

Full-Stack Web Developer *Take-Home Assignment*

OVERVIEW

Welcome to **appnext**.

In the following sections you'll be presented with your development assignment.

*Your mission, should you choose to accept it, is to create a **single page app (SPA)** based **React** and **ASP.Net Core WebApi** using **SQLite**.*

Your mission for today

Use **Visual Studio / VS Code** to build a web application that introduces a “**Tasks Management Utility**”.

The app should present a list of users (can be located on the side menu) and a list of tasks assigned to a selected user (you can indicate a user using a **uid parameter** in the URL route).

The app should implement CRUD (add, update and remove) operations on **Users** and **Tasks**.

Suggested model:

```
public class User
{
    public int UserId { get; set; }
    public string Username { get; set; }
    public List<Task> Tasks { get; set; };
}

public class Task
{
    public int TaskId { get; set; }
    public string Title { get; set; }
    public string Description { get; set; }
    public int UserId { get; set; }
    public User User { get; set; }
}
```

Your solution should present a modular approach and a separation of concerns between modules.

Use styled components or a component library of your choice, to create an ***appealing user interface***.

Make proper use of *server side* and *client side routing*.

Use ***Dependency Injection*** if needed.

Note: If for any reason you have questions or need to consult with us about the task, feel free to contact our HR and ask for help, the time you wait will not be counted.

Finally

We hope you did well and that the time was fair.

Important!

Should you have not managed to provide a working code for any reason, or couldn't complete the entire requirements, ***it's completely OK***.

Please tell us why, and explain the steps you would take to complete the work.

To complete the mission please send the solution as an attached zip file by email **or** share it through any **git service** you choose.

Again, we value your time, and appreciate you for choosing to spend it with us!

We hope to see you further in the recruitment process :)

Thank you