**Verso Altima Test Solution**

* The .zip should first be extracted and then You will get the file named “Bruno Pavlinic Verso Altima Test Solution”. In that file, there are 2 folders and three files. The readMe.docx file is the file You are reading, the Test – FE.PDF file is the file (test) I have received via email to solve, and the third file is the index.html file, which is the web application or the test solution. The first folder is called “css” and it contains the style.css file which is the css for the index.html. Second folder is called “js”, which has the index.js file that is the javascript file of the index.html web application.
* index.html file contains the HTML for the web application, style.css contains little css (I just made the font bigger and headline centered), while index.js is the javascript file that contains all application logic used.
* In order to run the test solution, right-click on the index.html, select Open with, and select Google Chrome (open the application in web browser). You should be seeing headline and under the headline, the family tree structure.
* My JSON is hardcoded in the index.js file on the top (there is a comment that says: “//the string that is formated as JSON”, that line is actually the JSON).
* My application starts with following JSON - ["Adam Ivan", "Marko Stjepan", "Stjepan Adam", "Robert Stjepan", "Fran Ivan", "Leopold Luka"].
* If You would like to test the first(if a child has more than one parent, parents are outputted independently) of two border cases, replace the following JSON with this (replace it in index.js file, there is already a hardcoded JSON at line 2) - ["Adam Ivan", "Marko Stjepan", "Stjepan Adam", "Robert Stjepan", "Fran Ivan", "Leopold Luka", "Adam Luka"] – In this case, Adam has 2 parents, Ivan and Luka, and they are outputted independently.
* If You would like to test the second(cyclic relationship error) of two border cases, replace the following JSON with this(replace it in index.js file, there is already a hardcoded JSON at line 2) - ["Adam Ivan", "Marko Stjepan", "Stjepan Adam", "Robert Stjepan", "Fran Ivan", "Leopold Luka", "Ivan Stjepan"] – In this example, the cyclic error is visible when Ivan’s child is Adam, Adam’s child is Stjepan and Stjepan’s child is Ivan (this is cyclic relationship error, Stjepan’s child should not be Ivan)

Thank You for Your time and effort for evaluating my test!

Best regards,

Bruno Pavlinic