



## **Full Stack Developer Assignment**

Thank you for taking the time to do this assignment.

The assignment will help both of us determine whether you are the right fit for the Full Stack developer position.

You have up to 4 hours to complete this task. Even if you do not finish everything within the allocated time please send what you prepared at the end of the 4 hours.

### **Part 1 – Writing little code**

For this assignment you need to develop a simple application for managing customers as follows:

1. A screen that displays a list of customers that exist in the DB.  
The customer's name will be a link to the Customer Details page where you can view the customer or update it. This screen will also contain a button to create new customer. It is up to you to decide how the functionality of the create button works.
2. A Customer Details screen: Displays the following data – Customer number, name address and phone.  
There should be a Back button to return to the list and an update button that enables the fields to be updated (update mode).  
In update mode, there should be a cancel button (cancels the editing and returns to the original data) and a save button for saving in the DB.

You should use the following:

Client Side: Angular, design with bootstrap.

Server Side: Node + Nest (preferably) or Node + Express

DB – MongoDB (with mongoose).

1. Write clean code and use best practices and coding standards.
2. As this is a Home Assignment, **please share the code in Git and give us access.**
3. You will show us your solution in an online session that will be scheduled.



## **Part 2 – Additional Questions – what can we do in case of ...:**

In addition to writing the code, please think about the following questions (no need to implement, just to explain what needs to be done):

1. In the case of having 2 different types of users, users that need to read only and users that can also update, what needs to be done?
2. In the case of having millions of users entering the system – what are the potential implications and how would you deal with them?
3. You now have a new requirement to create links between customers that are related to each other and display those relationships in the Customer Detail page in the ui. What needs to be done to achieve this?

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By performing the assignment described above you acknowledge and agree that:

1. Grading of your submission will be performed by us as we deem fit and at our sole discretion;
2. Your submission, and the grade awarded to it by us, forms only a part of the parameters that we consider when determining your suitability for the position;
3. Performance of the assignment by you and/or our assessment of your submission and other parameters does not in any way constitute an offer of employment or oblige us to invite you to an interview or to consider you for or to offer you the position, all of which are at our sole discretion;
4. Your submission to the assignment described above, or any part thereof, (e.g., code, questions, comments, suggestions and the like), and all rights, including intellectual property rights in your submission shall belong exclusively to us, and by performing the assignment and making your submission to us you hereby irrevocably and unconditionally transfer and assign to us all such rights in your submission and waive any and all moral rights that you may have in respect thereto; and
5. For the purposes hereof "us", "we" and "our" means Fintech Next Ltd. (d/b/a The Floor).