BLOG Design  
Final group project

Submission-date: 11/Dec/2020

# Overview

## Project Background and Description

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|  | We are planning to develop a website for writing and viewing Blogs. Following pages will be developed in the Blog:   * Registration Page * Sign In Page * Home page * Details page * Update page * Favourites page * User Details Page   Basically, the blog works this way- User can register and then log in to the website. User details will be captured and stored. Also, User can update his details. Once the user logs in to the website, He can view the list of Blogs available in the home page. If he clicks on the blog, then he will be navigated to the details page where all the details of the Blog are available like the Blog description, Author, Comments for that Blog and also the features like update, delete, comment. In Blog listing page, we have added a feature to add the blog to favorites. In the favourites page, all the blogs that are added to favourites by that particular user will be displayed. |

## Data Stored in MongoDB

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|  | We are storing the following Data in the Database:   * User Data   + It stores all the user details like his name, email, phone no. * Blog Data   + It Stores the Blog Details like the images related to that blog, Blog description, author, Comments. * Comments   + This is a sub document of Blog Schema which stores the details like who created the comment, when it is created and what the comment is. * Favourites   + We are storing the userid and the blogid in favourites model to relate the blogs of a particular user. |

## Data Interaction

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|  | We are implementing the following CRUD operations:   * Create   + Create is implemented for creating the user while registering to the website.   + To create new Blogs.   + Creating comments to the blogs * Read   + Read user information while logging in to check if the user is already registered.   + Reading the Blogs created in the Blog Listing and also the Blog Details. * Update   + Updating the user information.   + Updating the Blogs. * Delete   + Deleting the Blogs |

## Angular Role

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|  | We will be implementing all the UI related designs using Angular. Using the Angular function will make it easy to traverse through data and proper validations. As we know, it follows the MVC pattern which cleanly separates the View from Models, development will become very easy. And also, as it creates separate HTML templates for each Component, layout design becomes effortless and smooth. |

## Authentication and Authorization

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|  | We will implement authentication using **JSON Web Token (JWT)**, which is session less user management technique and hide the user identity from the end user. Some functionalities will require authorization, to manage that part will use **AuthGaurd** feature of Angular. |

# Team:

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