

Practical Test for Software Developer position

01. Question.

Develop a **Web Application** using **Next.js or React.js** to calculate customer discount against the invoice with the setoff time period. (Next.js Is Recommended)

02. Instructions

- i) Create Front end using React or **Next.js**. (requires a minimum **Node.js version of 16.8.0 or latest**)
- ii) Restore the Database backup that we have provided to MS SQL Server.
- iii) Design your interface as given in the wireframe.
- iv) As the Back-End, develop an **API** using **.Net Core API** (Target .Net Framework version 3.1). And use it to communicate with the database. Use the API for the calculations mentioned in SOP section.
- v) Attached Excel sheet Contains the database table structure for your reference.
- vi) ZIP your project file with your name and email to us before the given Dead Line.

03. Dead Line

2024-12-14 05.30 PM

04. SOP

- a. pick invoice
- b. pick set off date id from timeslot table
- c. pick invoice detail from inv number
- d. group by mat group and get quantity
- e. pick **value** from time slot & group
- f. $\text{discount} = \text{value} * \text{quantity}$ (group by material group)
- g. Display total discount against every invoice of the selected Customer.

05. Extra

- a. Be Creative - marks will be given for your creativeness.
- b. Optimize your code – Follow the standard coding procedures.
- c. Add a Bar graph or Pie Chart to display / Visualize Discount against Customer.