# Frontend Tryout Exam

## Task 1:

You are working as a Junior Front-end Development Engineer in Microsoft department for Visual Experience and User Interfaces. You’ve been given a task to create HTML/CSS template for table showcase which will be used across all UI reporting tools within your department.

The client (department head) has not specified any concrete measurements of how big the width or height should be of the given table, however you should be smart enough to provide code that will be easily modified to add as many rows and columns as possible, while keeping the layout the same.

In the first example, you should have an output like the table picture below. All you need to do is to prototype your HTML/CSS code to create exactly the same output as in the given table.

**PLEASE DO NOT FOCUS ON BEST PRACTICES, YOU DON’T HAVE ENOUGH TIME.**



## Task 2:

You work as a JavaScript Developer in a company that heavily works with Enterprise systems. You’ve got a task to use jQuery for providing fully functional effects and user interaction on an html table shown below.



**NOTE: In this task you have BONUS tasks. Bonus tasks can be solved only if you solve other tasks first.**

2.1. You should create HML/CSS for the given HTML table.

2.2. You should create a form to enter data into the table by pressing the submit button.

2.3. When clicking at ‘read’ button, you should get all data from the given row and show them as ‘details’ bellow the table



2.4. When clicking on Delete button, the current row should hide (you can use jQuery effects/animations)

2.5. When clicking on Update button, the current row should become editable, and the update button should turn into a save button. Upon entering new data, pressing the save button should save the row.

2.6. BONUS 1: When clicking on any of the rows (not the buttons) color the clicked row with a blue background.

2.7. BONUS 2: Add a CLOSE button in details view, so that when it’s clicked, details view will get closed.

2.8. BONUS 3: Use better than ‘hide’ jQuery animation to hide the row when Delete button is clicked

2.9. BONUS 4: Validate that the email entered in the form is truly an email address. Validate that the telephone number is composed only from numbers.

Grading:

Task 1 is a warmup, something to get you up to speed with tables.

Task 2 is the real deal.

* Tasks 2.1 – 2.4 are intermediate tasks used to test your general knowledge of javascript
* Task 2.5 is a task with advanced difficulty, to test those who have truly shown 1337 skillz in the art of javascript.
* Bonus tasks are ordered from easiest to hardest and can be done only if the main tasks are finished. These tasks test your ability to fine tune your code and train your attention to detail.

# **Time available for solving this test – 120 minutes.**