**DOKUZ EYLUL UNIVERSITY**

**ENGINEERING FACULTY**

**DEPARTMENT OF COMPUTER ENGINEERING**

**CME 2202 DATA ORGANIZATION AND MANAGEMENT REPORT**

**By**

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**EXPLANATION**

* Firstly we added the libraries which we will use in our code, then we implemented our struct from homework explanation file.
* Little and big endian are two ways of storing multibyte data-types (int, float, etc). In little endian machines, last byte of binary representation of the multibyte data-type is stored first. On the other hand, in big endian machines, first byte of binary representation of the multibyte data-type is stored first. We just made the "expenditure" field big endian because it is little we read from the file.
* If we start with main, we put argC and char\*\* argV for validation, we used code which we got from internet for it because we have not see how to compare or valid a file.
* We opened xml file and started to write as will be in homework file, one count integer added because the first row of dat file was explanation and in the end there were empty rows, also with count integer we added ids for xml file.
* And we thought to write on xml while read because we had to create object for every person in dat file, it would not be easy, so we decided to create one object and after read dat file and set our object we also wrote them in to xml file. Our while has (r1.income\_level! =0) because I said about empty lines at the end of dat file.
* We wrote all information about object to xml file with indentation levels. And for put ids we increased our count integer in the end of while loop.
* Continue of codes are about validation, we used library and also we used codes from internet because we were not know how to compare and validation about xml between psd files.

**SAMPLE SCREENSHOTS**

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Açıklama otomatik olarak oluşturuldu

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**PROBLEM ENCOUNTERED**

* First read with utf\_16, whatever we else try to do, we could not read dat file with utf 8 and 16 at same time. We could not do that.
* Second is about validation, one of us a mac user and other is windows user, we both tried to implement library but we had always problems. Lastly we saw examples with ubuntu and linux. We created project implement there tried for hours as well but it did not work in our project, we had so meaninglessly errors they will be in next pictures.

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Açıklama otomatik olarak oluşturuldu

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Açıklama otomatik olarak oluşturuldu

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