

# TASK FOR PRACTICAL EVALUATION

Dear Candidate,

Thank you for being part of the process to the Full Stack Engineer role at **Arab Leading Technology Company ALTC** herein the final step in our technical evaluation.

Please read the following requirements for a task required as a practical evaluation for your technical expertise and skills.

## Requirements:

1. Create a **two databases** as follows:
  - a. The first is a SQL Server database called "**clinicDb**" and adds a single column called "**records**" with these attributes [ID(Auto generated), PatientName, Symptoms, Diagnosis, TreatmentPlan, Date].
  - b. The second is a MongoDB database called "**clinicBackupDb**" and adds a single collection called "**records**" with the same attributes as the "**records**" table in the first database.
2. Create a **two APIs** as follows:
  - a. The first is a .NET Core API called "**clinicApi**" and adds a single endpoint to insert data into the "**records**" table in "**clinicDb**" database and into the "**records**" collection in "**clinicBackupDb**" at the same time (handle transactions and rollback if needed).
  - b. The second is a .NET Core API called "**clinicBackupApi**" and adds a single endpoint to read data from the "**records**" collection in "**clinicBackupDb**" database.
3. Create a **client application** to consume the two APIs as follows:
  - a. The application must have two pages or views, one for users to add data by consuming "**clinicApi**" and the other for users to read data by consuming "**clinicBackupApi**".
  - b. The client is built as a single application and can be made using MVC or MVVM with razor pages (MVVM is recommended and will be considered a bonus).
  - c. The client application can be made as a simple .net application or you can use any frontend framework (React, VueJs or Angular).

**Task Duration:** 3 Days

**Delivery:** Send the repository by email to specify a short meeting to discuss the implementation with you.

Best of Luck