

Frontend Web Development with AngularJs

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| **Semester:** 1 |
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| **Duration:** 90 minutes |

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| **Curriculum Code:** |
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| **Total Marks:** 20 |

Practical Examination Paper

# Question 01: Create a Simple Timer Application (8 points)

**Task:** Develop a basic timer application that allows users to input a countdown time and start the timer. Ensure your application includes the following elements:

**Instructions:**

1. Creating the Timer Component:
   * Inside the **src** directory, create a new file named **timer.component.js**.
   * Define the Timer component in **timer.component.js** to manage timer functionality.
2. Styling the Timer Component:
   * Create a CSS file named **timer.component.css** within the **src** directory.
   * Implement styles in **timer.component.css** to enhance the appearance of your Timer component.
   * Customize the styles to align with your design preferences.
3. Integrating the Timer Component:
   * Open **app.component.js** located in the **src** directory.
   * Import the Timer component at the top of the file using **import TimerComponent from './timer.component';**.
   * Replace the existing HTML code within the **app.component.html** with **<timer-component></timer-component>** to incorporate the Timer component into your app.
4. Testing the Application:
   * Run the AngularJS development server.
   * Verify that your default web browser displays the Timer application.
   * Input a time value (in seconds) into the provided field and click **"Start"** to initiate the countdown.
   * Use the **"Stop"** button to pause the countdown, and **"Reset"** to return the timer to its initial state.

**Note:** Feel free to adjust the styles, functionality, and features of your Timer application according to your preferences and project specifications.

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# Question 02: Create a Simple ToDo List Application (12 points)

**Task:**

Develop a ToDo List application with the following features:

* Display a list of tasks that need to be done. (3 points)
* Allow users to add new tasks. (6 points)
* Enable users to mark tasks as completed. (1 point)
* Allow users to delete tasks. (2 points)

**Instructions:**

1. Creating the ToDo List Component:
   * Within the **src** directory, create a new file named **todo-list.component.js**.
   * Define the functionality for the ToDo List component in **todo-list.component.js** to manage tasks, including displaying, adding, marking as completed, and deleting tasks.
   * You can refer to the provided code or write your own implementation.
2. Styling the ToDo List Component (Optional):
   * Create a CSS file named **todo-list.component.css** within the **src** directory.
   * Implement styles in **todo-list.component.css** to enhance the appearance of your ToDo List component.
   * Customize the styles to align with your design preferences.
3. Integrating the ToDo List Component:
   * Open **app.component.js** located in the **src** directory.
   * Import the ToDo List component at the top of the file using **import TodoListComponent from './todo-list.component';**.
   * Replace the existing HTML code within the **app.component.html** with **<todo-list-component></todo-list-component>** to incorporate the ToDo List component into your app.
4. Testing the Application:
   * Run the AngularJS development server.
   * Verify that your default web browser displays the ToDo List application.
   * Add new tasks, mark them as completed, and delete tasks to ensure that the application functions as expected.

Note: Feel free to adjust the styles, functionality, and features of your ToDo List application according to your preferences and project specifications.

# Display a list of tasks.

# 

# Allow users to add new tasks.

# 

# Enable users to mark tasks as completed.

# 

# Allow users to delete tasks.

# 