



## **Magento case studies from ZANEC Digital – Take your e-Commerce store one level higher with Magento**



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## 1. Case Study 1 – Creating a special launch or discount offers for your store, as and when you want it

### Challenge:

To build a long term and successful business, client was looking for event based discounts. The client also wanted a very powerful and customizable administrative area.

### ZANEC Solution:

Event-based discounts is one of the main tools to make any growing business successful. In order to achieve this, ZANEC suggested a custom built Launch Offer extension that can help the store owner create discount offers as and when the market demands.

### Key features:

- Site administrators can configure the time period for each event/offer for which they want the discount to stay active.
- Ability to skip items with special price/already discounted price.
- Discount items either by fixed price or by percent.

**Compatibility:** Stable on CE 1.7, 1.8 (extendable)

## 2. Case Study 2 – Creating instalments or layby options for customers

**Challenge:** The client wanted an affordable payment plan option for his customers when checking out products on the website.

**ZANEC Solution:** Layby is an affordable payment plan option where the buyer gets to pay-off a product or service via 1 down-payment and the balance over 1, 2 or 3 monthly instalments and then get the product after the final instalment.

Customer can book a product in advance and keep paying in instalments and avail the product at a later date. For example, parents can book special edition cots in advance for their yet to arrive kid.

### Key features:

- The customer pays a small percentage as layby fee.
- The site administrator can configure the layby fee.
- Layby can be either by fixed price or by percent for every individual product.
- Customer receives a notification of their order and layby reminders/updates.

**Compatibility:** Stable on CE 1.7, 1.8 (extendable)

### 3. Case Study 3 – Handling Image-Based Dynamic Configurable Products

**Challenge:** Make it easy for customers to choose configurable products. (Example, a pram can have color as one of the configurable attributes and frame type as another attribute, then load the dynamic image based on selection of attributes).

**ZANEC Solution:** Product images and content are reloaded based on customer selections - this way customers can see exactly what they've chosen. The customer will be able to see image of the final product before making a purchase. This makes it easy for customers to buy the right products.

**Key features:**

- The site administrator can enable images for picking configurable product options.
- Compatible with zoom and light box extensions.

**Compatibility:** Stable on CE 1.7, 1.8 (extendable)

### 4. Case Study 4 – Managing Temando errors during Shipping calculation when Public Holidays are encountered

**Challenge:** During integration of the Temando extension, if public holidays are encountered, the shipping costs are not calculated properly and errors were being generated.

**ZANEC Solution:** Temando does not return shipping costs if a public holiday falls on the delivery date. ZANEC developed a custom module to ensure that we find a proper shipping cost for the next day if the current day is a public holiday. This ensures good sales and also gives customer satisfaction.

**Compatibility:** Stable on CE 1.7, 1.8 (extendable)

### 5. Case Study 5 – Creating and managing different banners across categories and subcategories

**Key features:**

- Different banners displayed across various categories and subcategories levels.
- The site administrator can upload different banners across categories and subcategories.

**Compatibility:** Stable on CE 1.7, 1.8 (extendable)

## 6. Case Study 6 – Web Service logger for ERP System to a Multi store site

**Challenge:** The client’s site uses Web Services for almost everything related to user and site interaction. All of their data from the site are sent to Web Services, making it a vital task to maintain a log of each and every Web Service action which is critical to the business.

**ZANEC Solution:** Custom Web Service Logger Module helps to maintain the requests and responses of Web Service calls. These calls can be used for identifying the exact request parameters of each third party service call. This can also help with debugging Web Service related issues.

The superstore has all the common features built into it and any specific customization can also be done at a store level. This is also a completely scalable model, which lets us create more and more stores under the different ERP Systems.

### Key features:

- Whenever a Web Service is utilized, the module stores all the request and response details in a database.
- Displays date of log creation.
- From – To Date: Displays the “From and to” date on which the call was recorded.
- Request Type: Request type / Web Service name.
- Total Time in (ms): This displays the time required to complete the Web Service call.
- Provides option to view details of Web Service calls.
- Search log records by different parameters.
- Export the logged records in CSV / XML format.

**Compatibility:** Stable on CE 1.7, 1.8 (extendable)

## 7. Case Study 7 – Having unique Shipping cost per customer for Multi store site

**Challenge:** The client has different shipping for each of their website, each customer is assigned with specific Freight codes. Each code determines the price of shipping per order. Some codes have a free shipping trigger point.

**ZANEC Solution:** Magento is a feature rich e-commerce platform which offers several shipping methods out of the box. However, when building large e-commerce sites, we may meet a requirement to develop our own custom shipping methods along with specific admin settings to make configurable sections for each logic which applicable for the requirement.

### Key features:

- Super Admin can allow the admin user to assign a Site specific freight code PER CUSTOMER.

- Admin section to be added / updated to allow the addition / amendment of said freight codes on a per active site basis.
- Freight codes need to store per order shipping rate (could be Free or \$0.00) and in addition if the per order rate is > \$0.00 store a value that would trigger free shipping.
- E.g. CODE ABC – Shipping Rate - \$19.90 – Trigger for Free (>=) - \$200.00  
i.e. for the customer with the code ABC they pay a flat fee of \$19.90 for all orders between \$0.01 and \$200.00. Orders valued at \$200.00 or more would ship for free.

**Compatibility:** Stable on CE 1.7, 1.8 (extendable)

## 8. Case Study 8 – Automatic Caching System

**Challenge:** When the user data and inventory data are loaded via Web Services. Every time products / user are modified (e.g. on a daily basis) the cache becomes invalidated. 'Full Page Cache' should get refreshed after this action.

**ZANEC Solution:** Automatically "update" the cache if invalidated, without rebuilding the whole cache.

### Key features:

- Drastically decreases pages load time.
- Reduce server response time.
- Caches by default all categories, products, catalog search, sitemaps and CMS pages.
- Fully compatible with multi domains, multi stores.
- Fully compatible with default Magento caches.
- Improve search engine rankings.

**Compatibility:** Stable on CE 1.7, 1.8, 1.9 (extendable)

## 9. Case Study 9 – Rapid Search via Angular JS

**Challenge:** When user enters multiple keywords in the search box, Magento searches for products containing **ANY** of the search keywords. This often leads to search results which do not accurately show what users are really looking for.

**ZANEC Solution:** Developed a Rapid search extension using Angular JS since AngularJS is one of the most powerful JavaScript MVC these days and this will enable quick search of products. The load time will be significantly lower than standard magento sites.

### Key features:

- Loading the next page before the user reaches the bottom of the page.
- Better search results with quick response time than default Magento search.
- **Increase sales** with more relevant search results.

**Compatibility:** Stable on CE 1.7, 1.8, 1.9 (extendable)

## 10. Case Study 10 – Auto Complete Order and generate Invoice by ERP System via Web service

**Challenge:** The client required the ability to Auto-Complete Orders via cron when connecting with different ERP Systems which are managed by admin.

**ZANEC Solution:** Auto-Complete Orders extension makes order management activity really easy and time saving for the site administrator and extension is designed to generate invoices automatically after order is complete and its being used in Magento-installations handling thousands of orders each day (fetching them from Magento and sending them to the ERP-system).

**Key features:**

- Magento Auto Complete/Invoice Extension can be easily enabled / disabled from back-end. The extension works for all store views too.
- Regular cron and backend processes run to keep the stores up to date with the ERP system to Auto complete the orders and send E-Mail Notifications users.

**Compatibility:** Stable on CE 1.7, 1.8 (extendable)

## 11. Case Study 11 – Load instant data from different ERP system to increase the sales

**Challenge:** The client's site consumes Web Services for almost everything related to user and site interaction. All of their data (inventory, stock) are load via ERP Supplier, making it a vital task to load instant data from different ERP System which is essential to the business need.

**ZANEC Solution:** Developed an ERP Integration extension and its being used in Magento-installations and handling tens of thousands of product- and stock updates from the ERP-system over to Magento. Extension helps to maintain the requests and responses of Web Service calls. These calls can be used for identifying the exact request parameters of each third party service call. This can also help with debugging Web Service related issues.

**Key features:**

- Improve inventory turnaround and get more profit.
- Build customer loyalty and increase customer satisfaction.
- Optimized to fit their needs in terms of what they need to do on their side in order to get the data synced between the systems seamlessly.

**Compatibility:** Stable on CE 1.7, 1.8 (extendable)

## 12. Case Study 12 – Manage Stock between magento orders and ERP System Warehouse / Inventory

**Challenge:** The client’s site consumes Web Services to manage stock between Magento Orders and ERP Systems and site is processed with thousands of orders each day. Individual order needs to check with Warehouses capable of supporting the designated site / business.

**ZANEC Solution:** Develop an extension with cron job facility to send individual order stock to ERP. Cron call will be used periodically (daily) to retrieve details of active dispatch warehouses with available stock of the SKU, supporting the designated site / business.

**Key features:**

- Improve inventory turnaround and get more profit.
- Build customer loyalty and increase customer satisfaction.
- Stock notification Email is sent to site administrator.
- Measure Demand for Out of Stock Products.

**Compatibility:** Stable on CE 1.7, 1.8 (extendable)

## 13. Case Study 13 – Restrict Order completion based on delivery location

**Challenge:** Restrict user to place order if Postcode is not from the pre-defined set of Postcodes where products can be delivered.

**ZANEC Solution:** Develop an extension to upload a CSV file containing all the allowed Postcodes. Users with delivery address that comes within the uploaded Postcodes are allowed to complete the orders. This also indicates to the store owner during checkout process if any customers try to place orders from outside of the mentioned postcodes.

**Compatibility:** Stable on CE 1.7, 1.8 (extendable)