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Creswave

Innovate . Build . Transform

Creswave Limited Angular Code Test

Thank you for your interest in the Front End Angular Developer position at Creswave. As a next step in our hiring process, we would like to assess your skills through a code test. Please find the details of the code test below:-

Instructions

1. Create a new repository on your GitHub account named
ANGULAR_CRESWAVE_CODE_TEST

2. Project Overview

You are tasked with building a task management application using Angular. The application should allow users to view tasks in a table format, add new tasks, edit existing tasks, and delete tasks. Use Angular Material for UI components and implement routing for navigating between different views.

3. Task Requirements

1. Task table View

- Display tasks in a table format using Angular Material's table component.
- Each row should display the task's title, description, status (complete/incomplete) and actions (edit/delete).

2. Task details/edit View

- Implement a view to display task details in a form.

- Allow editing of task details (title, description, status).
- Provide an option to mark a task as complete/incomplete.

3. Task Service

- Create a service (TaskService) to manage tasks.
- Implement methods for fetching tasks, adding a new task, updating a task, and deleting a task.
- Use HTTP requests (mocked or real) to communicate with a backend (simulated using JSON-server, for example).

4. Routing

- Set up routing to navigate between the task table view (/tasks) and task details/edit view (/tasks/:id).

5. Styling

- Use Angular Material for UI components (table, buttons, forms, etc.) or Tailwind css for styling where applicable.
- Apply responsive design principles.

Evaluation Criteria

Candidates will be evaluated based on the following criteria:-

1) Code Quality

- a) Angular best practices (components, services, modules).
- b) Consistent coding style and naming conventions.
- c) Error handling and validation.

2) Design Patterns

- a) Use of Angular services for data management.
- b) Separation of concerns (component logic vs. presentation).
- c) Observable patterns with RxJS for async operations.

3) Functionality

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- a) Complete implementation of CRUD operations (fetch, add, update, delete tasks).
- b) Proper navigation and routing between views.
- c) Responsive and intuitive user interface.
- d) Ensure responsive design (mobile-friendly)

Ensure your code is well-organized, maintainable, and follows best practices.

Once you have completed the task, push your changes to your repository.

Share the GitHub repository link with us via email at developers@creswave.co.ke with the subject **ANGULAR TASK SUBMISSION**.

Additional Information

- If you have any questions or need clarification on the requirements, feel free to reach out to us at recruitment@creswave.co.ke/0754001605

Deadline

Please submit your solution within 5 days.

We look forward to reviewing your code and discussing it further with you for the next step.