

Take-Home Assignment

The Acme Widget Company employee activity squad has random fun events throughout the year. They have asked Technical Solutions to develop a simple Activity Sign Up web application.

Requirements:

- Web Interface
 - Activity sign up form:
 - collect the following fields (minimum)
 - First Name
 - Last Name
 - Email Address
 - Activity (*the activity person is signing up for*)
 - Comments
 - Interested Persons Listing
 - After subscription the user can view a list of all persons who have signed up
 - To encourage high participation and ease of use, a strong focus on User Experience is desired, including necessary validations
- No user login required, will be used internally only.
- Technical
 - Data to be persisted in a Data Store
 - Solutions preferred using team technology stack (<https://www.ocas.ca/careers/full-stack-developer>)
 - Example:
 - .NET Core, Entity Framework Core, Angular
 - .NET
 - Backend REST and .NET/Core, Entity Framework, Dapper
 - Frontend a SPA or ASP.NET Core (talk to an API either case please)
 - SQL Server
 - Please also include some unit tests for front/backend

Tech Solutions has decided to build a custom solution, and you, a full-stack developer, have been assigned this work.

This is your opportunity to showcase your software development skills and create a production worthy solution using modern tools and software patterns.

All coded assets must be stored in a GitHub repository. Completed solution will be assessed from Github.

Evaluation will be based on foundational knowledge. We understand candidates will only spend so much of their own time on this assignment. A 100% scaffolded solution is not what we'd like to see. Please show us your knowledge in the technology you have implemented. We value fully completed code patterns versus a fully functional/running application.