**Budget offer for automation of our office orders**

Dear developer,

As per our most recent talk regarding a fully detailed work plan in order to automate our office's online orders, the details are listed below.

A short review:

DMT LTD is an e-commerce company which sells goods via multiple channels, these include:

1. Amazon

2. Ebay

3. Joomla + virtuemart website

4. Magento

As of today we process all of the orders **manually** which means:

1. Getting all of the required information on orders from all of the channels

2. Manually making a shipping documents and printing them

3. Issuing invoices via our CRM

4. Marking the orders as shipped and informing the customers

This process is repeated until all of the orders have been completed.

We need your help in developing a modular system/software using API or any other method, which will be managed via a "Master" system.

Each small system/software will acquire the order details via an API or other method and save it on our local server (windows machine) in an a XML / CSV / JSON file.

The "Master" system will get all the XML / CSV / JSON files and merge them into one big file.

**The process should be as follows:**

Step 1 of 4 - getting the order information from all of the sources:

1. Amazon – via API

2. Ebay – via API

3. Joomla + virtuemart websites – via cron job or direct access to the server's DB

4. Magento – via cron job or direct access to the server's DB

The "Master" system will get all of the data files (CSV) gathered from each of the small software files and merge them into one big file (CSV).

**Then the "Master" system will use this data for the 3 remaining steps:**

Step 2 of 4 - Making the shipping documents and printing them:

We use 4 different shipping methods:

a. Registered mail – The system will print the order id + full address + item to be shipped .  
Tracking number will be added manually.

b. Priority registered mail – The system will print the order id + full address + item to be shipped. Tracking number will be added manually.

c. EMS – express shipping – The system will use a semi API system which will be described at the end of this document. \*

d. DHL – express shipping – API

In order to choose the right method the "Master" system will use an CSV file (which we will provide) to find the correct method based on the country + parcel weight + contents of the parcel.

Once the method is selected, the Super system will generate and print the correct shipping documents.

The system will also gather all of the customer's details and save them in a CSV file so that we can print labels to add to the parcel.

Step 3 of 4 - issue invoices via our CRM

The system will import the data (parsed the same as in our last project) into our local CRM in order to generate invoices and print them.

The system will hold the issue of invoices for the registered and priority methods till the tracking number is added manually to each order (there should be a UI for that).

Step 4 of 4 - marking the orders as shipped and informing the customers

Once all the documents have been printed the system will update the order with a tracking number and mark the order as shipped.

\*Please note all of the inputs and constant data the system is using, need to be updated (e.g. Shipping method or tracking number range etc.) via a friendly user interface.

The system will be user friendly and manageable via our local windows machine.

The system will generate daily reports, save them in a different folder and send them via email.

The system will have 3 modes of running:

1. "On" mode, the system will gather and run all the steps described above and will keep doing so every 15 minutes interval (we need to be able to change this setting)

2. "Manual" mode, the system will gather all the data needed to process but won't process it. Instead , once the system finish getting all the info, it will popup a window with checkboxes next to each order (more info below).

3. "Off" mode, the system will stop gathering any data and process.

If there is a customer remark or request the system should not process the order and should inform us via email as well as in the daily report.

**A few remarks:**

1. The system should allow a semi-auto feature which will allow us to manually check (using graphic interface check box) which orders not to process (this feature is only an option for us to make the system semi auto), by default all of the orders are checked.

2. Before printing the shipping document the system will add which items need to be packed on the shipping document itself.

3. \* - EMS – The system will use the shipping information collected earlier to make the shipping document and generate the invoice using the tracking number.

The EMS system is a semi-auto system (web based) which means it can generate the shipping document using a CSV file (the template is attached to this message) .

The Master system needs to:

a. login to the semi-auto system , upload the CSV file

b. generate the shipping document

c. print the shipping document.

4. The semi-auto feature will allow us to select using checkbox which orders to process (shipping document and invoice and changing the order's status).

5. If there is a customer remark or special request, the system will add an asterisk aside the checkbox so we can review the order manually.

6. The system need to be password protected using login form.

Please let me know if you have any questions regarding the process.

\*\*\*We would need it to be complete within a month or two.\*\*\*

Please submit your offer to develop this system.