

PRODUCT DESCRIPTION

About:-

This product is a replication from the site economist.com/quiz with major changes. Here the user can play the quiz and increase his general knowledge about the economy and some of the great economist of the world. The user can also compete among themselves by playing the quiz with thier friends to secure the place in top 20 players from around the world.

Features:-

1. User can create his account very easily by filling a simple form.
2. Users can use thier facebook account to log in.
3. If the user has already an account created in this application and by mistake he uses his fb account to log in and if both email's of fb and application are same then thier account will remain same.
4. AES encryption and base64 encoding/decoding security.
5. Crawler for administrator so that he can just click and questions can easily be crawled.
5. Also feature of variable upload file types in a specific format i.e .xml,.txt,.sql.
6. Top 20 player listing.
7. No time limit and no negative marking.
8. Users can play the same quiz as many no of times they want.
9. Users can chnage thier password by answering security question they have set while signing-up.
10. Users can give their feedback by logging in into thier account.

Requirements for setting-up on the server:-

1. Python 2.7
2. MySQL
3. List of python modules that needed to be installed:-
 - a) cgi
 - b) cgitb
 - c) MySQLdb

- d) urllib2
- e) json
- f) sqlparse
- g) base64
- h) Crypto.Cipher
- i) os
- j) xml.dom
- k) warnings

Note:- Some of the above modules are already installed by default so you can just check by importing those modules i.e import modulename in python shell.

4. JQuery/Js

5. Bootstrap

6. Apache xampp server or lamp server (if setting on a local machine)

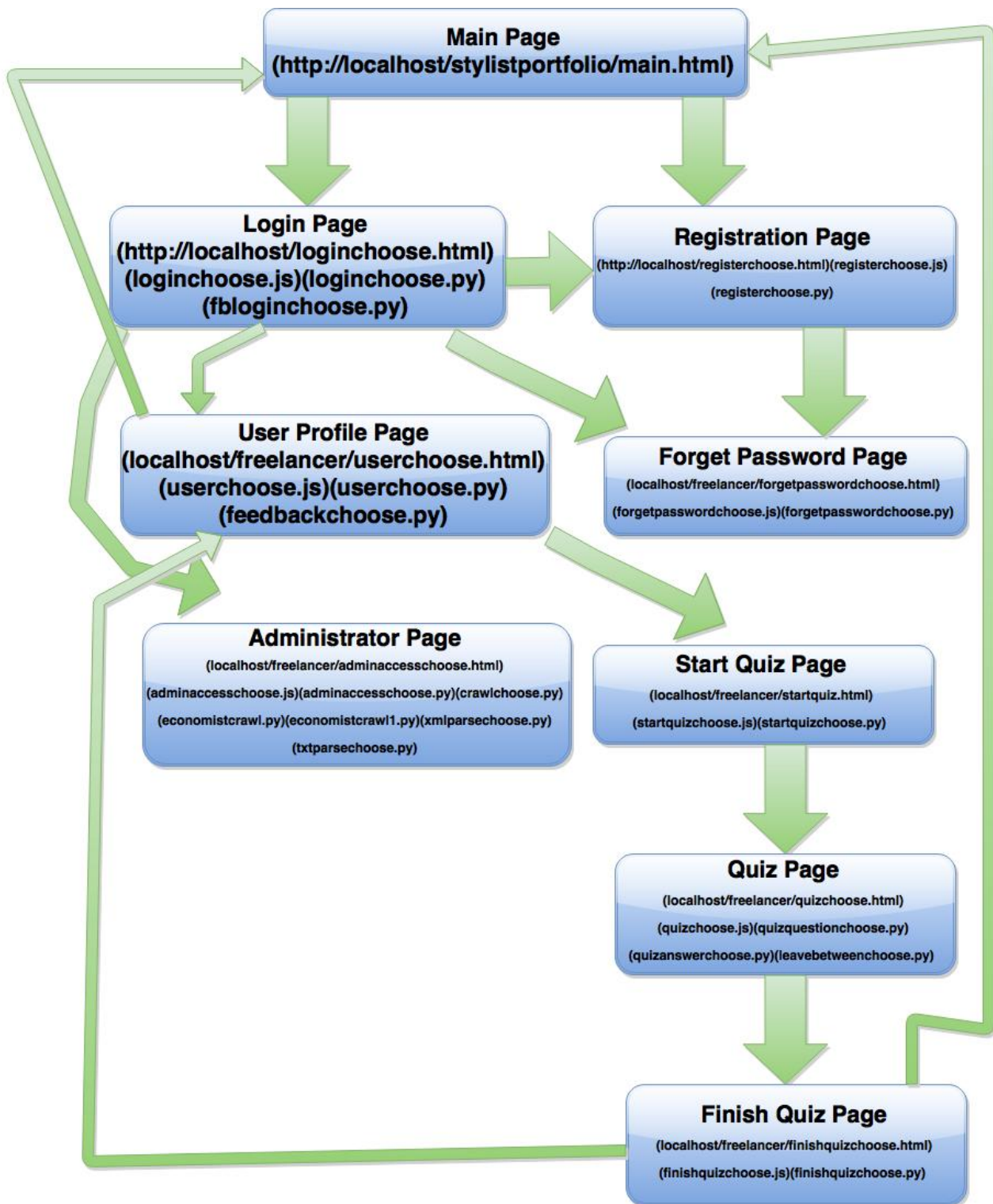
7. A web Browser preferably chrome, safari, mozilla

How to set up:-

1. Install MySQL and apache server (if on local machine). Make sure python is enabled and cgi-bin is enabled and have necessary permissions
2. Install python 2.7
3. Copy all the files given in html folder to your html folder or htdocs folder
4. Copy all files given in cgi-bin folder. Get necessary permissions so that server can access these files.
5. Open all .py files and change the username and password of sql connectivity to your sql username and password. By default the username is :- root and password is:- 1
6. Make sure all the python modules are installed and importing in the python shell.
7. Import the choosetothinq.sql file in the database "choosetothinq" by creating it using phpmyadmin.
7. That's it. Now it will work.

Working:-

The whole structure will be explained with the help of the following flowchart:-



The above flowchart shows the working. There are 4 tables involved for the process:-

SQL Structure

1. **Register table:-** It is the main table i.e when the user sign-up the whole information is stored in this database. During Sign-in and forget password

the credentials are validated using this table. And also top20 players are chosen from this table. This table has name, gender, email, total score, no of games and avg score etc for each user.

2. Game table:- This table keeps the record of the current players playing the quiz. Here when the user presses the Start Quiz button the details are taken from user table and copied into game table and after every question is answered correctly it will update the score. On finishing it will update the total score, no of games and average score in the register table and delete the user's record from the game table. If the user leaves in between the quiz the record will be deleted automatically without updating as he has left the quiz in between.

3. Questions table:- This table keeps the record of questions, options and the correct option and upload time. When the administrator crawls/uploads the questions are stored on this table

4. Feedback table:- This table keeps the record of the feedback given by the user.

5. Forget Password Table:- This table keeps the record of all the request received from the user. He can request only once till the request is serviced by the administrator.

Codes Structure

The main page is the localhost/stylishportfolio/main.html as shown in the flowchart. From here the user can navigate to sign in page and sign up page. If the user clicks on the sign up page he has to fill a form and it will be checked whether his email is registered or not. If it is not registered the details will be entered in the register table and his profile will be created. If it is registered then he will be asked to go to forget password page where he has to enter his email and if the email is registered he will enter the password. Once he click on Submit Password then the password with the email will go into the forget password table. From this table the administrator can change the password in the backend. On Login page he can use his facebook account to login or his login credentials. On successful login a token is generated by encrypting the email and stored in the local storage of the browser. Then his profile will be opened by getting the details from register table if the token is valid. In his profile page he can

give his feedback, he can see his details and his profile picture (if valid link is provided). He can read the rules and click on Play Game button from where he will be transferred to the startquiz.html page so that when he is ready he can click on start quiz button. On clicking of start quiz button the quizchoose.html opens with the first question and also the current top 20 player list is generated and shown. Also the details are entered into the game table. On submitting each answer the answer is validated and if it is correct a dialog created using jquery UI will be displayed with 10 points award message and his score is updated to 10 points. Also the background of the circular board created becomes green. But if the user answers wrong question then the dialog with the correct answer is displayed and the background of the circular board will become red. After answering 9 questions his score will be saved to the main register table and his score for the quiz is displayed. From there he can log out or go back to his profile. Now on the login page there is a hardcoded login which is for the administrator whose credentials are:-

1. Email:- admin@webmaster.com

2. Password:- admin12345

If the admin enters these details then he will be transferred to adminaccesschoose.html where he has to re-enter his password and he can click on crawl from economist.com button or upload the .txt,.xml,.sql file in the specified formats by putting them in the cgi-bin folder. On Crawling/Uploading if success a success message is displayed.

This is the structure of the codes.

For any Clarifications contact:-

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