**Lab 1 – Web calculator**

Using the Divider sample demo as a basis do the following:

1. Create a CalculatorController.java class with the following:
   1. Base url is /calculator
   2. ADD operation
      1. Uses HTTP GET
      2. Sub-url /add
      3. Send 2 arguments using via URL
      4. Returns MediaType.TEXT\_PLAIN
   3. SUBTRACT operation
      1. Uses HTTP POST
      2. Sub-url /subtract
      3. Send 2 arguments using via Form
      4. Returns MediaType.TEXT\_PLAIN
   4. DIVIDE operation
      1. Uses HTTP GET
      2. Sub-url /divide
      3. Send 2 arguments using via URL
      4. Returns MediaType.TEXT\_PLAIN
   5. MULTIPLY operation
      1. Uses HTTP GET
      2. Sub-url /multiply
      3. Send 2 arguments using via URL
      4. Returns MediaType.TEXT\_PLAIN
   6. SQRT operation
      1. Uses HTTP GET
      2. Sub-url /sqrt
      3. Send 1 argument using via URL
      4. Returns MediaType.TEXT\_PLAIN
   7. All operations will delegate to a Calculator component
2. Create a CalculatorComponent
   1. Processes all the actual calc operations
      1. Takes all the data from the controller
      2. Simply return the result as a double
         1. Note: to do SQRT uses the Math.sqrt(double) method
3. Use Postman to test out your controller methods