**UseCase Name – CPU**

**Requirement**:

CPU file parsing - Parse the input file and calculate Avg and Max cpu values.

Input file – Memeory.txt

**Instructions:**

1. Read the Input file Using File reader
2. Read the CPU values put into json.

E.g 1091 u0\_a214 10 -10 4.5G 153M 68M S 64.5 2.7 4:11.01 com.cardfree.an+

**64.5 is the cpu value.**

      Entry should be “1s”:64.5 for first value.

1. Calculate Average and Maximum values for CPU and put into json.
2. Make the precision to 2 digits for every value.
3. Display the final json into console.
4. Write the final json into file.

**Sample OutPut**:

[{"sampletransaction":{

"values":{

"1s":64.5,

"2s":48.3,

"3s":51.6,

"5s":46.6

"4s":48.2

},

"maxcpu":19.72,

"avgcpu":12.38

}

}

]