

# USER DOCUMENTATION

## OVERVIEW:

This documentation is part of PHP Programming Evaluation for Catalyst IT Australia. It contains brief description of task and necessary steps that are to be followed. As a part of task mentioned in the php-task.pdf, PHP script is created that can be executed in command line with various custom arguments. On execution of this script, data from csv file specified using arguments are inserted into the database.

Below are the arguments that can be used while executing script file and their functionalities:

- ❖ `--file [csv file name]` => this argument can be used to specify the csv file name that is to be used to insert data into database.
- ❖ `--create_table` => this argument ensures 'dbuser' database and 'users' table under that database is created.
- ❖ `--dry_run` => it ensures all the scripts run till end without performing task related to database.
- ❖ `-u username` => it specifies the username to be used in order to connect the database.
- ❖ `-p password` => it specifies the password to be used in order to connect the database.
- ❖ `-h hostname` => it specifies the hostname to be used in order to connect the database.
- ❖ `--help` => this argument can be used in order to display help instructions for other custom arguments.

For example:

**`php user_upload.php --file [users.csv] -u root -p pass -h localhost - --create_table`**

While using above command, database connection is established using the username i.e. 'root', password i.e. 'password' and hostname i.e. 'localhost'. After database connection is established database along with 'users' table is created. Finally, csv file is parsed and data is inserted into the 'users' table.

## ASSUMPTIONS:

Database Name: userDb

Table Name: users

Default database username, password and hostname have been set to 'root', "" and 'localhost' respectively.

## NOTE:

Script doesn't allow duplicate entry of email. i.e. two users can't have same email. All defaults will be overwritten by the passed arguments.

## Requirements:

Required csv file has to be uploaded in same folder containing user\_upload.php

## Some snapshots of the test cases:

Running script with arguments:

Command: `php user_upload.php --file [users.csv] -u root -h localhost --create_table`

```
C:\xampp\htdocs\task>php user_upload.php --file [users.csv] -u root -h localhost --create_table
userDb database created successfully
users table created successfully
jsmith@gmail.com is a valid email. Therefore it has been inserted into database.
ham@seek.com is a valid email. Therefore it has been inserted into database.
phil@open.edu.au is not a valid email. Therefore it hasn't been inserted into database.
john@yahoo.com.au is a valid email. Therefore it has been inserted into database.
mo'connor@cat.net.nz is a valid email. Therefore it has been inserted into database.
happy@ent.com.au is a valid email. Therefore it has been inserted into database.
Error inserting data: Duplicate entry 'ham@seek.com' for key 'constraint_name'
sam!@walters.org is not a valid email. Therefore it hasn't been inserted into database.
daley@yahoo.co.nz is a valid email. Therefore it has been inserted into database.
kevin.ruley@gmail.com is a valid email. Therefore it has been inserted into database.
edward@jikes@com.au is not a valid email. Therefore it hasn't been inserted into database.
```

Dry run of the script which ignores data insertion into the database:

Command: `php user_upload.php --file [users.csv] -u root -h localhost --create_table --dry_run`

```
C:\xampp\htdocs\task>php user_upload.php --file [users.csv] -u root -h localhost --create_table --dry_run
Name: John
Surname: Smith
jsmith@gmail.com is a valid email.

Name: Hamish
Surname: Jones
ham@seek.com is a valid email.

phil@open.edu.au is not a valid email.
Name: Johnny
Surname: O'hare
john@yahoo.com.au is a valid email.

Name: Mike
Surname: O'connor
mo'connor@cat.net.nz is a valid email.

Name: William
Surname: Smythe
happy@ent.com.au is a valid email.

Name: Hamish
Surname: Jones
ham@seek.com is a valid email.

sam!@walters.org is not a valid email.
Name: Daley
Surname: Thompson
daley@yahoo.co.nz is a valid email.

Name: Kevin
Surname: Ruley
kevin.ruley@gmail.com is a valid email.

edward@jikes@com.au is not a valid email.
```

