



Front-End Essentials

Project Assignment


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RECORD OF CHANGES

No	Effective Date	Change Description	Reason	Reviewer	Approver
1	25/Jun/2018	Create a new assignment	Create new	DieuNT1	VinhNV
2	01/Jun/2019	Apply fsoft template Update FrontEnd requirements: split Specification1 and 2 by training day	Update	DieuNT1	VinhNV

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	CODE:	FEE.P.A101 (CMS)
	TYPE:	Project Assignment
	LOC:	N/A
	DURATION:	360 MINUTES

Project Assignment

Objectives

- ✓ Understand the basic concepts of Web Design (HTML, CSS, JS)
- ✓ Understand web design guidelines and process which you can apply to real world web projects
- ✓ Understand the syntax of HTML Element
- ✓ Understand important HTML Forms elements such as: form, form group, form control, submit
- ✓ Understand responsive web design by using CSS @media query
- ✓ Able use HTML and CSS to create a responsive web page
- ✓ Understand the core concepts of Bootstrap (layout, rows, grid, flex, components: buttons, alerts, utilities)
- ✓ Able to create complex, beautiful, responsive webpage with Bootstrap
- ✓ Understand the core concepts of JavaScript programming language
- ✓ Understand basic concept of DOM
- ✓ Able to add behavior to make web site dynamic using JavaScript (DOM)
- ✓ Understand jQuery (selector, onclick, add/remove attribute, toggle, insert, remove class, GET, POST) and AJAX

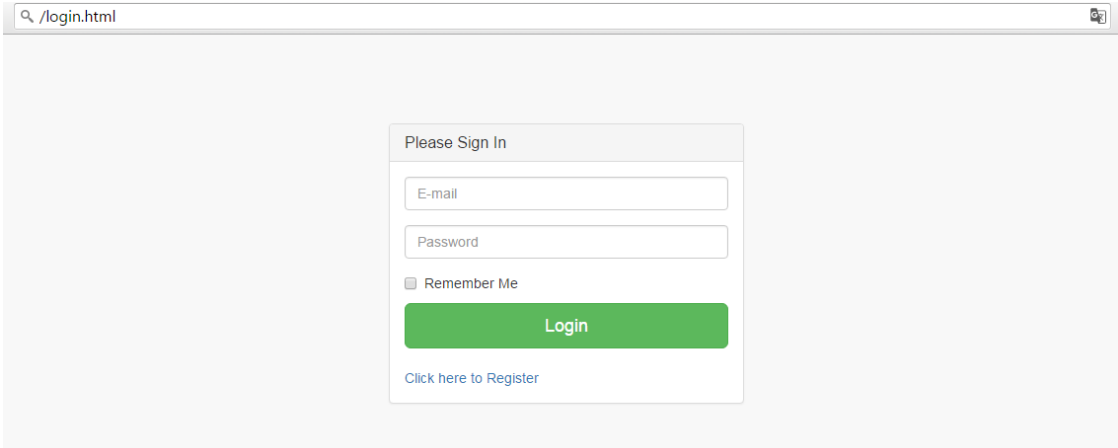
Technical Requirements

- ✓ Must use HTML, CSS, Bootstrap 4
- ✓ Must use JavaScript and jQuery

Day1-2: Specifications 1

You have to create the 5 pages for a CMS (Content Management System), the design for each page is as below:

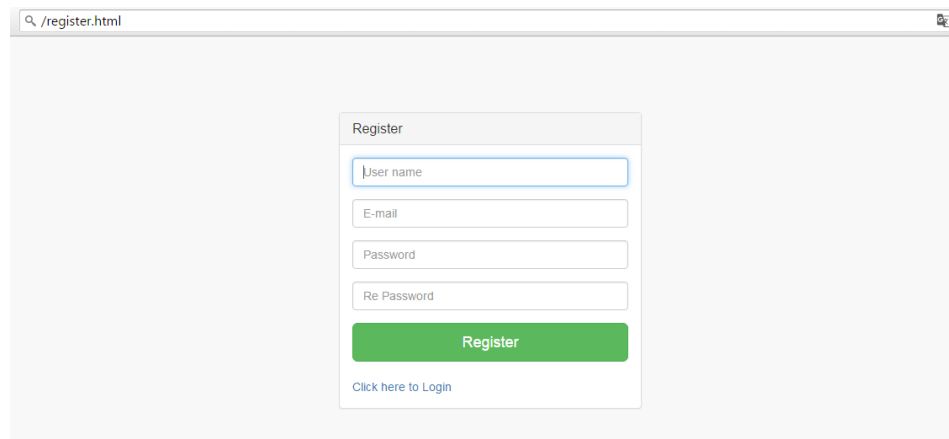
- ✓ *Login page*



List item definition for Login page:

No	Items	Type	Size
1	Email	Email	50
2	Password	Password	50
3	Remember Me	Checkbox	1
4	Login	Button	NA
5	Click here to Register	Link	NA

✓ *Register page*

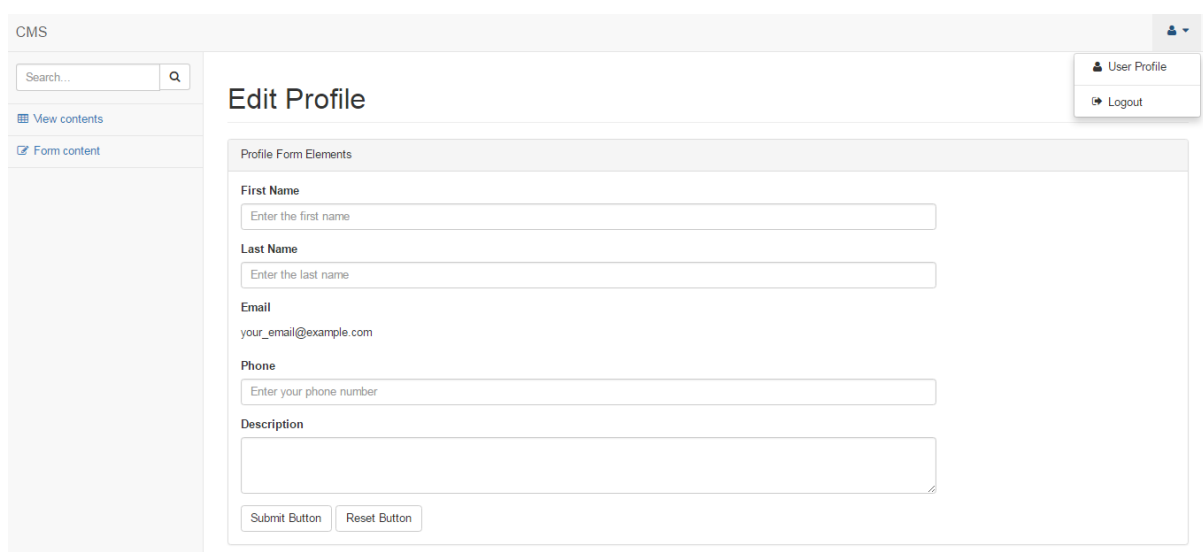


The screenshot shows a web browser window with the address bar displaying "/register.html". The main content area features a registration form titled "Register". The form contains four input fields: "User name", "E-mail", "Password", and "Re Password". Below these fields is a green "Register" button and a blue link that says "Click here to Login".

List item definition:

No	Items	Type	Size
1	User name	Text	50
2	Email	Email	50
3	Password	Password	50
4	Re Password	Password	NA
5	Register	Button	NA
6	Click here to Login	Link	NA

✓ *Edit Profile*



The screenshot shows a CMS interface with a sidebar on the left containing a search bar and links for "View contents" and "Form content". The main area is titled "Edit Profile" and contains a "Profile Form Elements" section. This section includes input fields for "First Name", "Last Name", "Email" (with a placeholder "your_email@example.com"), and "Phone" (with a placeholder "Enter your phone number"). There is also a "Description" field with a text area. At the bottom of the form are "Submit Button" and "Reset Button". In the top right corner, there is a user profile dropdown menu with options for "User Profile" and "Logout".

List item definition:

No	Items	Type	Size
1	First Name	Text	50
2	Last Name	Text	50
3	Email	Email	50
4	Phone	Text	NA
5	Description	Button	NA
6	Submit Button	Button	NA
7	Reset Button	Button	NA

✓ *Form content*

CMS

View contents

Form content

Add Content

Content Form Elements

Title

Brief

Content

Submit Button

Reset Button

List item definition:

No	Items	Type	Size
1	Title	Text	50
2	Brief	textarea	NA
3	Content	textarea	NA

✓ *View contents*

CMS

View contents

Form content

View Content

View Content List

#	Title	Brief	Created Date
1	Lorem ipsum dolor sit amet	Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.	31/08/2016 12:03
2	Vestibulum tincidunt est vitae	Aliquam ornare lacus adipiscing, posuere lectus et, fringilla augue.	31/08/2016 13:13
3	Aliquam ornare lacus adipiscing	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum tincidunt est vitae ultrices accumsan.	01/09/2016 15:09

Functional Requirement:

- Background color of all button must be green.
- Placeholder text in inputs must be in light gray color. You have to define the placeholder for each input text with same value as above figures.
- Add a new file called **styles.css** to customize the default CSS style of Bootstrap 4.

Estimated time: 3 hours

Day3-4: Specifications 2

Form validation normally used to occur at the server, after the client had entered all the necessary data and then pressed the Submit button. If the data entered by a client was incorrect or was simply missing, the server would have to send all the data back to the client and request that the form be resubmitted with correct information. This was really a lengthy process which used to put a lot of burden on the server.

JavaScript provides a way to validate form's data on the client's computer before sending it to the web server. Form validation generally performs two functions.

In this assignment, we must validate data in the list item definition:

✓ *Login Page Screen:*

No	Items	Type	Required	Min length	Max length
1	Email	Text	√	5	50
2	Password	Password	√	8	30

✓ *Register Page screen*

No	Items	Type	Required	Min length	Max length
1	User name	Text	√	3	30
2	Email	Email	√	5	NA
3	Password	Password	√	8	30
4	Re Password	Password	√	8	30

✓ *Edit Profile Page:*

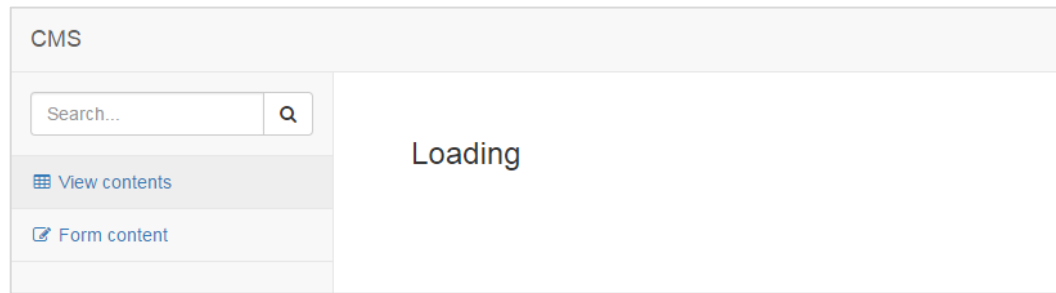
No	Items	Type	Required	Min length	Max length
1	First Name	Text	√	3	30
2	Last Name	Text	√	3	30
3	Phone	Text	√	9	13
4	Description	TextArea	NA	NA	200

✓ *Add Content Page:*

No	Items	Type	Required	Min length	Max length
1	Title	Text	√	10	200
2	Brief	TextArea	√	30	150
3	Content	TextArea	√	50	1000

Use Ajax: Click on item in left menu, it will be loading in 5 seconds, after that it will call corresponding HTML page.

Loading screen will be show in 5 seconds.



After that, it will show View Content screen.



In the Edit profile, if click to Submit button, it will call to update your information via Ajax.

Functional Requirement:

- ✓ The form must be checked to make sure all the mandatory fields are filled in the input tag. It would require just a loop through each field in the form and check for data.
- ✓ The data that is entered must be checked for correct form and value. Your code must include appropriate logic to test correctness of data.
- ✓ Show evidence of loading when click left menu
- ✓ Use Ajax to load View Content page and update information at Edit Profile.

Estimated time: 180 minutes

--THE END--