

TPS Electronic Organization Management System



Electronic Organization

*“A Powerful and Flexible Software Solution for Creating, Organizing,
and Managing (Business) Resources and Relations over the Web”*

Project URL:

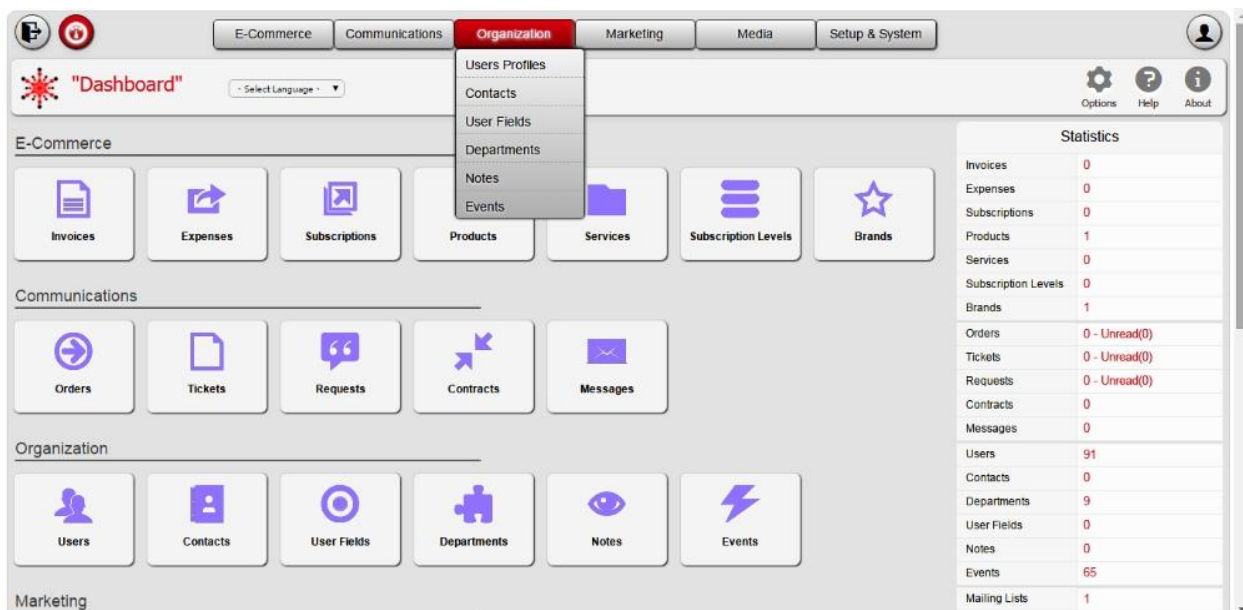
<http://www.ebtps.com/electronic-organization-management-system.html>

Current Version: 2.0

*“**Electronic Organization** is an Enterprise which can entirely develop over the web. It markets, finds clients and customers, sells goods, and organizes and serves its customers and clients over the web. It finds and organizes its partners, collaborators, and employees over the web. It finds investors and entrepreneurs for innovation and development, and organizes them over the web. **Electronic Organization** is able to organize and manage all of its **Resources** and **Relations** over the web.”*

General Solution Description

“**Electronic Organization Management System** is a web based software system which enables and realizes an Electronic Organization to become into existence and works. **Electronic Organization Management System** provides functionalities for defining or creating various types of entities, user profiles, user contents, user visibility policies, user groups, workflows, notifications, relations, categories, and methods, and also for integrated management of all media across the organization. So, an **Electronic Organization Management System** enables an enterprise to entirely develop over the web.”



Picture 1 - The screen shot showing the back-end dashboard of TPS EOMS

TPS Electronic Organization Management System (TPS EOMS) is a type of Electronic Organization Management System developed based on some generic business logics. Picture 1 shows the back-end dashboard of this software system.

Motivation: Why Electronic Organization?

Potentially, many of businesses do not want to limit themselves to some specific locations or times for doing business, and development and progress.

Such businesses are potentially interested to reach all potential customers and clients at any time all over the world. They are potentially interested that all potential clients/customers from all over the world can reach them and their products and services at any time. To achieve this, they need some asynchronous communication, organizing, and management software tools which enable them to efficiently effectively communicate with their clients/customers, organize them, manage their relations with them, and organize all of the resources related to them such as orders, contracts, subscriptions, invoices, expenses, (support) tickets, requests, messages, and etc.

Also, such businesses are potentially interested to find, know, recruit, and organize the potential beneficial or required human resources, and also to find, attract, attain, retain, and organize the potential beneficial or required partners, investors, and entrepreneurs, at any time all over the world without any limitations related to physical working or meeting places. To achieve this, such businesses need to have a virtual electronic space in which the job seekers and potential human resources all over the world can easily apply for the open job positions within those businesses, and the potential partners or investors can easily propose partnership or investment opportunities, or decide on existing proposed partnership or investment opportunities, and also the potential entrepreneurs can easily propose their innovative business development ideas, and then all of them can be virtually effectively efficiently organized and managed in various business processes,

projects, and business activities and tasks using some asynchronous communication, organizing, and management software tools provided within that virtual electronic space.

On the other hand, the internet and web technologies can be used for creating a virtual electronic space by which all of the potential clients/customers, collaborators/employees, partners, investors, entrepreneurs, and even independent users/persons can be attracted, recruited/attained, and retained all over the world at any time, a virtual space in which all of them and their relations and the resources related to them, and also the relations between those resources can be effectively efficiently organized and managed. Such a virtual space created based on the internet and web technologies can be called “Electronic Organization”, and the web application or the software system which enable an enterprise to create, use, and manage such a virtual space (i.e. Electronic Organization) can be called “Electronic Organization Management System”.

“Electronic Organization Management System” is different from “ERP System” although its functionalities might have some overlap with the functionalities of some “ERP Systems”, because the concepts behind these two types of systems are completely different from each other. An “Electronic Organization Management System” mostly focuses on creating and organizing various high level business resources/objects and relations over the web and therefore can be mostly considered as a resource/data collection and organization software system which leverages the potentials of global web for achieving its purpose. But an “ERP System” mostly focuses on processing various types of business data/objects within business processes, and also integrating those business data and processes with each other. In fact, the outputs of an “Electronic Organization Management

System” can be considered as inputs of an “ERP System” to be further processed for integrating data and generating various types of business reports to be used for supporting and helping the business management in decision making or providing the required reports and business information to other third parties such as government organizations and etc.

Overview: What it provides?

TPS EOMS is a web based software system and generally it has two types of interfaces: Front-end (Site) and Back-end (Administration).

Only administrators have access to the back-end section of the system to configure, setup, customize, and manage the electronic organization, and create various types of entities or contents which can be used in the back-end and front-end sections of the system both.

The front-end section of the system is appeared within the website of the organization and it is accessed through the domain of the website of the organization. Hence, the visitors of the public website of the organization can register themselves within the electronic organization or login the electronic organization on the website of the organization itself. When they register within or login the website of the organization, they are also become registered within or logged in to the electronic organization at the same time. So, TPS EOMS is integrated with the public website of the organization, and users of the electronic organization can access the electronic organization through the website of the organization.

In the front-end (site) section of the system, site visitors (users) can register themselves within the electronic organization in one of the following user classes: 1) Customer/Client, 2) Collaborator/Employee, 3) Partner, 4) Investor, 5) Entrepreneur, and 6) Independent User.

If some users consider themselves as the clients or customers of the services or products provided by the organization, and they want to submit their orders, have

contracts with the organization regarding its provided products and services, subscribe to some regularly provided services or contents, or get long-term support on the provided services or products, then they should register themselves, and complete their profile as Customer/Client.

If some users consider themselves as the collaborators or employees of the organization, and they want to communicate with some of the clients/customers, partners, investors, entrepreneurs, or other employees (collaborators) in a team, project, or work flow (business process), to have contracts with the organization to be paid by the organization, reply to the (support) tickets opened by the clients/customers, create or manage some of the resources related to the clients/customers such as invoices, subscriptions, orders, and contracts, or create or manage some of the business entities such as products and services, and generally manage some part of the electronic organization, then they should register themselves, and complete their profile as Collaborator/Employee.

If some users consider themselves as the partners of the organization, or they are interested to propose some partnership opportunities to the organization, or respond to the partnership opportunities proposed by the organization, then they should register themselves, and complete their profile as partner.

If some users consider themselves as the investors of the organization, or they are interested to propose some investment opportunities to the organization, or respond to the investment opportunities proposed by the organization, then they should register themselves, and complete their profile as investor.

If some users consider themselves as entrepreneurs, and they are interested to propose some entrepreneurial ideas or plans to the organization or to the investors

registered with the organization, or get some qualified human resources (collaborators) registered with the organization to do their planned entrepreneurial projects, then they should register themselves, and complete their profile as entrepreneur.

If some users do not consider themselves within none of user classes introduced above, then they can register themselves, and complete their profile as independent user.

All of users, within any class of user profiles introduced above, can change their class of profile whenever they want after registration without any data loss in their previous profile. For example, an employee can change the class of his profile to partner without any data loss within his previous employee profile. Hence, if he changes again the class of his profile from partner to employee, he will see all of the data within his previous employee profile without any loss.

All of users, within any class of user profiles introduced above, can create their profile in multiple languages which are supported within the site of the organization.

All of users, within any class of user profiles introduced above, can attach some files, with any type (extension) supported within the organization, to their profile created in each language.

If users publish their profiles for the site, then all of the visitors of the organization's site can see their profile. Also, if users do not publish their profile for the organization, other registered users can not see their profile. But if they publish their profile for the organization, their profile can be seen only by the

registered users who are visible to them according to the visibility policy adopted within the organization. There are a number of visibility policies implemented within the system of the electronic organization that can be adopted by the administrators of the system. For some examples, according to the simplest visibility policy, all registered users are visible to each other, and according to another visibility policy, users who are visible to each other are determined by the administrators of the organization. Also, there is another visibility policy which determines the visibility of users to each other based on the class of their profiles, and also another visibility policy which combines the two latter aforementioned visibility policies. Also, it is possible to easily implement and add some new visibility policies to the system of the organization if they would be required, because the system can be easily extended in this direction. Also, users who are visible to each other can communicate with each other, and they can send private messages to each other.

All of users, within any class of user profiles can choose their field of activity or relation in the organization. But each class of user profiles has its own specific user fields which are defined and created by the administrators of the organization. Also, employees (collaborators) can choose their department in the organization. Those departments are also defined and created by the administrators of the organization. Also, administrators of the organization can assign credits to some users, and then those credits can be used by the corresponding customers (clients) to pay their invoices on the site.

Users can create a number of contact profiles in multiple languages, which are supported by the site of the organization, within their profile. The type of each contact profile can be determined by the user from the following types: billing,

shipping, home, work, and other. Then, the billing or shipping contact of customers (clients) that are unique might be used within their generated invoices to automatically compute the tax rate of those invoices in order to be used for computing the total amount of those invoices. Users specify the country and zone within their contact profiles. Also, they can specify their unique default contact.

All non-registered visitors of the website of the organization can submit their requests to the organization which can be then replied by the administrators of the organization by sending the replies to the provided email addresses of the corresponding visitors. Also, non-registered visitors of the website of the organization can subscribe to various publicly available and accessible mailing lists defined and created by the administrators of the organization so that they receive the news letters of the organization that corresponds to those mailing lists within their email box.

All of registered users who are visible to each other can send private messages to each other. Users can reply to their received messages, and therefore the thread of their private messages exchanged with another visible user is shown for them.

Customers (clients) can also submit their orders or their proposed contracts to the organization. Orders and Contracts are simple user contents which can be then referenced by invoices generated for the corresponding customers (clients). Contracts have a price, and after they are mutually agreed upon by changing their state to “agreed”, their content can not be changed. Also, if they are finalized by the administrators of the system, they can never be changed or deleted. Also, some contracts might be created and submitted to some of customers (clients) by the administrators of the organization, and then they need to be agreed upon by the

corresponding customers (clients).

Customers (clients) can also create tickets for being supported by the organization for their received products and services. Such tickets can be replied by the organization authorities and the corresponding customers (clients) in a thread of ticket messages until the issue is resolved and those tickets are subsequently closed.

Customers can add the offered products, services, or subscription levels to their shopping cart on the public website of the organization, and then check out their shopping cart to create an invoice, and then choose their preferred payment and shipping method to pay the amount of the generated invoice and receive the bought items. Some of those products might be downloadable. So, customers will be able to download them after confirmation of their order and payment by the administrators of the organization. Also, the administrators of the organization can create and submit some custom invoices to some customers (clients) for the provided products and services that then those custom invoices can be viewed and paid by the corresponding customers (clients) on the site.

When a client subscribe to a subscription level, a user subscription content is created that gives the client access to some contents, files, or services offered and provided by the organization and specified within that subscription level. Each subscription level can have a limited duration. If the duration of the user subscription is ended, the client might lose his access to some of the provided contents, files, or services specified in the subscription level unless the client renew his subscription.

Employees (collaborators), partners, investors, and entrepreneurs can submit their

proposed contracts to the organization. Those contracts can be then referenced by expenses generated for the users. Also, some contracts might be created and submitted to some of employees (collaborators), partners, investors, and entrepreneurs by the administrators of the organization, and then they need to be agreed upon by the corresponding users.

All of user contents, including private messages, support tickets, requests, orders, contracts, invoices, expenses, subscriptions, and notes, have a user, a creator, a subject, a body, an automatically specified language, a state, and some specific fields and parameters, and they can also have some files as attachments. When the state of a user content is changed, a notification is automatically sent to the email address of the corresponding user and also a copy of that notification is sent to the administrators of the organization.

Each registered user has a personal media management area in which he can upload, organize, and manage his files by doing the main file system actions including upload, creating directories, copy, move, rename, and delete. Also, the users' personal media management area is integrated with the areas of their profiles' attached files, and also the areas of their received and sent user contents' attached files such as the files attached to their invoices, private messages, tickets, orders, and contracts. Hence, users are able to easily copy those files to their personal media management area in order to maintain, organize, and manage them as they are interested.

In the back-end section of the system, the administrators of the electronic organization can globally configure and setup the system by setting its general parameters, and defining or creating, and managing various types of required

entities including currencies, countries, zones, geo-zones, tax rates, profiles, and rules, brands, products, services, subscription levels, downloadables, departments, user fields, contacts, various types of custom notifications for various types of events including different states of user contents such as invoices, expenses, subscriptions, contracts, requests, orders, tickets, and messages. They can also edit some fields of users' profiles. They can view all of the private messages exchanged between users, and all of the support tickets, requests, orders, contracts, subscriptions, expenses, and invoices. They can reply to support tickets and requests, create and submit new contracts to customers (clients), employees (collaborators), partners, investors, or entrepreneurs or edit the existing ones. They can create and submit new invoices or subscriptions to clients (customers) or edit the existing ones, and confirm the orders and payments. They can create new expenses for employees (collaborators), partners, or entrepreneurs or edit the existing ones. They can create some notes for each user of the organization. They can create mailing lists and add emails and their corresponding names to them, and create various newsletters which can be sent to all of the subscribers of a mailing list, or to different classes of registered users. They can manage all of the files and media in various scopes, such as users, and public and private site, in an integrated manner by doing the main file system actions including upload, creating directories, copy, move, rename, and delete. They can review all of the organizational events including creations, changes, and deletions in all of created entities, user contents, and user profiles. They can also create backup files from the database of the system and also all of the media existing in the organization.

Architecture: Powerful & Flexible

TPS Electronic Organization Management System (TPS EOMS) uses TPS Software Framework (TPS SF) to work. In other words, TPS EOMS works over TPS SF and it only depends on this framework. TPS SF is a separated independent stand-alone software framework. In fact, almost all of the functionalities which TPS EOMS needs for retrieving, processing, and storing various types of data have generally been implemented in TPS SF. Only the specific business logics of an Organization have been implemented or are required to be implemented within TPS EOMS package. Hence, the focus of TPS SF generally is on the main required functionalities, their complexities, and also non-functional requirements or qualities. But the focus of TPS EOMS generally is on the specific business logics of the organization which uses it, and also the data presentation layer of the application. TPS SF includes a Platform Connector API (PC API). TPS EOMS uses this PC API in order to connect to any usual software platform such as various Content Management Systems like Joomla or Wordpress. Generally, TPS EOMS needs to connect to a usual software platform in order to get its inputs and present its outputs, and also to be integrated with other software systems or components if needed.

Such architecture gives TPS EOMS a considerable flexibility, maintainability, and power. TPS SF is separated from TPS EOMS and it is developed independently to provide reliable functionalities and solve most of software development problems and complexities for TPS EOMS, and meet most of the non-functional requirements related to software quality. But TPS EOMS is developed based on specific business logics of the Organization which uses it, and also data

presentation or user interface requirements. Hence, whenever an organization needs to change its business logics or improve the user interface of the system, it only needs to modify or develop TPS EOMS, and whenever that organization needs to upgrade its system to higher levels or new types of functionalities, it only needs to develop TPS SF. Also, through the software platform to which TPS EOMS is connected by PC API, TPS EOMS can be integrated by other required software systems and components.

Use it within your Company / Organization

Functionalities and Features

1) E-Commerce

1-1) Brands

1-2) Products

1-3) Services

1-4) Subscription Levels

1-5) Invoices

1-6) Subscriptions

1-7) Expenses

1-8) Payment Methods

1-9) Currencies

2) Communications

2-1) Requests

2-2) Orders

2-3) Contracts

2-4) (Support) Tickets

2-5) Private Messages

3) Organization

3-1) User Profiles

3-2) (User) Contacts

3-3) Departments

3-4) User Fields

3-5) Notes

3-6) Events

4) Marketing

4-1) Mailing Lists

4-2) Newsletters

5) Media

5-1) Downloadables

5-2) Media Scopes and Bridges

5-3) Integrated Media Management

6) Setup, Configuration, Backup

6-1) Fully Customizable Configurable Notifications

6-2) Countries

6-3) Currencies

6-4) Global Configuration

6-5) Backup

6-6) Custom Styles

Future Versions: Functionalities and Features

Investment Opportunities



Founder / Architect / Lead Developer: **Okhtay Sattari**

CV URL: <http://www.ebtps.com/images/cv/okhtay-sattari.pdf>

Current Location: Tehran, Iran

Personal Email: sattari.okhtay@gmail.com

TPS Email: manager@ebtps.com

Mobile: (+98) 912 630 75 22

“I started to dream and build an Electronic Organization Management System in 2008. I built and made stable the first version of this system (1.0) in March 2011. Then I extended it to the version 1.1 in August 2011. Then I started to dream and build an independent extensible PHP Framework which would work as the core of Electronic Organization Management System. I am still working to complete the second version of this framework (2.0) namely TPS Framework.

This software system is being developed under the brand name ‘ TPS ’ that can be considered as an abbreviation form of both ‘ Turan Planners of Software ’ and ‘Toward Perfect Solutions’. TPS Business (ebtps.com or turandvelop.com) will provide technical e-business software solutions and consulting services to Entrepreneurs and Small to Medium Enterprises (SMEs).

All types of investment are welcomed for developing this software system and making it a successful commercial product. I am ready to talk with all potential investors about all possible investment opportunities, and I believe this software system and the related business can provide so considerable Return on Investment to attract and retain the investors. So, all financial propositions and consultations are welcomed and will be fully considered.”