Dear Candidate,

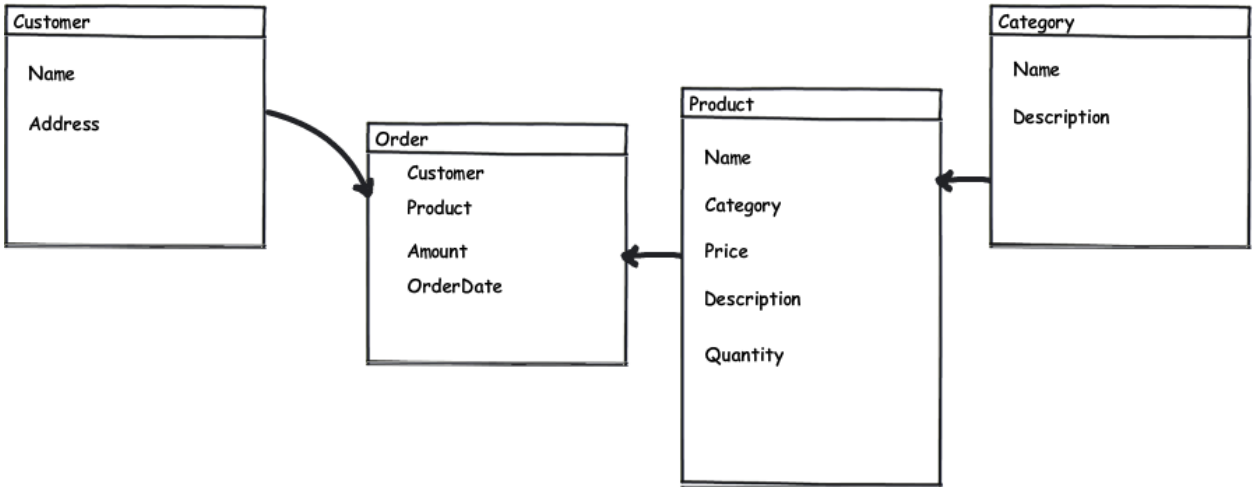
It's our pleasure to invite you to built a solution based on the scenario given below. Please use Visual Studio or any IDE at your choice. The source code result (including DB, photos, assets, etc.) should be zipped and return to our Technical Recruiter via email.

Though we do not limit the timing, we estimate that it may take you 4 hours maximum to complete all these 5 tasks. If any task is difficult for you, you can skip it and move to the next one (or provide a hard-code solution to continue with the next task). In every task, using code is preferred. In case you cannot do it by code, you can do it manually (for example create database and tables, config DB, insert records to DB manually).

Thank you and we look forward to review your solution!

Solution scenario

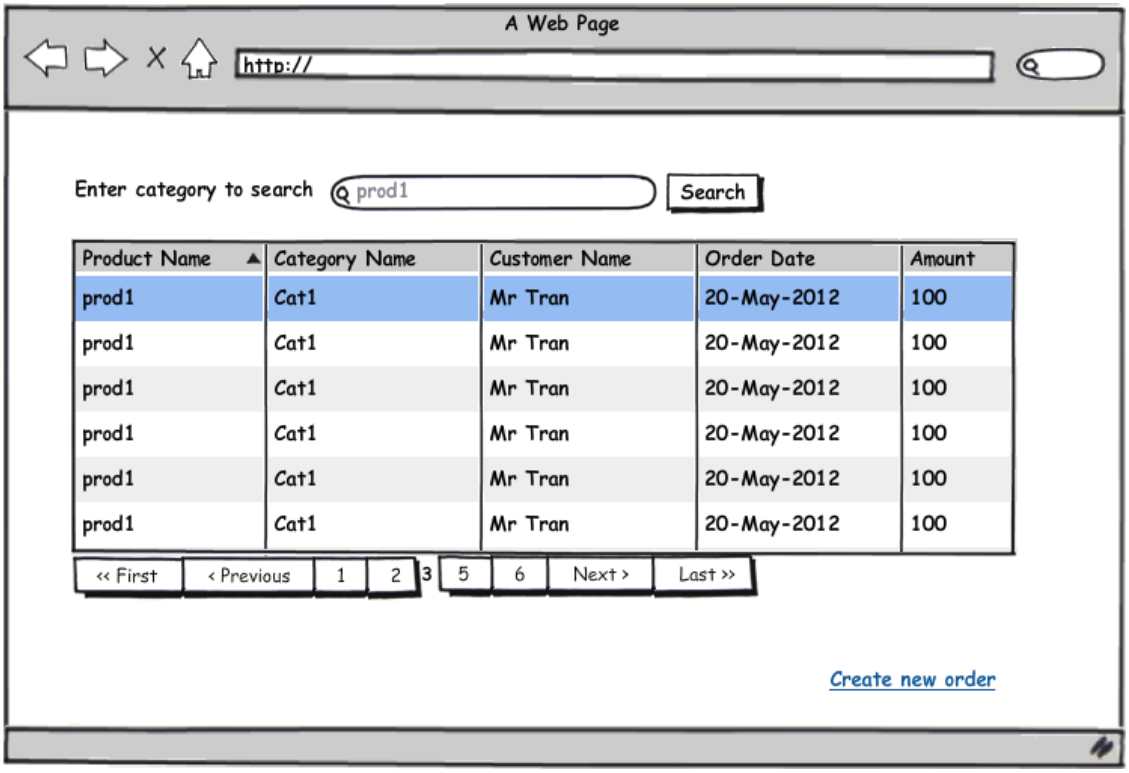
Suppose you have to develop an application using Microsoft asp.net (Core) MVC for a company named Ciber. Ciber want to have a site to manage products, customers, categories and orders, detail as below



Each time an order is created; the system will check if the amount of the order is greater than the quantity of the product and then cancel the creation, alert the user.

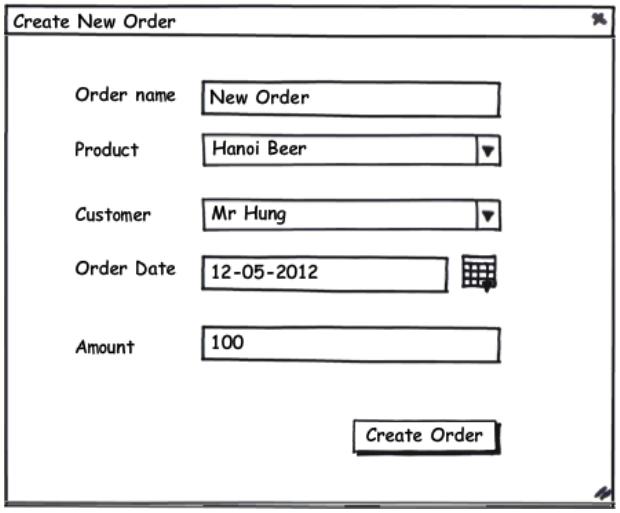
Your tasks

1. Create DB and tables (code first or db first) to represent the above data model. Set a relationship to RESTRICT DELETE for related tables
2. Create the "Manage Orders" page as below (Try do complete as much as you can within the given time, you don't have to finish everything)



This screen will allow users to list all Oder with Product Name, Customer Name, Category Name, Order Date, and Amount with paging. Users can sort the list by Product Name, Category Name, and Customer Name. Users can also use the search function and find all Order by category.

User can create a new Order by clicking the “Create New Order” link, and then a model dialog will be displayed as below (a new page will also be ok):



3. Authentication and authorization
   Make sure that anonymous users cannot access your site
4. Log and Error handling
   Make sure that all exceptions will be recorded and write to the Log file.
5. Unit test
   Create one Unit test for function “GetAllOrders”

----------*End of the assignment*----------