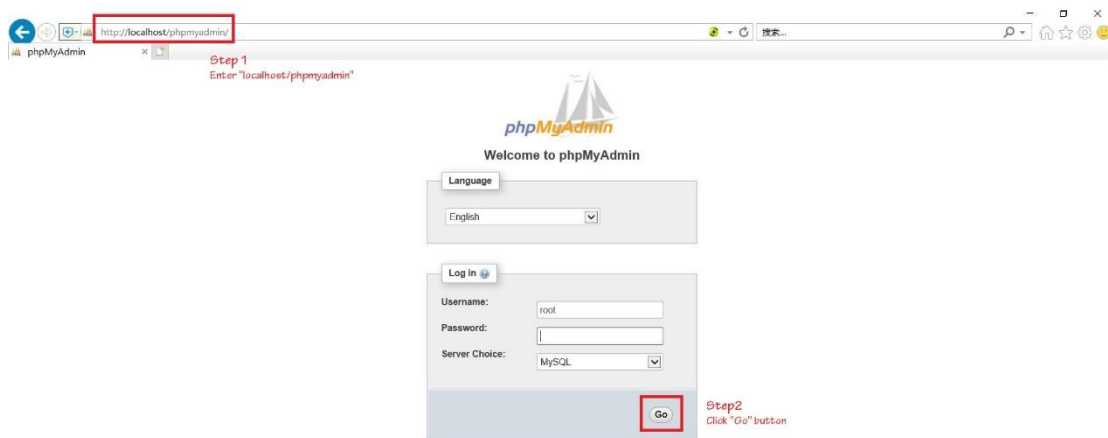


## User Manual

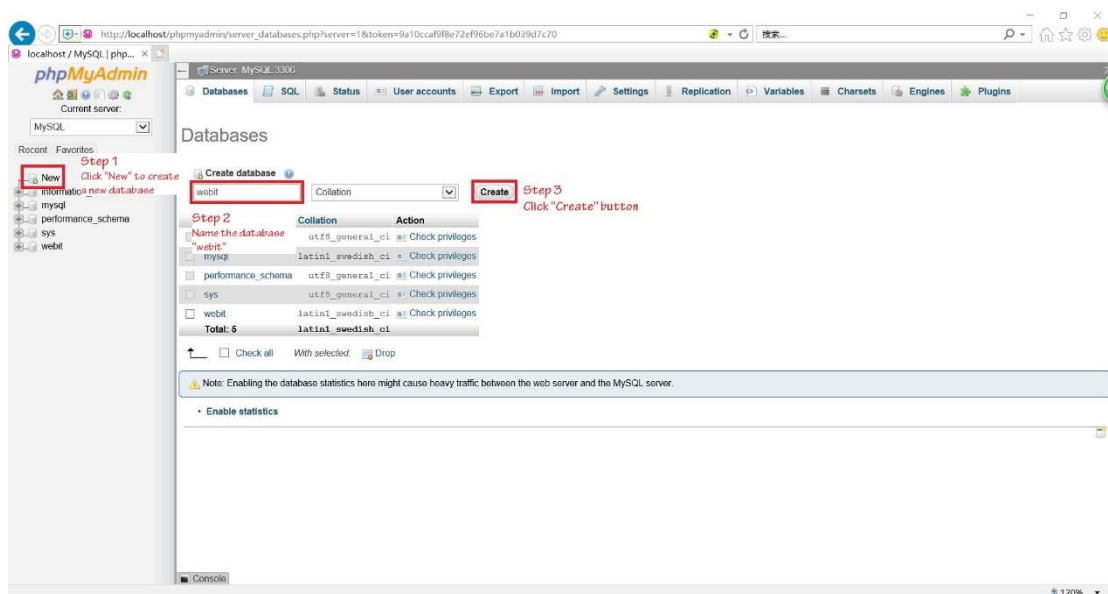
For local host:

This document will guide our user how to use our product to achieve the purpose of inferring product innovation through similarity computation.

1. Install the appropriate tool for setting up the database.  
If you are using Windows system, install Wampserver.  
If you are using OS system, install Ampps.  
Default setting is recommended.
2. Remove index.php file inside www directory
3. Copy all php and csv files (in the code file) to www directory
4. Find 'phpmyadmin' by open the default browser and go to <http://localhost/>
5. For first-time user, user is "root", and there is no need to create password, click "go".



6. Setting up a new database and name it as "webit".



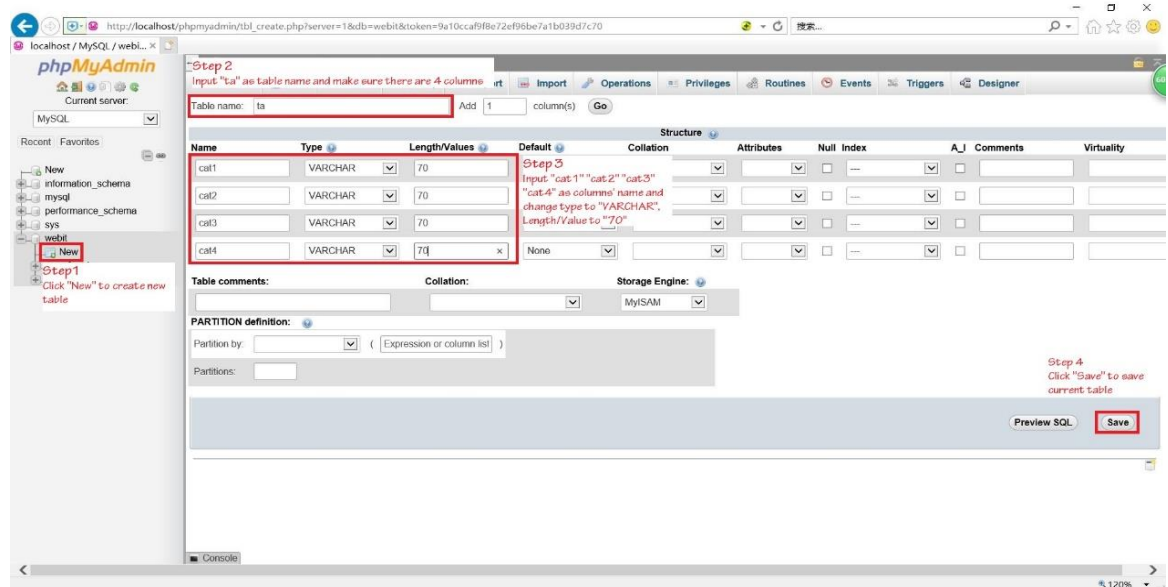
7. Create a table with 4 attributes, name it as "ta".

cat1 VARCHAR 70

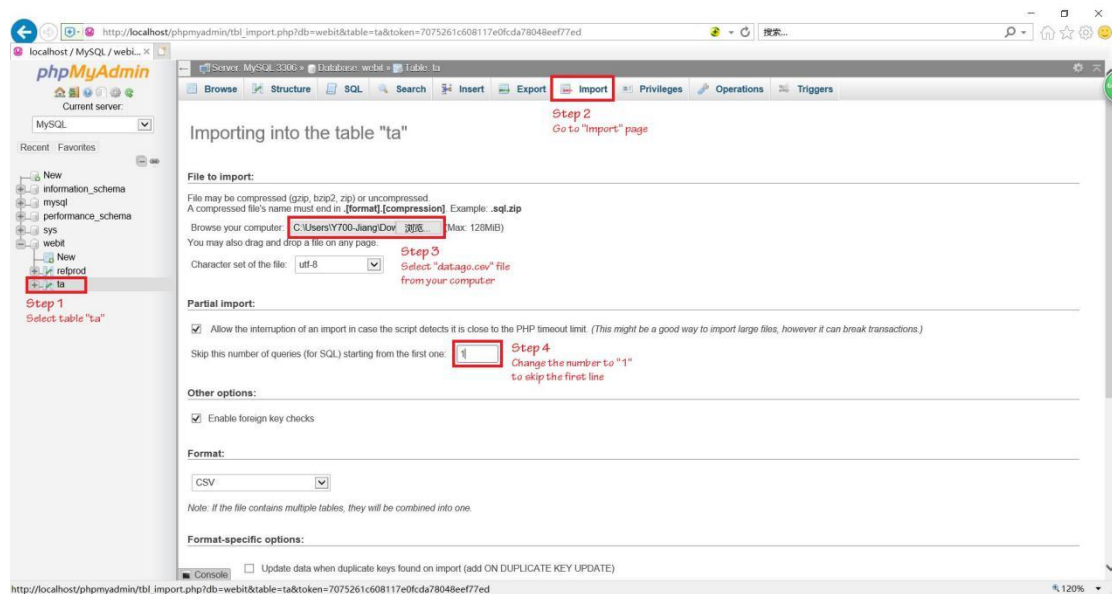
cat2 VARCHAR 70

cat3 VARCHAR 70

cat4 VARCHAR 70



Then import "datago.csv" as the source file for this table, ignore first line.

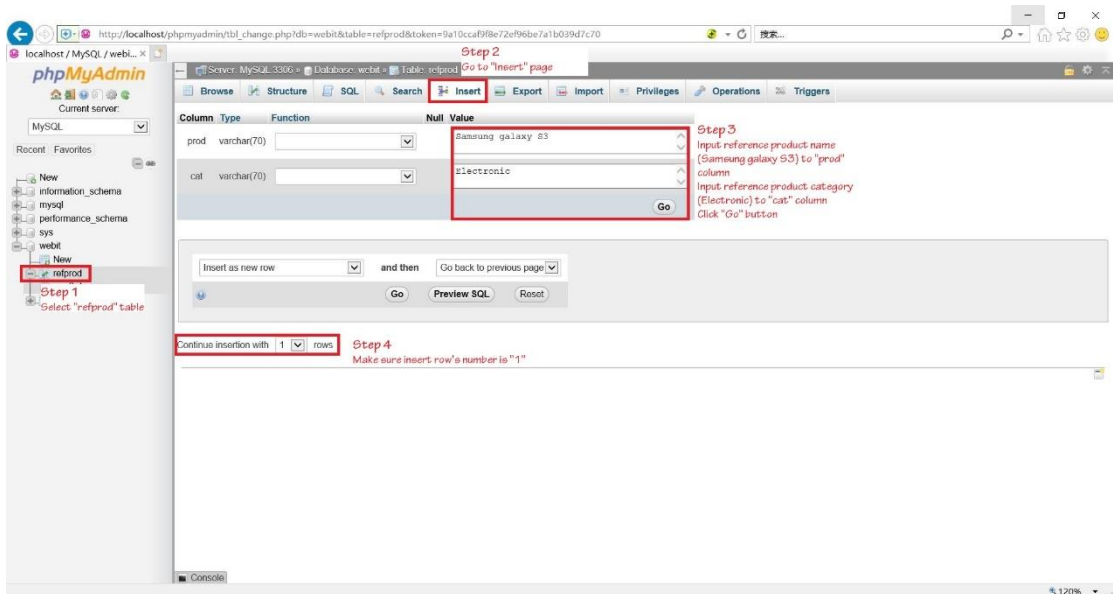


8. Create another table with 2 attributes, name it as "refprod".

prod VARCHAR 70

cat VARCHAR 70

Then insert "Mobile phone - Samsung galaxy S3(prod), Electronic(cat)" to this table.



9. Create a table “coquery”

mi VARVCHAR 5

ma VARCHAR 5

10. Create a table “revv”

prod VARCHAR 500

I1 VARCHAR 500

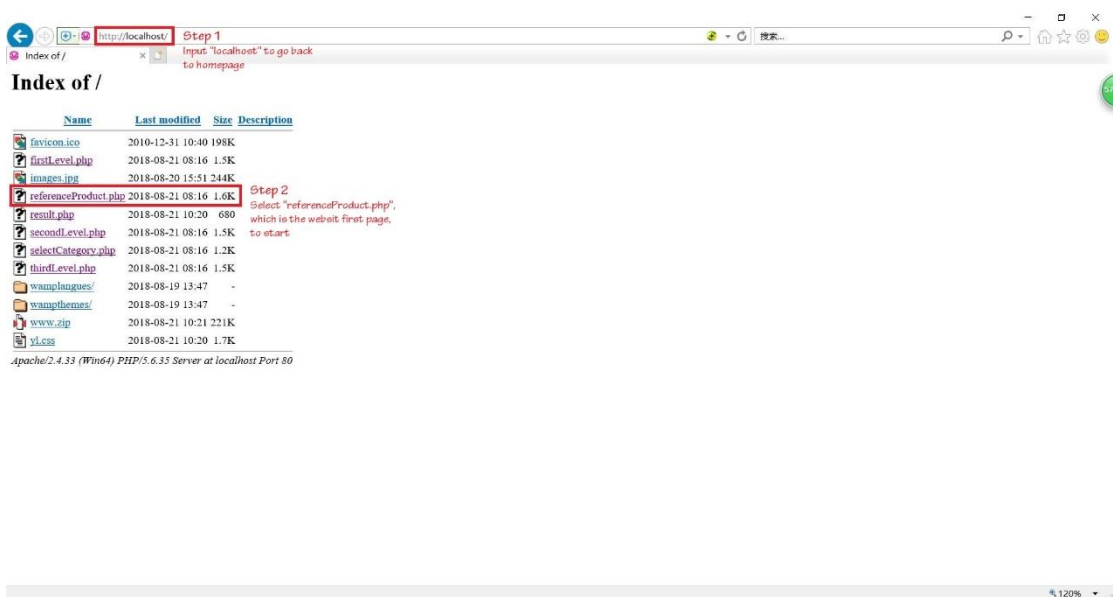
I2 VARCHAR 500

I3 VARCHAR 5000

fac VARCHAR 70

import RevEv.csv as source file and ignore the first line.

10. Finally, reload <http://localhost/> and click “referenceProduct.php” to enter the first page of our interface.



11. Select the reference product from the given dropdown list.

12. Enter the lower bound and upper bound values for similarity computation (Should be between 0.01 and 1.00)
13. The select related products level by level (If no selection is made, you cannot proceed to next page)
14. After all selections have been made, if there is at least one selected related product has the cosine similarity between the input threshold values, the following list will be shown:
  1. Evolution: If both level 1 feature and its following level 2 features of the selected related product match that of the reference product, both of them and the following level 3 feature of the selected related product will be shown in this list.
  2. Revolution 1: If there is a level 1 feature of the selected related product does not match with that of the reference product, this feature will be shown in this list.
  3. Revolution 2: If a level 1 feature of the selected related product matches with that of the reference product, but the following level 2 feature of the selected product does not match with that of reference product, then both this level feature and the following level 2 feature of the selected related product will be shown in this list.

Note:

When level 1 features are compared, as long as 70% of the string sequence match, then we regard them as equal features.

When level 2 features are compared, as long as 50% of the string sequence match, then we regard them as equal features.

For online user:

Visit: <http://ec2-13-211-176-195.ap-southeast-2.compute.amazonaws.com/referenceProduct.php>

For creating account, only the student email address of the University of Sydney can receive the verification code and the verification email may be marked as spam email, so please check your junk mail if you cannot find the code.

