

Case Study – Password Validate

Password Validator

Create a Password Validator using following details:-

HTML Behaviour

- There should be only one **H1** tag with text "Password Validator".
- There should be only one **HR** tag below **H1** tag.
- There should be only one **H2** tag with text "Enter Password" below **HR** tag.
- There should be only one **INPUT** tag below **HR** tag with following attributes:-
 1. **ID** should be **password**.
 2. **TYPE** should be **password**.
 3. **PLACEHOLDER** should be **Enter password...**
- There should be only one **BUTTON** tag with text "Validate Password" below **INPUT** tag.
- There should be a **PARAGRAPH** tag with **ID valid** below **BUTTON** tag.
- There should be another **PARAGRAPH** tag with **ID invalid** below first **PARAGRAPH** tag.
- There should be a **H4** tag with text "Instructions:-" below **PARAGRAPH** tag.
- There should be a **UL** tag below **H4** tag with following list items:
 1. Password must contains Uppercase letter.
 2. Password must contains LowerCase letter.
 3. Password must contains Digits.
 4. Password must contains Symbols.
 5. Password minimum length should be 8.
 6. Password maximum length should be 50.

Javascript Behaviour

- On click of **Validate Password** button check :-
 1. If **INPUT** is empty then there should be a message "**!Please enter password.**" show in **PARAGRAPH** tag with **ID invalid**.
 2. If **INPUT** is not empty then validate password with given instructions in **UL** tag.
 3. If **PASSWORD** is **VALID** than there should be a message "**Congratulations! password is valid.**" shown in **PARAGRAPH** tag with **ID valid**.
 4. If **PASSWORD** is **INVALID** than there should be a message "**!Password length must between (8-50) and must contains one uppercase letter, one lowercase letter, one digit and one symbol.**" shown in **PARAGRAPH** tag with **ID invalid**.
 5. If a **PARAGRAPH** has text than another **PARAGRAPH** should be empty.

CSS Behaviour

- The **BODY** tag should have following properties:-
 1. **BACKGROUND COLOR** should be **BLACK** in **RGBA** format.
 2. **TEXT COLOR** should be **WHITE** in **RGBA** format.
 3. **TEXT** should be in **CENTER**.
- **H1, H2 and H4 TEXT COLOR** should be **GRAY** in **RGBA** format.
- **INPUT** should have **5PX PADDING**.
- **BUTTON** should have following properties:-
 1. **PADDING** should be **5PX**.
 2. **BACKGROUND COLOR** should be **GRAY** in **RGBA** format.
 3. **COLOR** should be **WHITE** in **RGBA** format.
 4. **SOLID BORDER** in **WHITE COLOR** in **RGBA** format with **1PX SIZE**.
 5. **CURSOR** should be **POINTER**.
- **ON HOVER BUTTON** should have following properties.
 1. **BACKGROUND COLOR** should be **BLACK** in **RGBA** format.
 2. **COLOR** should be **GRAY** in **RGBA** format.
 3. **SOLID BORDER** in **GRAY COLOR** in **RGBA** format with **1PX SIZE**.
- **UL** should have following properties:-
 1. **COLOR** should be **GRAY** in **RGBA** format.
 2. **VERTICAL DISTANCE** between lines should be **23PX**.
 3. **TEXT SIZE** should be **18PX**;
 4. **DISPLAY** should be **INLINE BLOCK**.
 5. **TEXT** should be in **LEFT**.
 6. **MARGIN** should be **0PX**.
- **PARAGRAPH** with **ID valid** should have **RGBA(227, 63, 32, 1) TEXT COLOR**.
- **PARAGRAPH** with **ID invalid** should have **RGBA(47, 102, 16, 1) TEXT COLOR**.

Preview

Password Validator

Enter Password

Enter password...

Validate Password

Instructions:-

- Password must contains Uppercase letter.
- Password must contains LowerCase letter.
- Password must contains Digits.
- Password must contains Symbols.
- Password minimum length should be 8.
- Password maximum length should be 50.