architech

Programming Development Exercise
For Software Developers Applying to Architech

OVERVIEW

The purpose of this exercise is to create a simple web based application. Please note that there is no right or wrong answer. Our interest is in seeing how you approach a simple development task. Your result will be reviewed by an Architech Practice Leader and will serve as the basis for further technical discussion(s).

TECHNICAL CONSTRAINTS

Please adhere to the following technical constraints:
- The application should be completed in C#
- It should be deployable on Internet Information Services (IIS)

OUR DEFINITION OF DONE

The requirement or user story is not complete until the following items have been met:
- Your implementation should meet the acceptance criteria
- Your response must include all source code.

DEVELOPMENT EXERCISE (USER STORY)

Please create a simple web based application allowing users to register an account with only a username and password.

Please verify that:
- The username field accepts alpha-numeric values only
- The username length is no less than 5 characters
- The username is not already registered
- The password has a minimum length of 8 characters and contains at least 1 number, 1 uppercase, and 1 lowercase character
- The user gets feedback when the username or the password doesn't meet the criteria
- Upon submission of a valid username and password, they are persisted to a database
- The user gets feedback that he/she has been registered

Please note within this exercise you do not need to address user authentication or authorization, and passwords may be stored in plain text.

We appreciate you affording the time to complete the above exercise. Your result will be evaluated within 48 hours of its submission. Human Resources will deliver feedback, along with an indication of next steps within a timely manner.