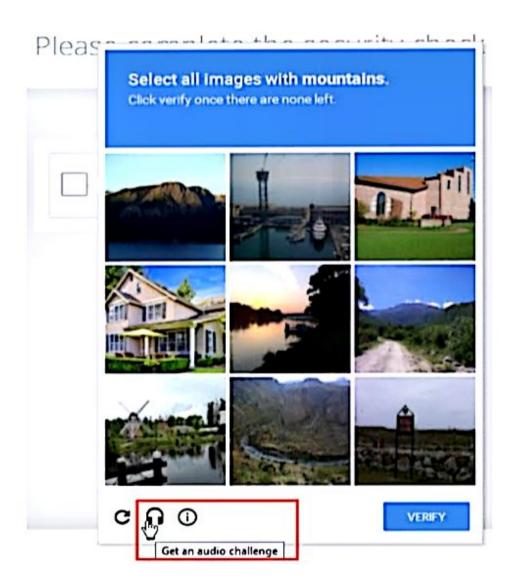
Project no:-18 INT-213 REPORT

Title:-Image base captcha using python

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* Intro

- a) Captcha is used to human Verification
- b) Image Captcha is more secure than text based Captcha.

* Requinements.

- a) Requirements of this project is to display some images.
- b) Based on the images user has to select that Image which specify the question.
- c) After clicking the submit button, Answers should be Verify with the user response.
- d) if captcha is more complex then user can skip that for the next captcha.

Design and GUI

- a) We python to write the code and tkinter for implementation own Chraphical user interface.
 - b) we used PIL Fox putting the images on the GOJ.

Tkinter - is a python libonary user for Govi.

PIL - Python Image Liborany.

- From tkinter import
- From PIL imposit Image, Image Tk.

Coding

- * Python To write the code.
- * Salite3 To handle the database for the project import salites.
- * We make use of classes in own coding pant so that We have to write less code.
- at Also we uses the inhemitance of the classes for reusing the code again and easy access to the require data.

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Classes

- * Image class
- > Por a single image and its attributes.
- * Granoup class
- -> It will consist of its attributes and qimages.
- * Captcha class
- It inhemited by Granoup class and the use of the captcha is displaying uses response and validation of nesponse.

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Service Wally

```
Captcha class
 Captcha. Py
  captcha (GAOUP·GAOUP)
        -init - (self, groot, ggroup-id)
       - image _ clicked (self, index, i, j)
         next_captcha (self)
        neset (self)
         show-captcha (self)
         show_welcome_page(self)
         Venify (self)
Group class
  Cogroup. Py
   G7910UP
       __init__ (self, id)
       get_answer_ list (self)
       get_answer-list (self)
       get_image_list (self)
       set_answer_for (self, index, value)
       Set_gesponse_for (self, index)
       set_statement(self)
 Files
* Main . Py
  captcha. PY
   GROUP - PY
   image - PY
   Patabase . Pdb
```

Features

* Reset

-> user can neset what ever helshe selected.

* Next captcha

- if the captcha is more complex them user has a Choice to skip that captcha. , call coplete (self)

replanation

* Venify

- this is a button to venify the image selection.

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