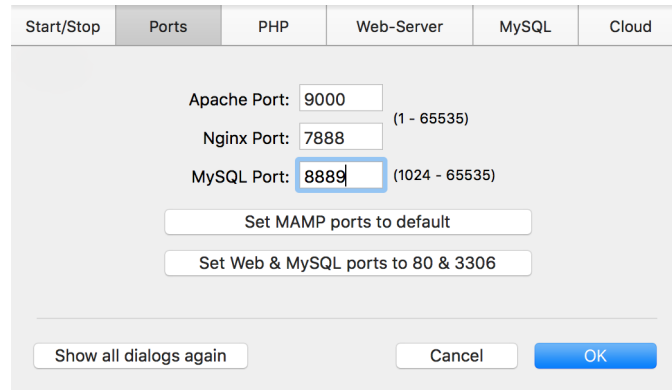


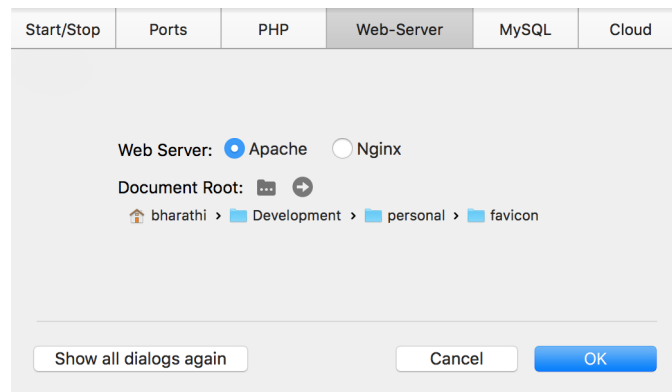
README

MAMP INSTALLATION & CONFIGURATION

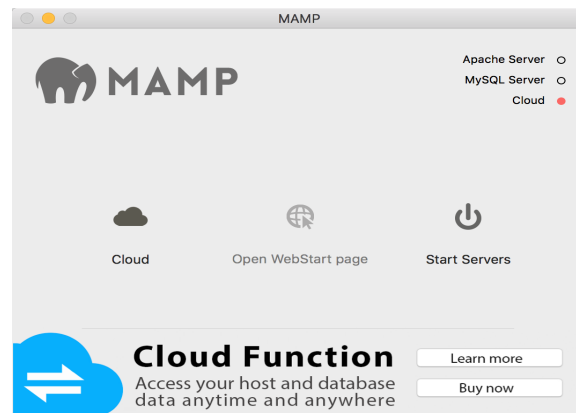
→ Download favicon.zip from <https://github.com/beebha/favicon> to a local directory.
→ Download and install MAMP from https://www.dropbox.com/s/ymrm8k6hucto0of/MAMP_MAMP_PRO_4.4.1.pkg?dl=0.
→ After installation, go to MAMP > Preferences > Ports and update Ports as shown below.



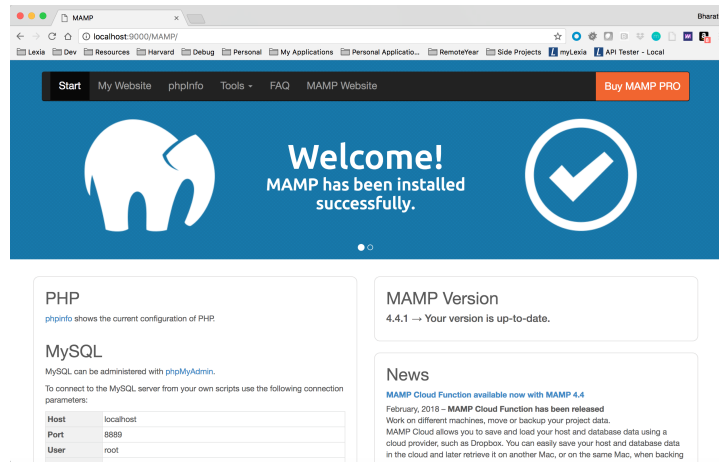
→ MAMP > Preferences > Web-server and point to the unzipped favicon directory as shown below.



→ Start the servers on MAMP



→ Access <http://localhost:9000/MAMP/> and you should see the following page if everything went OK.

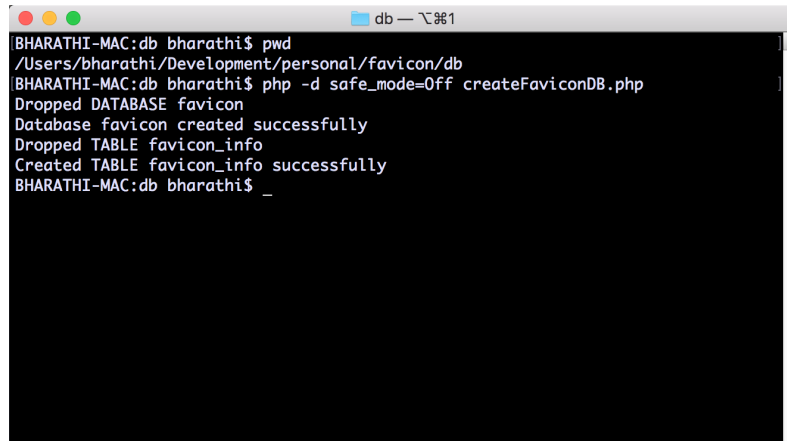


CREATING DB SCHEMA FOR FAVICON APP

→ Ensure the MAMP server is running, open a Terminal Window and cd to /favicon/db and execute the following command:

php -d safe_mode=Off createFaviconDB.php

SUCCESSFUL RESULT:

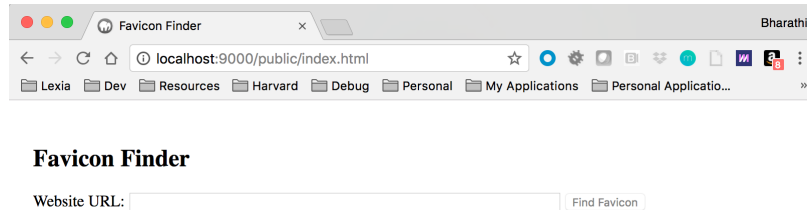
A screenshot of a macOS Terminal window. The window title is 'db — 100%'. The terminal shows the following commands and output:

```
BHARATHI-MAC:db bharathi$ pwd
/Users/bharathi/Development/personal/favicon/db
BHARATHI-MAC:db bharathi$ php -d safe_mode=Off createFaviconDB.php
Dropped DATABASE favicon
Database favicon created successfully
Dropped TABLE favicon_info
Created TABLE favicon_info successfully
BHARATHI-MAC:db bharathi$ _
```

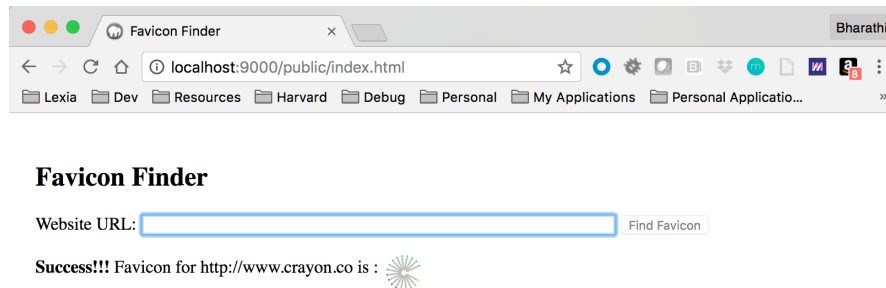
TESTING THE APPLICATION

→ **PLEASE NOTE:** The testing of the application can happen before or after of the seeding of the DB.

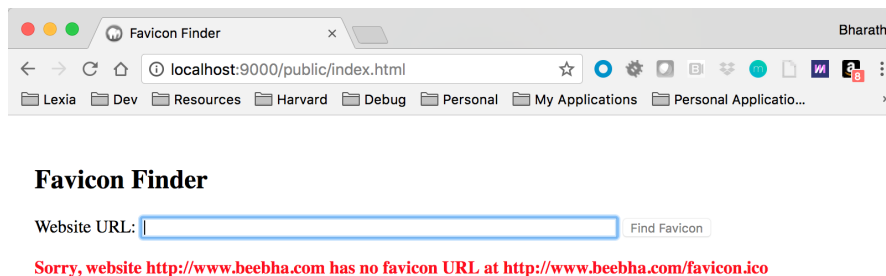
→ With the MAMP server running and the DB schema created, the favicon finder app can now be tested by accessing <http://localhost:9000/public/index.html>.



SUCCESSFUL SEARCH FOR FAVICON RESULTS:



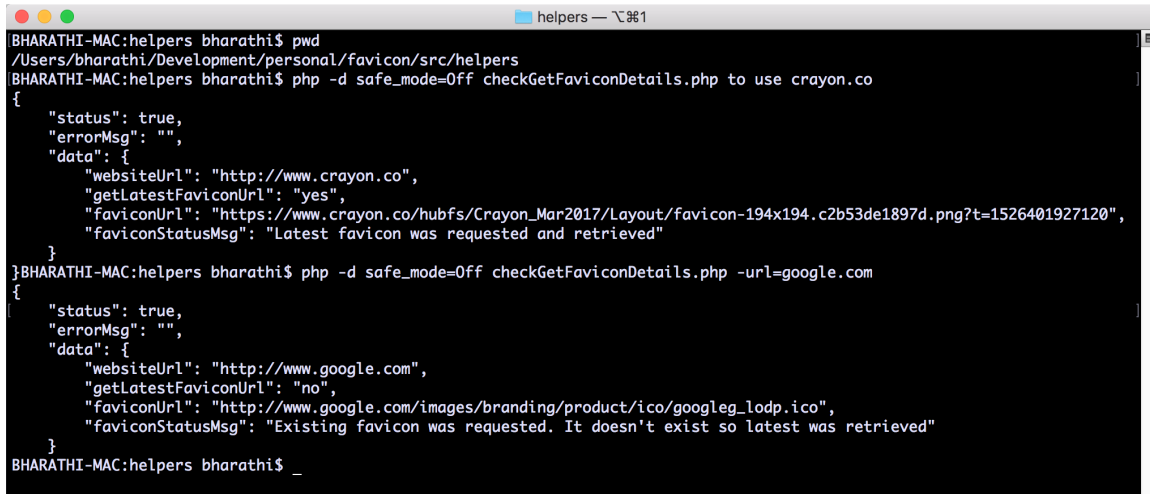
UNSUCCESSFUL SEARCH FOR FAVICON RESULTS:



NOTE: The application can also be tested via the terminal as follows:

- cd to /favicon/helpers
- Execute `php -d safe_mode=Off checkGetFaviconDetails.php` to use crayon.co as a default website.
- Execute `php -d safe_mode=Off checkGetFaviconDetails.php --url=SOME_WEBSITE`, example, `php -d safe_mode=Off checkGetFaviconDetails.php --url=google.com` to check the website provided.

RESULTS:

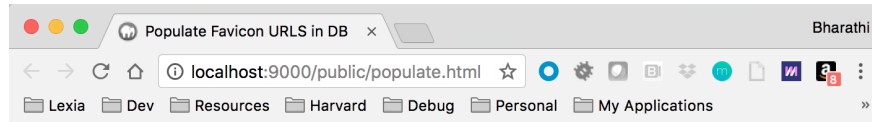


```
BHARATHI-MAC:helpers bharathi$ pwd
/Users/bharathi/Development/personal/favicon/src/helpers
BHARATHI-MAC:helpers bharathi$ php -d safe_mode=Off checkGetFaviconDetails.php to use crayon.co
{
  "status": true,
  "errorMsg": "",
  "data": {
    "websiteUrl": "http://www.crayon.co",
    "getLatestFaviconUrl": "yes",
    "faviconUrl": "https://www.crayon.co/hubfs/Crayon_Mar2017/Layout/Favicon-194x194.c2b53de1897d.png?t=1526401927120",
    "faviconStatusMsg": "Latest favicon was requested and retrieved"
  }
}
BHARATHI-MAC:helpers bharathi$ php -d safe_mode=Off checkGetFaviconDetails.php -url=google.com
{
  "status": true,
  "errorMsg": "",
  "data": {
    "websiteUrl": "http://www.google.com",
    "getLatestFaviconUrl": "no",
    "faviconUrl": "http://www.google.com/images/branding/product/ico/googleg_lodp.ico",
    "faviconStatusMsg": "Existing favicon was requested. It doesn't exist so latest was retrieved"
  }
}
BHARATHI-MAC:helpers bharathi$ _
```

SEEDING THE DB

→ **PLEASE NOTE:** The seeding of the DB can occur before or after the initial testing of the application.

→ With the MAMP server running and the DB schema created, access <http://localhost:9000/public/populate.html>.



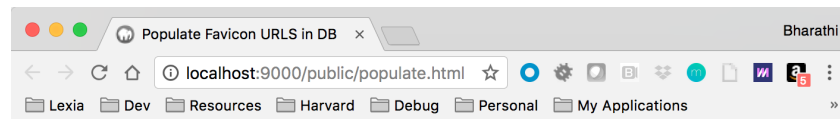
Populate Favicon URLs in DB

Populate

→ Hit the populate button and the provided csv file (top-million.csv) will be processed and records will be inserted into the DB. The UI provides the details such as number of records inserted into the DB, invalid websites and websites that do not have favicon URLs.

→ The results of a process is seen once complete.

PROCESSING IN PROGRESS



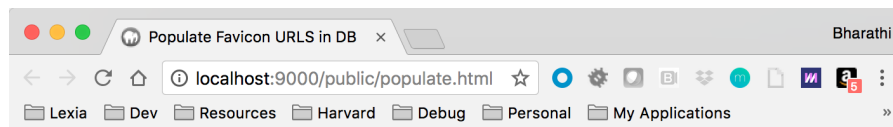
Populate Favicon URLs in DB

27 rows inserted into DB...

Favicon URL: <http://www.sohu.com/favicon.ico> is invalid

Favicon URL: <http://71.126.250.172/favicon.ico> is invalid

PROCESSING COMPLETE



Populate Favicon URLs in DB

A total of 28 rows were inserted into DB. We. Are. Done!

Favicon URL: <http://www.sohu.com/favicon.ico> is invalid

Favicon URL: <http://71.126.250.172/favicon.ico> is invalid