

# Contrado Imaging India Pvt. Ltd.

## Web Application Developer Test

Here are the requirements for the code challenge you need to perform and send back to us for review.

Functional Requirements

1. The objective is to build an E-Commerce Product CRUD operation.
2. Use attached DB script (Contrado\_CodeChallenge\_Ecommerce\_V2.sql) to create Database populate sample master data in SQL server.
   1. Database Script will create “EcommerceDemo” database along with below 4 tables and populate the master data.
      1. Product
      2. ProductAttribute
      3. ProductAttributeLookup (Table & master data)
      4. ProductCategory (Table & master data)
3. You need to develop below screens
   1. Product list
      1. Include Pagination.
      2. Allow navigation to Product edit page for each product in list.
   2. Add/edit Product
      1. The screen allows create & update operations for Product.
      2. It should also allow create & update operations for Product’s Category specific attributes.
4. For brevity of the assignment we’ve already provided SQL script which to create database, required tables and pre-populate master data.

Technical Requirements

1. The architecture should be a multi-tiered service based.
2. Web APIs/Services should be used for all operations.
3. It is *not compulsory* to build front end using any JS framework like Angular or React. However, if you know and want to showcase your skills in that technology then we’ll be happy to evaluate. You’re free to choose .Net MVC as well.
4. Please provide compile-able and functioning code.
5. In case you’re not able to implement some functionality then exclusions should be clearly mentioned.
6. You may submit your code via Git or any other public platform or in a compressed file format.
7. Mention any specific configuration aspects clearly while submitting your code.