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Pune Institute of Computer Technology

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Department of Information Technology

Class : TECIT

Subject : LP-II (CWADL)

Assignment No. : 2c

A.Y. : 2023-24

Date :

Title : Angular application

Problem Statement :

Create an Angular application which will do following actions - Register User, Login User, Show User Data on Profile Component.

Objective :

To create an Angular application and learn Angular.

Theory :

Angular is a popular open-source Typescript framework created by Google for developing web applications. Front-end developers use frameworks like Angular or React to present and manipulate data efficiently and dynamically. Angular has been actively updated and has become more and more efficient with time, especially since the time the core functionality was moved to different modules. With the Angular CLI, we can install the required packages that facilitate creation and make the complex-structured code into a modular form that can be easy to manage and provide reusable components.

Features of Angular -

- It uses components and directives. Components are the directives with a template.
- It is written in Microsoft's Typescript language, which is a

superset of ECMAScript 6 (ES6).

- Angular is supported by all the popular mobile browsers.
- Properties enclosed in "()" and "[]" are used to bind data between the view and the model.
- It provides support for TypeScript and Javascript.
- Angular uses @Route Config {C...} for routing configuration.
- It has a better structure compared to AngularJS, easier to create and maintain for large applications but behind AngularJS in the case of small applications.
- It comes with the Angular CLI tool.

1. Angular requires a current, active LTS or maintenance LTS version of Node.js and NPM.

Install node.js <https://nodejs.org/>

It will automatically install NPM.

2. Install Angular CLI.

`npm install -g @angular/cli@latest`

3. To create a new project, through CLI, go to folder of the new project and give command as `ng new-project-name`

Conclusion :

Learned to create an Angular application.

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