

UNiDAYS

Developer

Test

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1 Introduction

The technical test is designed to gather an understanding of your technical skills and general knowledge of good software design.

Areas of interest to us are:

- Use of testing (a combination of your testing and unit testing)
- Understanding of SOLID principles
- Knowledge of Source Control (use git)
- Attention to detail and communication skills (for example, ask questions if you need clarification on the specification)
- Understanding of security best practices

The problem description is deliberately vague. Ask questions if you require further information.

The expected result of the test is a working prototype of the web application (in source control such as GitHub or Bitbucket) that passes tests, builds and is useable (please include limitations / caveats in the readme.md).

2 Problem

Build a web application that allows a User to be added to an SQL Database. The application should be a single page, containing a form that submits to a server side endpoint.

The form should represent the Users details and should include:

- Email Address (mandatory)
- Password (mandatory)

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3 Technical Considerations

3.1 Technology Stack

The site should be a .NET web application based using (for example ASP.NET MVC or ASP.NET Core)

For persistence use standard ADO.NET, no ORM should be used. A copy of the SQL Scripts to create the database, table(s) on a local instance of SQL Server should be provided.

4 Other

Consider usability but don't concentrate on the styling / design.