




Front-End Essentials

Project Assignment

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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)

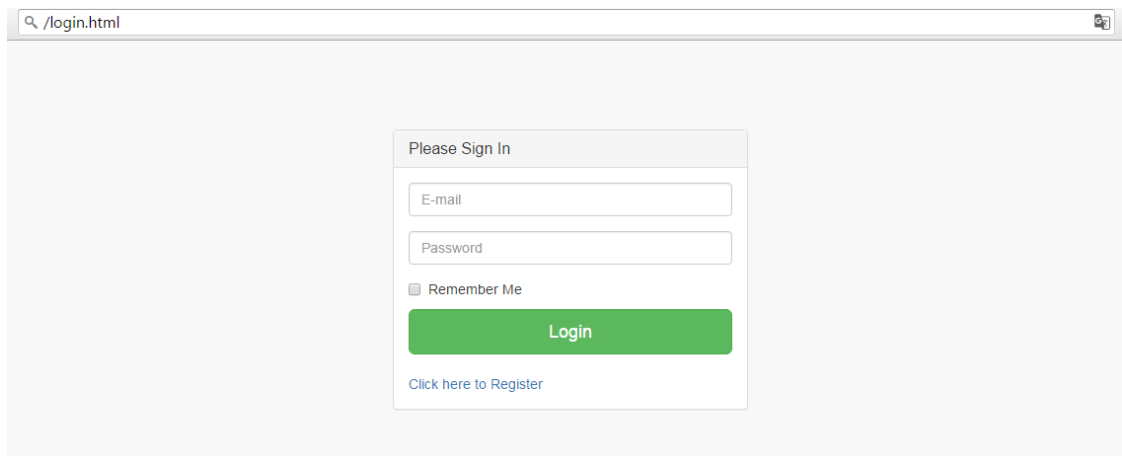
Technical Requirements

- ✓ Must use HTML, CSS or Bootstrap 4
- ✓ Must use JavaScript

Part 1: User interface

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

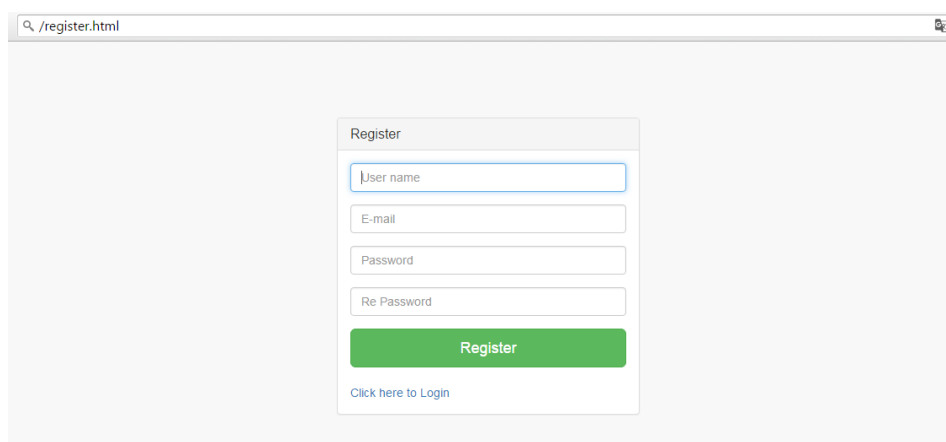
- ✓ *Login page*



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*

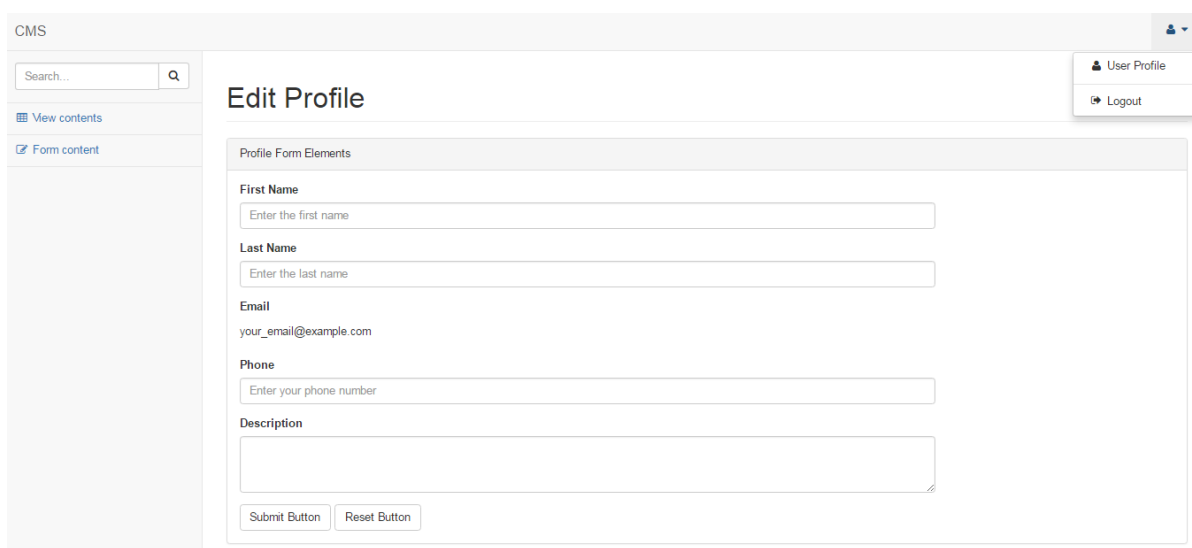


The screenshot shows a web browser window with the address bar displaying "/register.html". The main content area features a registration form titled "Register". The form includes four input fields: "User name", "E-mail", "Password", and "Re Password". Below these fields is a green "Register" button. At the bottom of the form, there is a 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. On the left is a sidebar with a search bar and two links: "View contents" and "Form content". The main area is titled "Edit Profile". In the top right corner, there is a user profile dropdown menu with options "User Profile" and "Logout". The "Edit Profile" section contains a "Profile Form Elements" box with the following fields: "First Name" (with placeholder "Enter the first name"), "Last Name" (with placeholder "Enter the last name"), "Email" (with value "your_email@example.com"), "Phone" (with placeholder "Enter your phone number"), and "Description" (a text area). At the bottom of the form are "Submit Button" and "Reset Button".

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 CSS

Part 2: Form validation

In this assignment, we must validate data using JavaScript 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

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.

--THE END--