

# Tech Genius Test Project

## Scenario:

You are contracted to create a HR Administration System to manage employee details. The system basically consists of two parts. The employees and their departments.

## Additional Details:

At this point the users are managed and added to the database with Entity Framework so no need to create a registration or forgot password section. You will only create the following UI sections:

- User Login
- Employees List View
- Employee Create / Edit View
- Departments List View
- Departments Create / Edit View

The basic layout for this view can be seen in the attached wireframes.

## Employees

Employees have the following fields:

- First Name
- Last Name
- Telephone Number
- Email Address
- Employee Manager
- Status

When an Employee is added, a user should automatically be created for that employee with the default password Password123#

A manager is also an employee and can manage multiple departments and multiple employees. Employees can also do work for multiple departments.

## Departments

Departments have the following fields:

- Name
- Status

## Roles

A super user has already been added for you. The details are:

Username: [hadmin@test.com](mailto:hadmin@test.com)

Password: TestPass1234

Employees can only see and edit their own data. Managers can see all employees in their departments and HR Administrators can see all employees and departments. Employees and managers cannot change the manager or the status of an employee. This can only be done by an HR Administrator.

## Grading

You will be graded on the parts you did complete. So even if your scenario does not work completely or something is missing, there is no need to worry. We will grade and consider the parts that have been completed.

## Best Practices

Ensure you always use best practices when coding to produce good quality, readable and maintainable code. Follow good principles and design patterns where necessary. Ensure that good security principles are always of the highest priority.