TIME ZONED

Introduction:

Time Zoned displays the current time in any of the time zones in the world. The input is given by hovering over one of the rectangular elements corresponding to the required time zone. The output is a textual display of the time and day of the week at the chosen time zone, along with a visual representation of the time zone on a world map.

Resources Used:

HTML
CSS
JavaScript
Adobe Illustrator

Working:
Login:

This page includes basic form validation in javascript with a little formatting and styling from CSS.

The main form includes 4 fields namely, username, email, password and confirmation password field. Various criteria need to be met when entering data which is validated through the javascript code.

A validate function is executed upon submission where the data is passed through a series of 'if' statements which checks the necessary requirements. For example, an if statement processes whether the password length is less than 8 characters and if the data doesn't meet the requirement, an error is shown and the user is prompted to type the correct password.

After the form is filled and all the criteria are met, upon submission the user is linked to the main time zone page where they can view the different time zones.

Note: No PHP/Cookies have been used to store in the username and password.

Main Page:

The visual output on the world map works like so: When the mouse is taken over one of the tabs showing the UTC time offset, a layer of "shadow" on the map corresponding to the chosen time zone gets hidden, thus making the time zone region "light up".

Also, the corresponding time is displayed(on the right). This is done by acquiring the local time and adding/subtracting the time offset of the chosen time zone with the local time.

Moving the mouse cursor out of the tab will unhide the "shadow" on the map, returning it to its default. Also, the time on the right returns to displaying the local time.

Resources:

Some of the HTML and JavaScript features used are:
onmouseover and onmouseout events
setInterval(,) function
getHours(), getMinutes(), setMinutes() functions

TIME ZONED

Press F11 to exit full screen

Username
Email
Password
Password Confirmation
Register

TIME ZONED

Hover over the tabs below to view the current time in the time zones (mentioned in UTC)

12 -11 -10 -9 -8 -7 -6 -5 -4 -3.5 -3 -2 -1 0 +1 +2 +3 +3.5 +4 +4.5 +5 +5.5 +5.75 +6 +6.5 +7 +8 +9 +9.5 +10 +11 12

Thursday

10:04 AM

TIME ZONED

Hover over the tabs below to view the current time in the time zones (mentioned in UTC)

12 -11 -10 -9 -8 -7 -6 -5 -4 -3.5 -3 -2 -1 0 +1 +2 +3 +3.5 +4 +4.5 +5 +5.5 +5.75 +6 +6.5 +7 +8 +9 +9.5 +10 +11 12

Thursday

12:34 AM