1. Installation guide

1.1. Software requirements

Minimum software requirements for the project installation are mentioned as below.

- Operating system – windows xp Sp2 or Sp3
- Web server – apache 2.2.17
- Database system – MySQL 5.5.8
- Server side scripting – PHP 5.3.5
- Web browser (Firefox, Google Chrome) – up to date version
- Web technologies
    - HTML
    - CSS
    - JQuery
    - AJAX

In this guide WAMP (Windows Apache MySQL PHP) mini server will be used to demonstrate the steps.

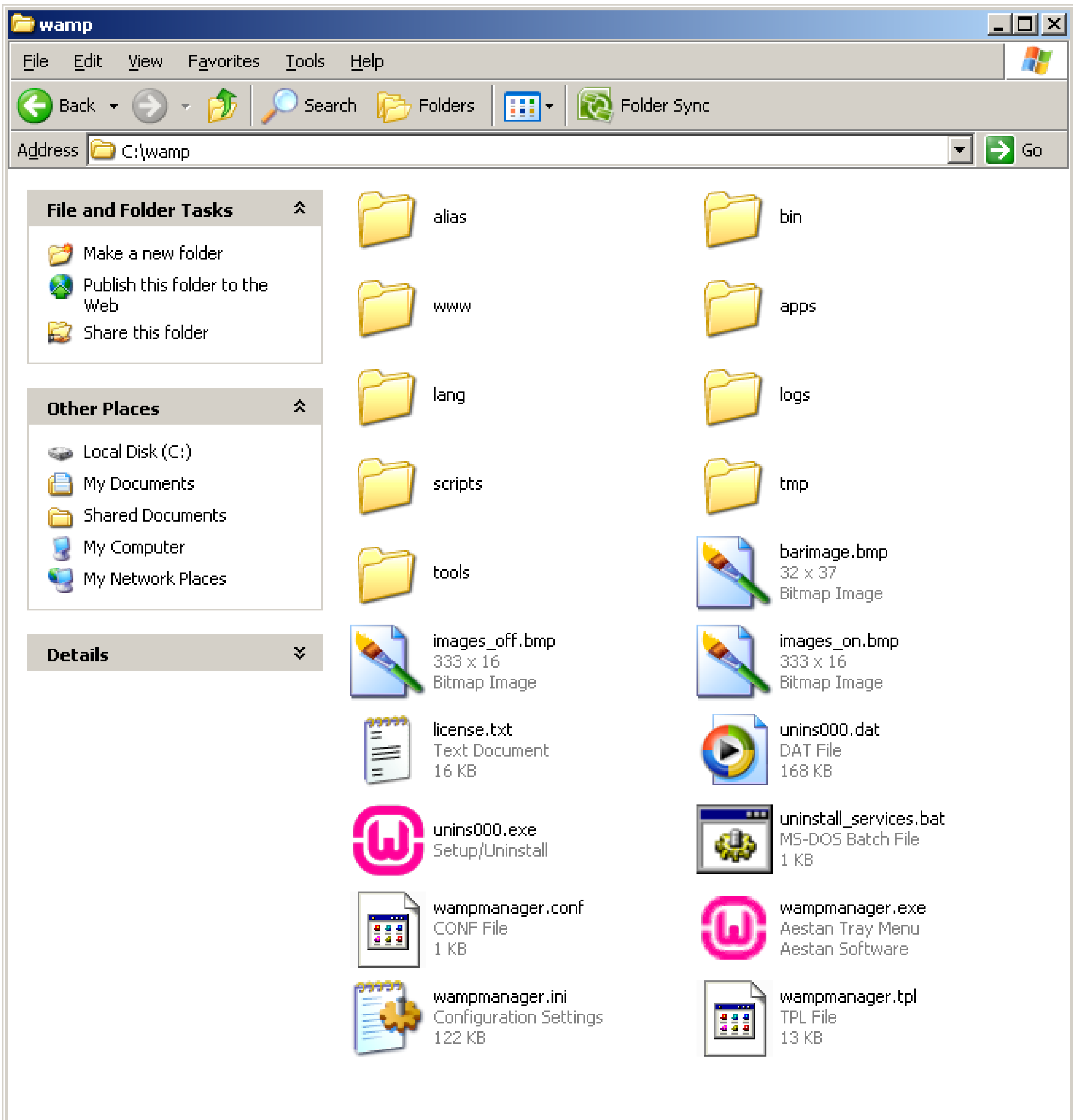
1.2. Hardware requirements

Minimum hardware requirements for the project installation are mentioned as below.

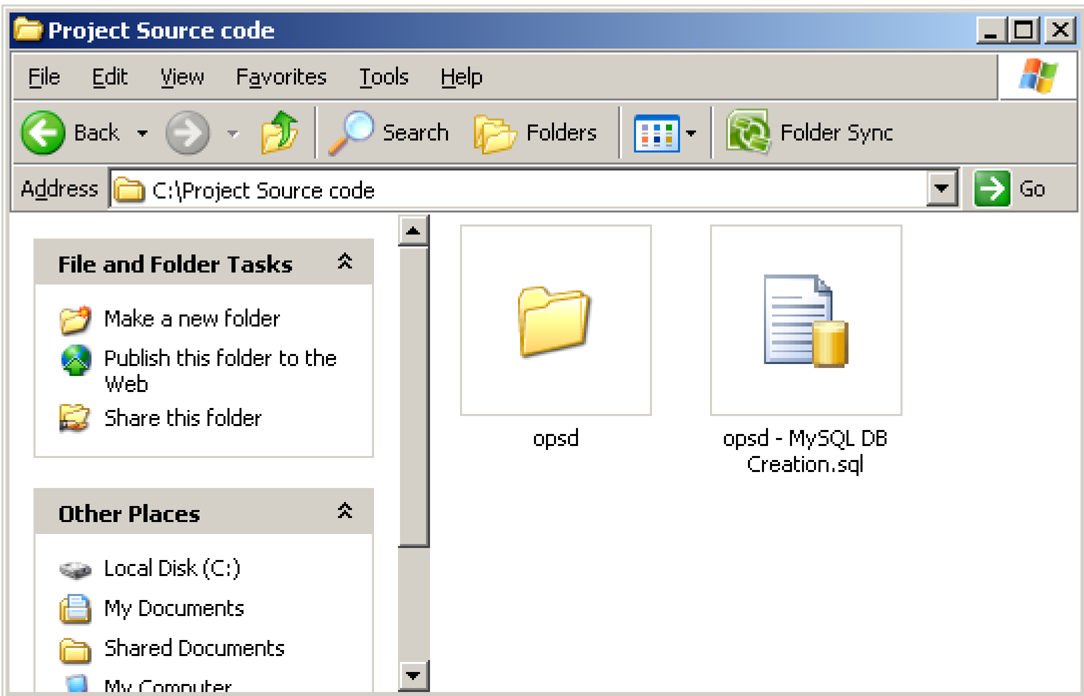
- Processor – Pentium IV
- Clock sped - 1GHz
- Ram – 512 MB
- Hard disk – 10GB

1.3. Installation steps

1.3.1. Install the WAMP mini server setup. Then it will install Apache, PHP and MySQL all together in C:\wamp directory as the default installation path.

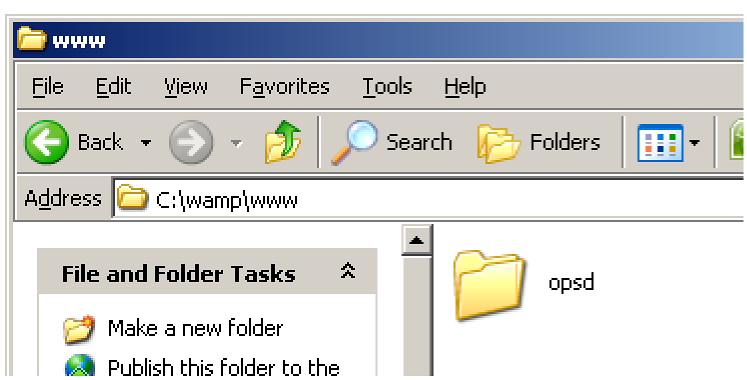


1.3.2. Then open the Project source code folder which is provided in attached CD and it includes the source code and the database creation script as below.

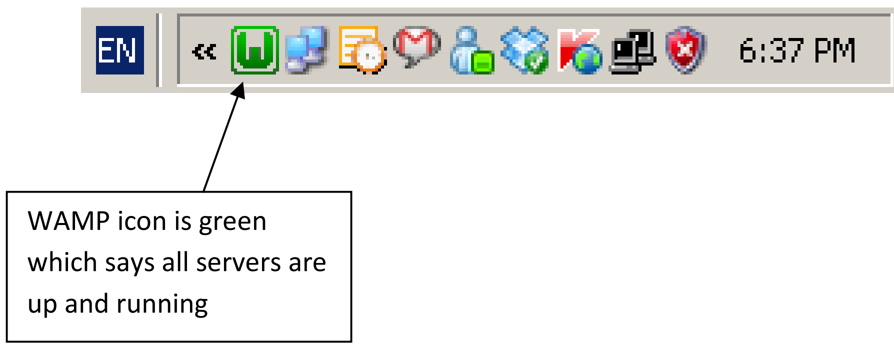


The directory called **opsd** includes all the source code and that is the directory which should be copied and pasted it to the web root in the WAMP server which is defined in the next step. So in this step copy the folder called **opsd** to the clipboard.

1.3.3. Then go to the **www** root directory in WAMP installation folder (C:\wamp\www) and paste the **opsd** folder which was copied at previous step in to the **www** directory as below.



1.3.4. After pasting the **opsd** folder in web root then it is needed to enable the rewrite module in apache server in order to perform the .htaccess function. Double click on the wampmanager.exe file in WAMP installation directory (C:\wamp) to run the server and make sure the WAMP icon is green on the taskbar as below.

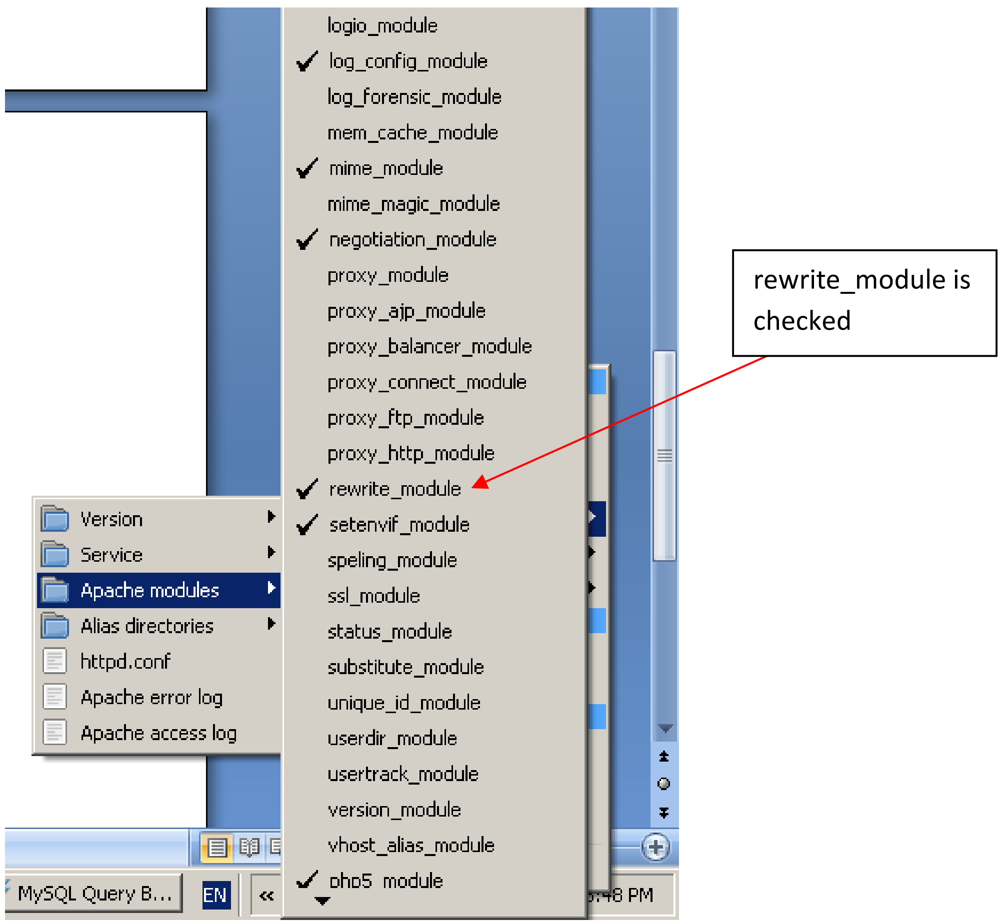


Then click on the icon as below.

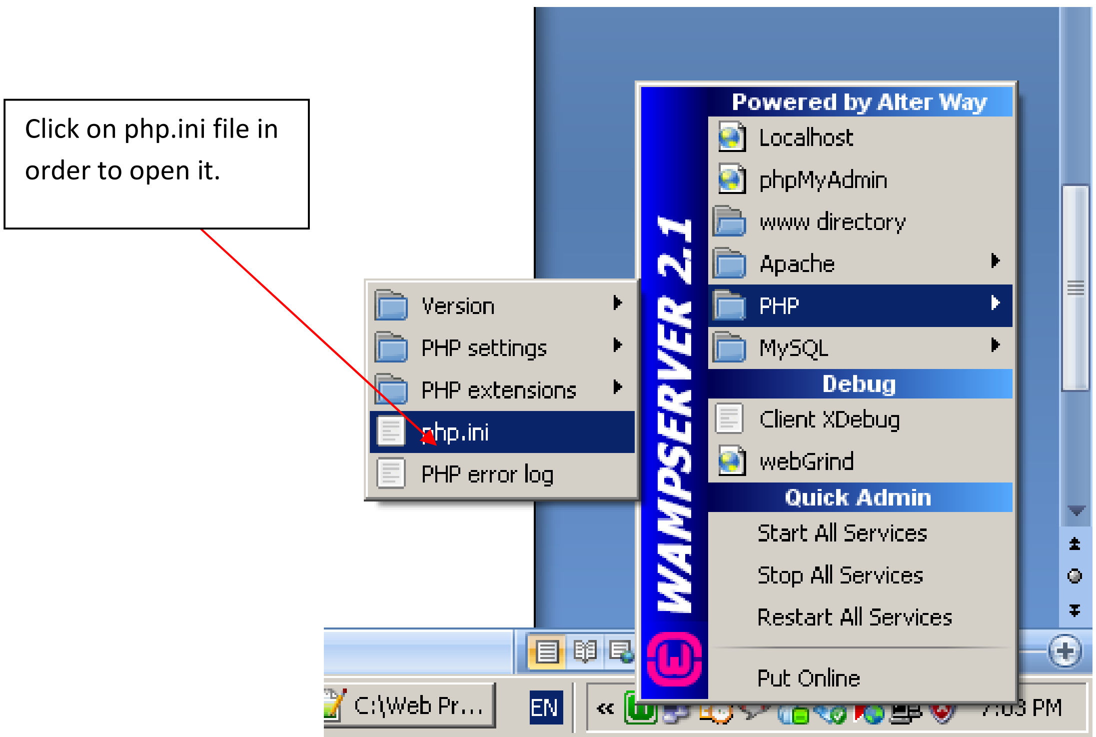
Then follow the below path and make sure the rewrite module is properly checked on apache module list which says the rewrite module is enables in the apache server.

Apache -----> Apache modules ----->rewrite_module

Final result should be similar as below.



1.3.5. This step includes the configuration part which has to be done in php.ini file regarding the mail sending function and hiding display of errors if occur unexpectedly to site users. first open the php.ini file according to the below image.



- Configuration for mail sending function

In php.ini file find the line called **extension=php_openssl.dll** (use find method in text editor or use the short cut Ctrl + F) and remove the ‘ **;** ‘ (semicolon) at the beginning of the line if exists. In simply change the line “ **;extension=php_openssl.dll “**into “ **extension=php_openssl.dll “**.

- Configuration for hiding error display

  In php.ini file find the line (use find method in text editor or use the short cut Ctrl + F) called **display_errors = on** or **display_errors = off** **.**if **display_errors = on line** is found then change it into **display_errors = off** and if **display_errors = off** line is found then no need to do any changes on that.

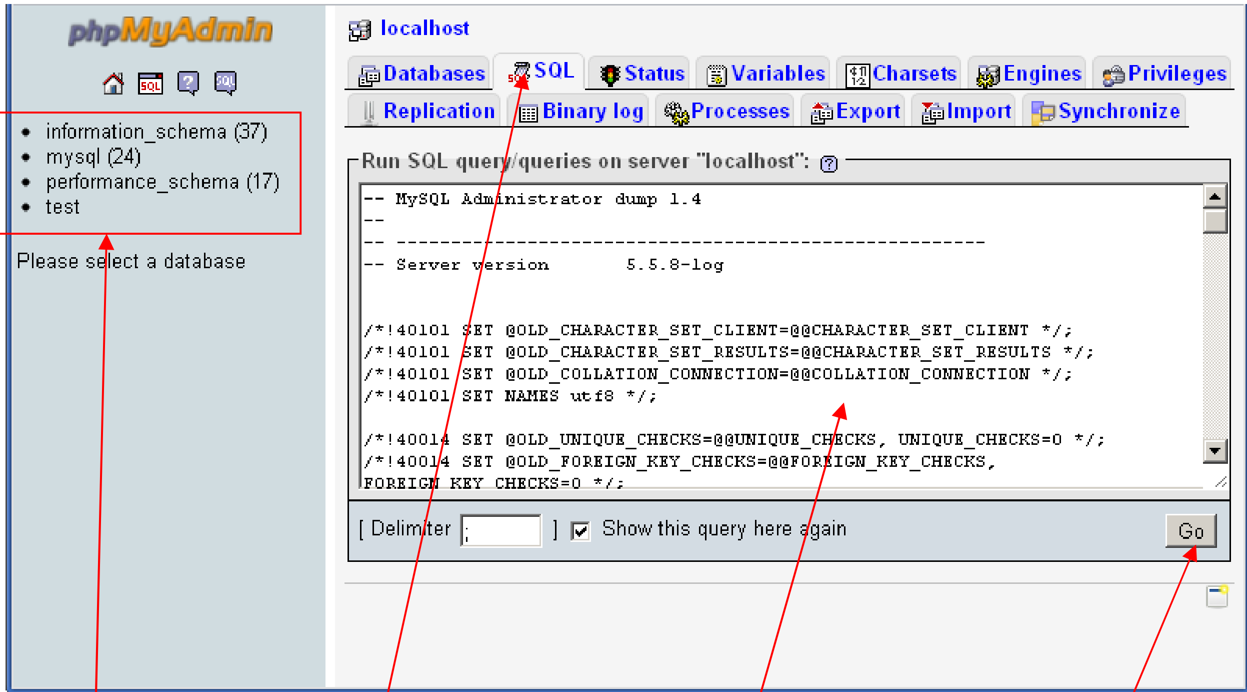
1.3.6. Then create a Gmail account at www.gmail.com in order to use that email address to mail sending purposes. The login details of this Gmail account will be used for the configuration part in sendMail() function in order to authenticate the sending emails from the website when necessary. As well as the admin user account also should be created using this email address.

1.3.7. After creating the Gmail account then open the file call **util_class.php** which is located at includes folder (default full file path is C:\wamp\www\opsd\includes) on a text editor. Then find the line called **$mail->Password** and enter the password of the created Gmail account in to the double quotes which is the full line finally looks like **$mail->Password = "YourGmailPasswordHere" ;** .

1.3.8. This step includes the database creation part. In the **Web Project** folder there is file called **opsd - MySQL DB Creation.sql** which is the SQL script used for database creation. In order to do so open the file on a text editor and copy the content into the clipboard. Then open the **PHPMyAdmin** panel in WAMP server by following the below image.

Click on phpMyAdmin in order to open it on the browser.

The user interface of the phpMyAdmin panel looks like the below image and open the **SQL** tab on the panel and paste the copied content in to the given text area.



1. Open the SQL tab

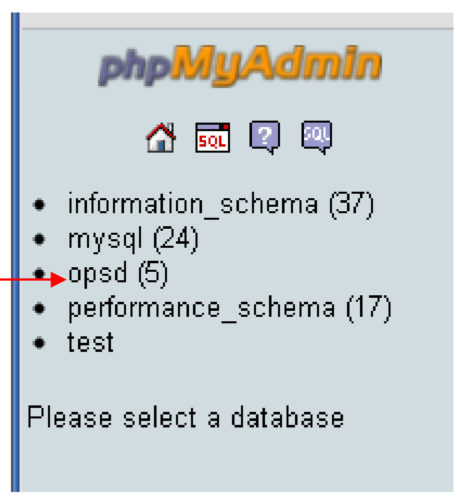
Currently available database list

2. Paste the content from the sql file in the Web Project folder

3. Click Go button to execute the database creation

After creating the database the database list will be updated as below.

Newly created database name will be displayed on the database list.



1.3.9. After creating the database open the db_constants.php file in includes folder (default full file path is C:\wamp\www\opsd\includes). There is a code snippet with 4 lines as below.

```
1. define("DB_HOST", "localhost");
2. define("DB_NAME", "opsd");
3. define("DB_USERNAME", "root");
4. define("DB_PASSWORD", "123");
```

Change the **localhost** to a particular IP address on line 1 if any other database server is used rather than a localserver.

Change the **opsd** on line 2 to a particular name if the name of the database which is created on above step is changed.

Change the **root** on line 3 if different username is used for the database server.

Change the **123** on line 4 if different password is used for the database server.

Do changes as necessary and save the db_constants.php file.

1.3.10. Then open the sign up page on the web browser and do the first sign up without regarding the user type selection with the Gmail address creating on above. Then the admin account will created.

This way the main configurations should be done before release the website to the public.

2. FAQ

2.1. Common FAQ

2.1.1. How to sign up for a user account?

Go to site menu and click the **Sign Up** link. Then you will be able to sign up for an account according to the user type you wish.

2.1.2. How to sign in for the user account?

Go to site menu and click the Home or Sign In link. Then sign in form will be appear. Then you will be able to enter your username and password to login to your account.

2.1.3. How to search projects?

Go to site menu and click the Search link. Then search panel will appear. Select the Search Projects tab. Enter keywords to search the project you want and select the search terms by the combo box next to the text field. Then click "Search Projects" button. If search results were found then results will be displayed as a list, below to the search form.

2.1.4. How to view projects details?

Click the link that shows a particular project title on the website (on search project results or any other site content etc).Then a new tab will be open with the full details of the particular project.

2.1.5. How to search users?

Go to site menu and click the Search link. Then search panel will appear. Select the Search Users tab. Enter keywords to search the user you want and select the search terms by the combo box next to the text field. Then click "Search Users" button. If search results were found then results will be displayed as a list below to the search form.

2.1.6. How to view users’ details?

Click the link that shows the username of a particular user on the website (on search users results or any other site content etc).Then a new tab will be open with the full details of the particular user.

2.1.7. How to view user feedbacks on a particular user?

Click the User Feedbacks link on view user page of the particular user (check FAQ - How to view users details?).Then new tab will be open with the user feedbacks on that particular user. At there you will be able to add a new user feedback or edit the feedback if you have already submitted

2.1.8. How to donate the website?

Go to site menu and click the Donate us link. Then PayPal donation page will be appear on a new tab. Continue the donation process at PayPal website with the amount you wish to donate.

2.1.9. How to contact the website administration?

Go to site menu and click the Contact us link. Then the default email client at your end will be opened with the website administration email.

2.1.10. How to edit profile details?

First Sign In to your account. Then click the My Account link on site menu. Then go to Manage Profile tab in My Account section. Then you will be able to,

1. Edit your personal profile details at Edit Profile Details Form.

2. Change password at Change Password Form.

3. Change/Remove the profile image at Change Profile Image Form.

2.1.11. How to view the list of own feedbacks?

First Sign In to your account. Then click the My Account link on site menu. Then go to Reviews and Ratings tab in My Account section. That tab will be divided in to 2 subsections.

1. On View Own Feedbacks tab you will be able to see the list of all feedbacks which are submitted by other users on you.

2. On View Own Submitted Feedbacks tab you will be able to see the list of all feedbacks which are submitted by you on other users. And you will be able to change any feedback of that list directly.

2.2. FAQ for Project Client user

2.2.1. How to add a project?

First Sign In to your account. Then click the My Account link on site menu. Then go to Manage Projects tab in My Account section. Enter required details in Add Project form and click "Add Project" button to add a project to the website.

2.2.2. How to upload files for a particular project?

First Sign In to your account. Then click the My Account link on site menu. Then go to Manage Projects tab in My Account section. Then go to in Upload Related Files form and select a project from the combo box called "Select a Project" and click "select project" button. Then the details of the uploaded files of the selected project will be displayed at the bottom of the form. And also new file can be uploaded to the selected project there.(maximum 3 files are allowed to upload per project)

2.2.3. How to edit details of a particular project?

First Sign In to your account. Then click the My Account link on site menu. Then go to Manage Projects tab in My Account section. Then go to in Upload Related Files form and select a project from the combo box called "Select a Project" and click "select project" button. Then the details of the selected project will be displayed at the bottom of the form. Then you will be able to do changes on the details of a particular project and click "save update" button to edit the selected project.

2.2.4. How to view requests comes from developers for a particular project?

First Sign In to your account. Then click the My Account link on site menu. Then go to Manage Project Requests tab in My Account section. Then select the title of the particular project from the combo box and click "View Requests" button. Then the list of all requests will be displayed below to the form.

2.2.5. How to assign a project to a developer?

First check FAQ - "How to view requests comes from developers for a particular project?". Then on the each request on the list you can click the username of the developer and view the details of the developer. And also check the reviews and ratings from the User Feedbacks link at the bottom of the view user page and identify the suitable developer for the project. After identifying the developer then go back to the requests list and click accept button on the request which was sent by the selected developer. Then popup message will appear to confirm the accepting the particular request. Then other requests will be automatically rejected and selected developer will be notified via email. For further more communication with the developer you can use the email of the developer.

2.2.6. How to donate a developer?

First check FAQ - "How to view users details?". Then go to the view user page of a particular developer. Click the Make a Donation link at the bottom of the page. Then PayPal donation page will be opened on a new tab(Make sure the donation link is started with www.PayPal.com and valid PayPal URL to donate).Continue the donation process at PayPal website with the amount you wish to donate.

2.3. FAQ for Project Developer user

2.3.1. How to add donation link?

First you have to have a donation link which is created at PayPal. Follow this tutorial to create a donation link at PayPal if you don’t have. Then Sign In to your account. Then click the My Account link on site menu. Then go to Manage Profile tab in My Account section. Then go to the Add

Donation Link panel and enter the donation link you have created at PayPal and click "Save Donation Link" button. (Reference - http://zerodollarchallenge.blogspot.com/2008/05/PayPal-donate-link-instead-button.html)

2.3.2. How to manage preferences?

First Sign In to your account. Then click the My Account link on site menu. Then go to Manage Profile tab in My Account section. Then go to Add Developer Preferences form and check the preferences (Maximum 10 preferences are allowed to select) according to your preferences to develop the projects. After selecting the checkboxes click "save preferences" button.

2.3.3. How to send project requests?

First Sign In to the user account as a project developer and then check FAQ - "How to view projects details?". On view project page of a particular project if the project is available to request then there will be a link called Send a Request to Client at the bottom of the page. Click that link and then a popup message will be appeared to confirm the sending a request for that particular project. Click OK on popup message and then a request will be sent to the client of the particular project. And also the project client will be notified via an email regarding the new request.

2.3.4. How to view sent requests?

First Sign In to your account. Then click the My Account link on site menu. Then go to View Own Project Requests tab in My Account section. Then the list of all requests which were sent by you will be appeared. You can check status on requests on this page.

2.4. FAQ for Site operator user

2.4.1. How to edit details on other users?

First Sign In to your account as a site operator and then check FAQ - "How to view users details?" On the view user page of the particular user (allowed user types to edit are project developers and project clients) to be edited, click the link called Edit User at the bottom. Then a new tab will be appeared with the details of the particular user where the site operator will be able to edit details.

2.4.2. How to edit details on other projects?

First Sign In to your account as a site operator and then check FAQ - "How to view projects details?". On the view project page of the particular project to be edited, click the link called Edit Project at the bottom. Then a new tab will be appeared with the details of the particular project where the site operator will be able to edit details.

2.4.3. How to edit feedbacks on a particular user?

First Sign In to your account as a site operator and then check FAQ - "How to view user feedbacks on a particular user?" On the view user feedbacks page of the particular user, there will be a link called Edit Feedback on each feedback. Click the Edit Feedback link on the particular feedback to be edited. Then a new tab will be opened with the details of selected feedback where site operator will be able to edit details.

2.5. FAQ for Site admin user

2.5.1. How to edit details on other users?

First Sign In to your account as the admin and then check FAQ - "How to view users details?". On the view user page of the particular user (allowed user types to edit are project developers and project clients) to be edited, click the link called Edit User at the bottom. Then a new tab will be appeared with the details of the particular user where the admin will be able to edit details.

2.5.2. How to edit details on other projects?

First Sign In to your account as the admin and then check FAQ - "How to view projects details?". On the view project page of the particular project to be edited, click the link called Edit Project at the bottom. Then a new tab will be appeared with the details of the particular project where the admin will be able to edit details.

2.5.3. How to edit feedbacks on a particular user?

First Sign In to your account as a the admin and then check FAQ - "How to view user feedbacks on a particular user?". On the view user feedbacks page of the particular user , there will be a link called Edit Feedback on each feedback. Click the Edit Feedback link on the particular feedback to be edited. Then a new tab will be opened with the details of selected feedback where the admin will be able to edit details.

2.5.4. How to assign site operators?

First Sign In to your account as a the admin. Then click the My Account link on site menu. Then go to Assign Site Operators tab in My Account section. Enter site operators details in Assign Site Operators form and click "Add site operator" button to assign. Then provide the account details to the particular site operator to enable him/her to access his/her account.

2.5.5. How to set website donation link?

First you have to have a donation link which is created at PayPal. Follow this tutorial to create a donation link at PayPal if you don’t have. Then Sign In to your account. Then click the My Account link on site menu. Then go to Manage Profile tab in My Account section. Then go to the Add Donation Link form and enter the donation link you have created at PayPal and click "Save Donation Link" button. (Reference - http://zerodollarchallenge.blogspot.com/2008/05/PayPal-donate-link-instead-button.html)