Full-stack Developer Exercise

Goal

To create a web application using .NET 5 (back-end) and Angular 2+ (front-end). The application will display a simple check-list of items. Angular will serve as the front-end of the application, and fetch data from the back-end. The exercise should take no more than 2 hours.

Please use this as an opportunity to show off your technical skill set and knowledge of common patterns and practices.

Note: You do not need to implement a database at this stage

Requirements

1. As a user, I want to view a list of tasks on a to-do list.

2. As a user, I want to add new tasks to the to-do list.

3. As a user, I want to mark specific tasks as completed.

4. As a user, I want to remove specific tasks from the to-do list.

5. Submit your code for review in a public GitHub repository, or in a zip file.

Bonus objectives:

1. As a user, I want to confirm removal of tasks if they have not been marked as completed.

2. As a user, I should not be able to add tasks if I have not filled in the form.

3. Implement front-and/or back-end unit tests.

This is an example of a front-end design, but feel free to come up with your own:

To Do List

New Task...   **Add Task**

- [ ] Lorem ipsum dolor sit amet, consectetuer adipiscing elit.   Remove
- [x] ~~Aliquam tincidunt mauris eu risus.~~   Remove
- [ ] Vestibulum auctor dapibus neque.   Remove
- [x] ~~Pellentesque habitant morbi tristique senectus et netus.~~   Remove
- [ ] Morbi in sem quis dui placerat ornare. Pellentesque odio nisi.   Remove