Setting up a website (ujsolon.com) using github.com

1. Create a github repository via github.com
2. Create a CNAME file, no file type. Inside the file, you should have ujsolon.com in first line
3. Create an index.html file. This should contain the html code for the website.
4. Upload other files and icons for the website as necessary,
5. Buy domain ujsolon.com via https://www.namecheap.com/
6. In the domain settings, locate the part where you can modify host records. In Namecheap it is via Dashboard-> Manage-> Advanced DNS-> Host Records

See [2][3]

1. Add four A records.

This is to point the ujsolon website to the github servers.

See [4]

* 1. Type: A record-> Host:@-> Value: 185.199.108.153-> TTL:20mins
  2. Type: A record-> Host:@-> Value: 185.199.109.153-> TTL:20mins
  3. Type: A record-> Host:@-> Value: 185.199.110.153-> TTL:20mins
  4. Type: A record-> Host:@-> Value: 185.199.111.153-> TTL:20mins

1. Add one CNAME record.

This is to secure the website thru HTTPS.

See [1]

* 1. Type: CNAME record-> Host:www-> Value: [ujsolon@github.io](mailto:ujsolon@github.io). -> TTL:1min

1. Aside from the four A records and this CNAME record, it might be necessary to erase other records, it might prevent the website from working properly. Previous record that I have on the Namecheap file is
   1. TXT Record-> Host: \_github-pages-challenge-ujsolon -> Value: 6cbf0158ccb1ca04ec133209924f49 -> TTL: Automatic
   2. URL Redirect Record-> Host: \* -> Value: <http://www.ujsolon.com/> -> TTL: Unmasked
   3. URL Redirect Record-> Host: @-> Value: <http://www.ujsolon.com/> -> TTL: Unmasked
2. Go to the github repository of the website -> Settings -> Pages

Input ujsolon.com in the custom domain field. Wait for the DNS check to finish and tick enforce HTTPS.

See [5]

1. Website should now be easy to access.

The next steps outline other settings that are in place during the this live website

1. Namecheap -> Dashboard -> Domain -> Redirect Email
   1. Alias: Catch-all -> [ujsolon@gmail.com](mailto:ujsolon@gmail.com)
   2. Alias: admin -> [ujsolon@gmail.com](mailto:ujsolon@gmail.com)
   3. Alias: administrator -> [ujsolon@gmail.com](mailto:ujsolon@gmail.com)
2. Namecheap -> Dashboard -> Advanced DNS -> Mail settings -> Email forwarding
   1. TXT Record -> Host: @ -> Value: v=spf1 include:spf.efwd.registrar-servers.com ~all -> TTL: Automatic

Update 24Jan2023

1. TXT record in (9a) is used by github for page verification.

See [6][7]

1. Checking if verified is done via <https://github.com/settings/pages>
2. TTL for both CNAME and TXT records set at Automatic

Update 29Apr2023

1. Website redesign for html practice. HTML and CSS template from w3schools [8]
2. Registered for fontawesome account [9] for icons called in html as <i class="fa-brands fa-facebook"></i>
3. HTML previews done in online editor [10]

References

1. <https://docs.github.com/en/pages/getting-started-with-github-pages/securing-your-github-pages-site-with-https>
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3. <https://www.namecheap.com/support/knowledgebase/article.aspx/434/2237/how-do-i-set-up-host-records-for-a-domain/>
4. <https://github.com/orgs/community/discussions/23049>
5. <https://docs.github.com/en/pages/getting-started-with-github-pages/securing-your-github-pages-site-with-https>
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