' in the Spanish name field, and 'name_english' in the English flag field.

Similarly your Spanish description goes in the Spanish description field, and your English description in the English field.

Once mapped and imported the data will appear under the correct language tab in your Catalog -> Product Section.

 **Products**

General Data Links Attribute Option

 Español  English

* Product Name: Un producto españolas

41	<i>Only Allow Registered Users Access to the Rewards Stores</i>
Solution Design	Although requested this feature has never been utilised. It is assumed to no longer be required and so has been omitted from the new system.

Part 4 – Cordoba’s Requested Enhancements (based on “draft information for tender_131030c.docx”)

42	<i>Store templates - provide at least 3 layout options for clients to select</i>
Solution Design	<p>Although the default store of the new system will differ in appearance from the current system, not fully incorporated in the new system yet.</p> <p>Although standard OC allows different templates per store (and this, in principle, fulfils the requirement) there is a constraint – the basic layout (one, two or three columns) remains common across all stores within a single instance of OpenCart. Furthermore it is possible/probable that certain aspects (albeit a relatively small proportion) of the custom and extension vQmod coding may conflict with elements custom templates.</p> <p>The extent of this issue is unquantifiable without extensive testing of the new code and so cannot be undertaken until the new code is complete. Therefore it is assumed that this requirement will be addressed as a separate topic following implementation of the new system.</p>
43	<i>Site Visits - Able to view the number of time a site has been visited</i>
Solution Design	Implemented via the external Google Analytics facility. This offers extensive additional facilities such as data slicing/dicing/filtering by geo-location, screening-out internal visits etc. It also provides the opportunity for automated reports to be periodically emailed-out to a distribution list as required.
44	<i>Responsiveness - use on Mobiles/tablets as well as pc (Rewards app?)</i>
Solution Design	As originally conceived Responsiveness was to be achieved via a responsive OC template. However following the Q4 2014 launch of OC2 “responsiveness” has now been incorporated in the core system. Therefore two options can now be offered. The preferred option (a) is to stay within the standard OC 1.5.4 framework (i.e. non-responsive), thereby simplifying/facilitating/accelerating a potential future move to OC2 (As the “Rewards 2015” system). Option (b) is to implement a Responsive template as first intended.
45	<i>Rewards app to create an app for use with intelligent phones</i>
Solution Design	Responsiveness is specifically intended to maintain usability on a mobile device without resorting
46	<i>Store must be designed to cope with a range of international currencies</i>
Solution Design	Each store can be set to a base currency from the full range of ISO standard currencies. For accounting purposes transactions within that store will be referenced to the base currency. However products can be purchased/uploaded in the supplier’s base currency with automatic Cost Price Conversion from Supplier Currency to Store Currency. Store-wide inter-currency exchange rates can either be pegged to a fixed rate (manually revised) or linked to live currency markets.

47	<p><i>The new system must accommodate deliveries to various countries. The list of countries that are permitted to be delivered to must be definable per store.</i></p> <p><i>The initial selection of countries that can be included in the list of delivery countries is as follows:</i></p> <p><i>United Kingdom</i> <i>Republic of Ireland</i> <i>Sweden</i> <i>Austria</i> <i>Switzerland</i> <i>Denmark</i> <i>Finland</i> <i>Norway</i> <i>France</i> <i>Germany</i> <i>Italy</i> <i>Portugal</i> <i>Belgium</i> <i>Spain</i> <i>Netherlands</i> <i>USA</i> <i>India</i> <i>Australia</i> <i>UAE</i> <i>Japan</i> <i>New Zealand</i></p> <p><i>The system must accommodate additions to the list of possible delivery countries without recourse to bespoke software development.</i></p> <p><i>Address formats on order acknowledgements must correspond to the custom and practice in the destination country.</i></p>
Solution Design	Implemented as per stated requirement.

48	<p><i>The back-office/ dashboard/ administrative screens (including the Client Admin aspects) will always be displayed in English.</i></p> <p><i>The front-office/storefront screens must offer the possibility of being displayed in a variety of languages. The initial selection of languages to be available is:</i></p> <p><i>English</i> <i>French</i> <i>Italian</i> <i>German</i> <i>Dutch</i> <i>Spanish</i> <i>Portuguese</i></p> <p><i>The system must accommodate additions to the list of available languages without recourse to bespoke software development</i></p> <p><i>Variable product data (such as Product Name and Product Description) must offer the capability of being displayed in the selected language of the store (subject to suitable translations having been uploaded to the system).</i></p>
Solution Design	<p>Implemented as per stated requirement.</p> <p>Note that, as was the case with the current system, the translations will be derived from multiple sources such as the translations established for use in the existing system, standard language files and automated translation services. A translation agency will not be engaged to undertake the work and the translations may not be verified by native speakers of the languages concerned.</p>
49	<p><i>The customer account import facility must allow an individual customer's default country to be assigned to their customer record.</i></p> <p><i>When that customer is subsequently logged-into the system any displayed country fields (such as when entering a delivery address for an order) should default to the country associated with the customer in question (but remain changeable should the customer wish to do so).</i></p>

Solution Design	<p>The following fields (which include "Country") may optionally be included in a CSV file Customer upload:</p> <ul style="list-style-type: none"> • First Name: • Last Name: • E-mail: • Telephone: • Fax: • Password: (Password must be in plain text) • Newsletter: • Company: • Address Line 1: • Address Line 2: • Postcode: • City: • Country: • Zone: • Store: • Approved: • Client Admin: • Reward Points: • Status: <p>The system will offer the opportunity for the import file columns to be in any sequence and with any column labels (to suit the desired import file format).</p>
50	<p><i>The customer bulk uploader should allow the upload of email addresses without case-sensitivity (i.e. email addresses should upload successfully irrespective of whether they are in uppercase, lowercase or in a combination).</i></p> <p><i>Records that fail to be uploaded successfully, either due to them having invalid email address formats or due them being duplications of existing records, should generate a report (either on-screen or, preferably, in a log file or as a printable report). In the case that an individual record fails to upload the upload process should continue so that all valid records in the upload file are uploaded during a single session.</i></p>
Solution Design	<p>The bulk uploader will force all email addresses to lower case. In the case of an upload error the invalid entry will be displayed but the remaining valid entries will be uploaded.</p>
51	<p><i>An uploadable field should be incorporated in the customer record to contain a Client Reference Number (e.g. Dealer Number). This should be a Varchar field (i.e. can hold letters and numbers) of up to 32 characters length.</i></p>
Solution Design	<p>Implemented as per stated requirement. Standard OC address incorporate a field called "Fax". This is a 32 Varchar field and will be relabelled as "Dealer No."</p>

52	<i>Client structure set to allow various filters for management reports (Global client, country, company, region, team individual and deals)</i>
Solution Design	<p>The standard system has a series of fields which, if used creatively, should be able to deliver most of what is required. For example the customer record includes:</p> <ul style="list-style-type: none"> • store_id (which indirectly identifies the Global Customer) • customer_group_id • fax (which we are going to use to hold the Client Reference Number) <p>company - this is a 32 character Varchar field; it could be used creatively to contain company, region and team information in a single field.</p> <ul style="list-style-type: none"> • country <p>In addition the points data table includes: description – this can be used to include unlimited narrative detailing the deal etc that the points award relates to. It has a maximum length of 65,000 characters</p> <p>This approach agreed by PMcD during prior correspondence on the topic.</p>
53	<p><i>The Points bulk-uploader should allow the upload of email addresses without case-sensitivity (i.e. email addresses should upload successfully irrespective of whether they are in uppercase, lowercase or in a combination).</i></p> <p><i>Records that fail to be uploaded successfully (for example due to no corresponding customer record already being present on the system) should generate a report (either on-screen or, preferably, in a log file or as a printable report). In the case that an individual record fails to upload the upload process should continue so that all valid records in the upload file are uploaded during a single session.</i></p>
Solution Design	The points bulk uploader will force all email addresses to lower case to ensure that case sensitivity does not cause an upload failure.
54	<i>Possibility of clients to upload points themselves and resolve email address issues directly.</i>
Solution Design	Not included - Requirement withdrawn as per PMcD's email of 24/02/2014 15:51.
55	<i>The ability to load catalogues from different suppliers in their native format.</i>
Solution Design	The product importer will incorporate the option to create/save import profiles with resorting to programming, thereby ensuring that import files with differing column labels or sequences (e.g. from different suppliers) can be accommodated: Additionally import files may be in either XML or CSV format (the two industry standards for file-based data transfer).
56	<i>The option to add a single global % mark-up to all the products from a single supplier.</i>

Solution Design	The product uploader incorporates an arithmetic function that can be used to pre-process upload data. This will be used to calculate/assign the requisite number of points for the purchase of an item. This could also be used to apply mark-ups in a flexible way (including at supplier level as each upload file will come from a different supplier).
57	<i>To have standard product categories - the ability to manipulate 3rd party supplier categories to fit the Cordoba site(s).</i>
Solution Design	The product uploader has the ability to manipulate upload data, substituting one word for another. This will be used to satisfy the stated requirement. Example: If the standard Cordoba category is "High Street Vouchers" and a supplier's equivalent category is "General Vouchers" a substitution of the term "General Vouchers" to "High Street Vouchers" could be made during the data upload. Any such mappings could be saved in an upload template to enable consistency when undertaking subsequent uploads of products from the same supplier.
58	<i>Bulk orders placed with suppliers on a daily basis using a manually triggered batch file transfer (csv or XML file)</i>
Solution Design	The facility will be provided to allow the consolidation of items from multiple customer orders onto a single Purchase Order that may then be submitted to the supplier as an email attachment. This can be undertaken with whatever periodicity is required (including daily).
59	<i>To be able to store a separate standard buying price and standard selling price against each product, thereby enabling different margins to be achieved on a product by product basis.</i>
Solution Design	Implemented as per stated requirement.
60	<i>To include the flexibility of different delivery zones, taxes and charges relating to each zone/location</i>
Solution Design	Requirement withdrawn as per PMcD's email of 24/02/2014 15:51
61	<i>Production of purchase orders must include the facility to buy from variety of suppliers in variety of different currencies</i>
Solution Design	Each product will have a defined supplier with a purchase price that is separate to the selling price. The supplier has a currency assigned to them which defines the currency that the item purchased in and may be different to the currency that it is sold in. Any number of suppliers may be created; products are assigned to suppliers on a 1:1 basis.
62	<i>The new system should be linked to Cordoba Rewards accounting system (Xero) – data should be automatically input via a feed</i> <ul style="list-style-type: none"> • <i>Automated invoice production</i> • <i>Automated margin calculation</i> • <i>Accounting system populated by transaction</i>
Solution Design	This feature is not included in the new system design – following consultation it has been agreed that this will be dealt with as a separate project. However returning to a more standard OC configuration, and in particular the elimination of fictional pseudo-currencies (used in the existing system to represent points), will facilitate the implementation of a standard interface between OC & Xero.

63	<i>Client admin area reporting - Clients to run/export a report which shows account statistics (disabled/enabled accounts and whether activated (yes/no)</i>
Solution Design	<p>A series of on-screen reports have been included in the Client Admin area to automatically generate the following statistics:</p> <ul style="list-style-type: none"> • Total Number of Enabled Customer Accounts • Total Number of Disabled Customer Accounts • Total Number of Activated Accounts • Total Number of Non-Activated Accounts • Total Number of Accounts <p>An additional option will be included to allow these to be downloaded into a CSV file to facilitate importation into Excel, PowerPoint etc to simplify the creation of the PowerPoint Account Review presentation.</p>
64	<i>Service review meeting data reporting (# order by store, items ordered by store) (sample reports available)</i>
Solution Design	<p>Implemented via standard OC reports (samples available).</p> <p>Further complex/detailed reporting should be reasonably readily available via Google Analytics but that is out of scope for this development.</p>
65	<i>Client admin area reporting - P11D statements for participants to include:</i> <ul style="list-style-type: none"> • <i>The date the participant joined</i> • <i>Points redemption by month and year</i> • <i>Points redemption value (to include Cordoba procurement margin) by month and year</i>
Solution Design	<p>It has been agreed with PMcD that the existing Client Admin Orders report provides the necessary information to supersede this requirement (when downloaded as a CSV) thereby providing flexible information for further processing by the client company as required.</p> <p>For example, the CSV incorporates a date column that would allow the data to be filtered into a specific date span.</p>
66	<i>All Client admin reports – to be easily accessible form the central admin portal</i>
Solution Design	Implemented as per stated requirement.
67	<i>Notification to new participants with activation link</i>

Solution Design	Implemented as per stated requirement (via an activation email).
68	<i>Notification to participant for Points awarded.</i>
Solution Design	Implemented as per stated requirement (via a “points awarded” email).
69	<i>Mail shots by Store</i>
Solution Design	<p>The Rewards system is not an appropriate platform for large-volume mailshots. This is primarily due to the following:</p> <ul style="list-style-type: none"> a. the likelihood of a high percentage of messages getting trapped in spam filters b. the lack of suitable mailshot management capabilities (opened/unopened/bounced analysis etc) c. the potential that mailshotting from the Rewards system will lead to the server’s ip address being blacklisted as a source of spam, thereby causing other system-generated emails to be blocked/ <p>Therefore MailChimp will be used as the platform for Mail-shots (as at present).</p>
70	<i>Can the site be built to accommodate third party advertising – this maybe an opportunity to generate additional revenue</i>
Solution Design	Decided by PMcD to remove this from the list of requirements (meeting of 13 th January 2015).
71	<i>Site must have social media capability</i>
Solution Design	<p>The new system will have the capability to display Tweets from any named Twitter account (all stores).</p> <p>The new system will have the capability to display the contents of a Facebook “Wall” from any named Facebook account (all stores).</p>

Part 5 – Cordoba’s 2015 Requested Enhancements (based on “Websites Enhancements.docx” of 13/1/15)

72	Points uploads: upload points for all correct email addresses and create a list of the participants who we have been unable to upload points to.
Solution Design	Implemented as per stated requirement.
73	Have the ability to search for participant regardless of what letter case it is in.
Solution Design	Implemented as per stated requirement.
74	Reporting: able to customise reports: <ul style="list-style-type: none"> • have the option to export customers from a particular store and particular month • options to see what purchases have been made in a particular store
Solution Design	The new system will allow a list of customers to be downloaded and for that list to be filtered by data range and store. More detailed product purchase analysis will be available via the Google Analytics ecommerce reporting.
75	Flexibility to be able to choose what store has what products and prices without having to upload a whole new catalogue and assign it.
Solution Design	The new system works with a single internal catalogue; specific products can then be suppressed from individual stores as required.
76	A tick box option to optionally automate a registration email to be sent when a new participant is set up manually.
Solution Design	Implemented as per stated requirement
77	Automatically default email addresses to lowercase for sign in.
Solution Design	Implemented as per stated requirement
78	Re-categorise the category list and re-name where appropriate.
Solution Design	Implemented as per stated requirement. Note that any changes to the category names will naturally require corresponding changes to the product import profiles set-up for each supplier to ensure that their categories are remapped to the appropriate new Cordoba categories upon import of their products.
79	Flexibility for us to decide what products to feature on the ‘latest product list’.

Solution Design	The new system will allow “Featured Products” to be displayed in place of “Latest Products”. Featured Products can be manually selected from within the back office.
80	Filter option to show products that are a certain number of points.
Solution Design	This is achievable but the difficulty/cost of doing so will vary according to which of the two options for Rewards Points implementation (to use Open Cart Rewards Points or to use Pseudo Currency Rewards Points) is chosen. Therefore this item is excluded from the design but can be added as a separate mini-project at a later date.
81	A point’s statement for the participant, so they are able to see when the last points were awarded and items previously purchased.
Solution Design	Implemented as per stated requirement
82	Personalised banner at the top of the page welcoming participant and clearly stating how many points they have.
Solution Design	Implemented as per stated requirement
83	Mobile APP whereby participants can view their points, receive notifications when points are uploaded and the ability to redeem
Solution Design	This is outside of the scope of this proposal and so would need to be addressed as a separate project.
84	Provide facility to send orders direct to supplier, e.g. Procurement and Edenred, without manual intervention by Cordoba.
Solution Design	Implemented as per stated requirement (orders sent via email).

Change History

Version	Changes	Author	Date
V01- V05	Initial document	MAG	2/2/15
V06	UAE, Japan, New Zealand added as delivery countries (Item 47). Wording of Item 55 Design Solution revised to clarify. Item 63 Design Solution modified to incorporate the option to download Account Review data into a CSV. Item 65 Design Solution – additional comment added re date-based filtering. Item 68 Design Solution re-written. Added Part 5 in its entirety.	MAG	21/4/15
V07	Item 68 Design Solution re-written.	MAG	24//4/15

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