

Project Part 4

Due date

Sat 1st April before 11:30 PM

Requirements

In this part, you will validate the forms you created in the *Subscribe* and *Contact us* pages.

Note: you are not allowed to rely on the browser to perform validation such as using the `required` or other HTML attributes, you will get no marks if you do so.

Tip: you may need to use some string properties and methods that we didn't cover in class such as `length`, `indexOf()`, `charAt()`, `lastIndexOf()`, `substring()`, etc.. You are expected to learn these methods on your own and use whichever you find helpful for you to complete the validation. In the interview, you could be asked questions about the methods you used and/or to describe each one in terms of what *parameter it takes*, *the task it performs*, and *what it returns*. The following links can be helpful for you to learn about strings and their methods in JavaScript:

https://www.w3schools.com/js/js_string_methods.asp

https://www.w3schools.com/js/js_string_search.asp

1. In the *Subscribe* page, add code to validate the user input using only **JavaScript** or **jQuery**. Your validation must perform the following:
 - a. All text fields are required, i.e., cannot be empty
 - b. Full name and user name fields must be composed of only letters
 - c. The two password fields cannot be empty, the password must be at least eight characters long, and must contain at least one letter, one number and one special character. The confirmation password must be the same as the original password
 - d. The two email address fields cannot be empty and the email must contain the `@` character, followed by at least two other characters, followed by `.edu.qa` at the end. The confirmation email must be the same as the original email.
 - e. The phone number cannot be empty and must contain digits only conforming to the Qatari phone number format (exactly 12 digits in total).
 - f. The building number must be a number between 1 and 666.
 - g. The age entered by the user in the age field must be between 18 and 100.
 - h. The age calculated based on the date of birth entered by the user must be equal to the age entered by the user in the age field.
2. In the *Contact us* page, add code to validate the user input using only **JavaScript** or **jQuery**. Your validation must target the following:
 - a. The name of the user cannot be empty.
 - b. The message in the text area cannot be empty.
 - c. The user must select a preferred method of contact.
3. In both pages, display suitable error messages for each validation and prevent the browser from submitting the form if it doesn't pass the validation process.
4. In the *Subscribe* page, add a checkbox beside the password field and add JS code so that when the user checks the checkbox, the password field changes to type text and the user's input is displayed as clear

text. On the other hand, when the checkbox is cleared, the password field is changed back to type password to mask the user's input

5. In the *Contact us* page, add JS code so that when the user selects the *phone call* as a preferred method of contact, the type of the field to collect contact info changes from *email* to *tel* and vice versa
6. If the data entered by the user passes all validation, both forms will submit to:

<https://sit.cna-qatar.edu.qa/processform.php>

Submission

Zip the whole folder containing all your website files (including HTML files, style sheets, and image files) as a *.zip* not as a *.rar* and submit to the drop box on D2L.