

# Front-End Essentials

# **Training Assignments**

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#### **RECORD OF CHANGES**

No	Effective Date	Change Description	Reason	Reviewer	Approver
1.	01/Oct/2018	Create new	Draft		
2.					

# **Contents**

Build a JavaScript Quiz	4
Objective:	4
Specification:	Error! Bookmark not defined.
Technical Requirement:	Frrort Bookmark not defined



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TYPE: LONG

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DURATION: 180 MINUTES

## Day 3. Unit 05 - Build a Random Quote app

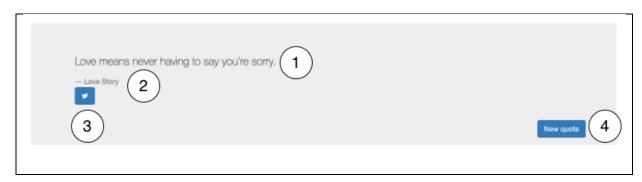
#### **Objective:**

- Understand the core concepts of JavaScript programming language
- Understand the principles of Object-Oriented Programming (OOP)
- Able to utilize various OOP features within JavaScript
- 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
- Know how to use JQuery library such as JQuery UI, JQuery Validator in mock project
- Able to use jQuery and AJAX to interactive with Web API

### **Specification**

Build a web app that display a random Quote.

The app look like figure below:



- 1. (1): the actual quote
- 2. (2): author of the quote
- 3. (3): Social sharing button
- 4. (4): New Quote button once clicked a new quote will be shown

#### **Quote API**

To get Quote you must use jQuery.post() method with below information:

- Request URL: <a href="http://quotes.stormconsultancy.co.uk/random.json">http://quotes.stormconsultancy.co.uk/random.json</a>
- Request Method: 'GET'

## **Technical Requirement**

- Must use HTML, CSS and Bootstrap 4
- Must use jQuery to implements