The idea of this project is to create a semi-automatic web based bot to a) collect the emails found on

the website’s contact-us pages, b) send messages via the same contact us pages and c) via SMTP.

SQL DATABASE TABLES (you will need to create these tables)

1. Bot\_users | This table will have the fallowing fields: user, password
2. Bot\_urls |This table will have the fallowing fields: url, cpage, last\_sent
3. Bot\_set | fields: name, last, email, phone, subject, message, send\_to, send\_hr, host, port, username, password
4. Bot\_emails | This table will have the fallowing fields: id, email, last sent, status

USER AREA

1. Index page (see index.jpg) | I want to be able to login from this page. After succesful login, I want to be redirected to the “work” page.
2. settings page (see settings.jpg) | **UPLOAD URL LIST**, here I want to be able to upload a list of URLs to Bot\_urls table. Add the url to the “url” field and add 0000-00-00 00:00:00 (date and time) to “last\_sent” field.

**EMAILS PER HR**, this is the amount of emails I want send via SMTP per hour when cron runs. The info here needs to be saved on Bot\_set table on “sents\_hr” field.

**SEND TO**, this is the time period I want set to send messages via the contact-us pages on websites. The info from here will be saved on Bot\_set table and on “last\_sent” field. I want to be able to enter any number of days here. (See more info on this on the “work” page).

**MESSAGE TO BE SEND**, this is the message that will be send via SMTP and from the contact-us pages using the “WORK” bot page. This info will be saved on Bot\_set table and on “name”, “last”, “email”, “phone”, “subject” and “message” fields. When sending this message via SMTP the site will automatically add this at the buttom of the email message:

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**SMTP SETTINGS**, this are obvious settings to set up the SMTP. I want a box where I can enter an email to send a TEST email to see if the SMTP setings are working correctly. All the SMTP info will be store on Bot\_set table on: host, port, username, and password fields.

SMTP (this is just to give you an idea of how the smtp needs to be set up, this is not a real email)

Host: mail.email.com

Port: 465

Encryption: SSL

Username: [emails@email.com](mailto:emails@email.com)

Password: MailPass123

1. opt-out page (see opt-out.jpg) | This is the page where people reciving messages via SMTP (emails) will use to unsubscribe. When someone enters an email here and submits, the site will change the “status” field from 1 to 2 on Bot\_emails table.
2. work page (see work.jpg) | a) when a user reach this page, the site will automatically load a **URL/website** on a iFrame from Bot\_urls table, depending on the number set on Bot\_set table and “send\_to” field. If Bot\_set table and field “send\_to” = “0” then the site will ramdomly select a url with “last\_sent” = 0000-00-00 00:00:00 . If Bot\_set table, field “sent\_to” = “30” then the site will ramdomly select a url with “last\_sent” (date and hour) 30+ days older. If Bot\_set table, and field “send\_to” = “60” then the site will ramdomly select a url with “last\_sent” (date and hour) 60+ days older. If Bot\_set table, and field “send\_to” = “200” then the site will ramdomly select a url with “last\_sent” (date and hour) 200+ days older.

b) after selecting the URL/website to display, the site will read the “cpage” field on the same table, and display the url found there. If Bot\_urls table, “cpage” field = empty, then the site will display the URL found on Bot\_url table and “url” field. (After sending 1 message there will always be an url on the “cpage” field).

If the “cpage” field was empty, it means I have never send a message to that url/website, and that I will need to manually look for the contact-us page on the display site. Let’s say the url/website display is: <https://www.hawaiianbbqplano.com> and then I find the contact-us page on <https://www.hawaiianbbqplano.com/contact-us-order-to-go-take-out-pano-tx/> then this last page/url will be added to the “cpage” field after I click on **FILL**.

When I click on **FILL**, site will do this: a) will add the current url/page to Bot\_urls table on the “cpage” field. b) will look for emails on the page and auto-populate the 5 boxes for emails with the emails found. (I undestand most sites will only have 1 email, in this case only one box will be fill and the others will be left empty). c) will auto-populate the contact us form found on the page with: name, last, email, phone, message (all these information is found on Bot\_set table).

You can use the fallowing urls/sites to test your work and see if the bot does work: (don’t worry about the CAPTCHAS, I will manually fill them):

<https://www.hotelzaza.com/contact>

<http://great-times.co.uk/contact-us/>

<https://abhomeshop.com/contact-us>

<https://www.hawaiianbbqplano.com/contact-us-order-to-go-take-out-pano-tx/>

<https://3elevendallas.com/contact>

I undestand some contact pages will not have a form to fill, just an email. In this case just grab the email as normal.

In case the site does not populate all the fields, I want to be able to fill the form manually. I need to be able to click on: NAME, LAST, EMAIL, PHONE, SUBJECT, MESSAGE and copy the information to clipbord to be able to paste it on the appropiate box on the contct-us form. Example, if I click on SUBJECT, whatever is stored on the Bot\_set table and on “subject” field will be copied to clipbord.

When user clicks on **NEXT**, I want the site to do the fallowing: a) add the emails found into Bot\_emails table, if an email is already in the database, just SKIP it (I do not want duplicates). And will also place a 1 on the “status” field. b) will add the current date and time to Bot\_urls table and “last\_sent” field. c) site will then display the next URL from Bot\_urls table depending on the number of days set on Bot\_set table “sent\_to” field. If there are no URLs matching the number of days set on Bot\_urls and “last\_sent” field, then display a url with date: 0000-00-00 00:00:00 The idea is for me to have control on how aften I want to send messages to the website owners.

If I click on the **X**, the I want that URL deleted from Bot\_urls table and then select and display a new URL from same table, according to the number of days set on Bot\_set table “sent\_to” field.

1. CRONS JOBS

I need you to create a file named “cron”. I want this file to be used to run the cron jobs. Cron will requiere a passord to run the jobs, if password is wrong or missing, then DO NOT RUN THE JOBS.

cron\_a (this cron will run every hour) when running this cron the site will send the amount of emails set on Bot\_set table, “send\_hr” field. If set to 25, then send only 25 emails, if set to 50, then send 50 emails, etc. Cron will ramdomly select emails that have 0000-00-00 00:00:00 and/or are older than 120 days on Bot\_emails table and “last\_sent” field.

The message to be send is in Bot\_set table, “subject”, and “message” fields. After sending an email, cron will UPDATE the date on Bot\_emails table, “last\_sent” field to CURRENT date and time.

**Sample email message:**

Special Offer From Domain.com

Hello, I would like to introduce you to Domain.com where you will find a large selection of products to buy from.

https://domain.com

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I need to be able to set the cron job on my server like this:

wget -O /dev/null -o /dev/null <https://domain.com/cron/cron_a/1225>

1225 is the password. If this number is missing or wrong, then do NOT RUN THE JOBS when going to directly to url: <https://domain.com/cron/cron_a/1225>

I also want to be able to change the password by manually editing the cron file.

Congratulations you have fineshed this project! Now please do some TESTS to make sure everything is working fine.

Thanks!