**Learning Documents – Group - 4**

1. **Diagrams**

We prepare UML diagrams to understand the system in a better and simple way. Any complex system is best understood by making some kind of diagrams or pictures. These diagrams have a better impact on our understanding. Thus, it is very important to understand the different diagrams to implement the knowledge in real-life systems.

References :

1. <http://vlabs.iitkgp.ernet.in/se/>
2. <https://www.geeksforgeeks.org/unified-modeling-language-uml-introduction/>
3. **HTML | CSS | JavaScript**

HTML,CSS and JavaScript are most important to build frontend , Styling , UI and Client Side Validations.

References :

1. [www.w3schools.com](http://www.w3schools.com)
2. **Angular JS**

AngularJS is a JavaScript-based open-source front-end web framework mainly maintained by Google and by a community of individuals and corporations to address many of the challenges encountered in developing single-page applications.

References :

1. <https://angular.io/docs>
2. **Angular - Materials**

**Angular Material** is a UI component library for **Angular** JS developers. **Angular Material** components help in constructing attractive, consistent, and functional web pages and web applications while adhering to modern web design principles like browser portability, device independence, and graceful degradation.

References :

1. <https://material.angular.io/>
2. **Express JS**

Express.js, or simply Express, is a web application framework for Node.js, released as free and open-source software under the MIT License. It is designed for building web applications and APIs. It has been called the de facto standard server framework for Node.js.

References :

<https://expressjs.com/en/starter/installing.html>

1. **Unit Testing**

**UNIT TESTING** is a level of software **testing** where individual units/ components of a software are tested. The purpose is to validate that each **unit** of the software performs as designed. A **unit** is the smallest testable part of any software. It usually has one or a few inputs and usually a single output.

Reference: <https://www.guru99.com/>

1. **System Testing**

**SYSTEM TESTING** is a level of **testing** that validates the complete and fully integrated software product. The purpose of a **system test** is to evaluate the end-to-end **system** specifications. Usually, the software is only one element of a larger computer-based **system**.

Reference: LIVE Interaction with Industrial Expert - Parin Patel , QA Analyst @ Oracle

Link : <https://drive.google.com/open?id=1KmI0jbKr72M1lvk8Om-d30Llmn9rayzI>

Automatic Testing : <https://www.selenium.dev/>

1. **Deployment**

**We Have deployed our project on AWS(Amazon Web Services).**

References : <https://docs.aws.amazon.com/ec2/index.html?nc2=h_ql_doc_ec2>