# Week 2 Lesson Plan

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| *Title* | ECIE 2207/ ECSE 3108/ ECII 2206/ ECSI 2206 |
| *Subject* | Advanced Visual Programming |
| *Author* | Felix Okoth |
| *Grade level* | 2rd Year |
| *Time duration* | 4 hours |
| *Overview* | Introduction to Vert.x microservice. |
| *Objective* | * Implement the micro-service that was created the previous week and test that it returns a value in the browser. * Cover. * Variables and variable scope.   + Class variable   + Local variable   + Instance variable   + Parameter variable * Access modifier   + Public   + Private   + Protected * Loops   + While   + do while   + for/foreach/parallel-for * Selection.   + switch * Maven commands such as   + mvn clean   + mvn compile   + mvn install   + mvn vertx:run |
| *Materials* | * Read   + Introduction\_to\_java\_programming\_by\_Y\_Daniel\_Liang\_10th\_edition.pdf Chapter-2.4 - 2.9.3, Chapter3,5 and 6   + guide-for-java-devs-october-2017.pdf Chapter 1 and 2 |
| *Activities and procedures* | 1. Implement the **start()** callback for Vert.x micro-service. 2. Practice codding    1. loops    2. selections |
| *Conclusions* | Practice, practice, practice! Next week is C.A.T-1 |
| *Extra credit* |  |