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**E-COMMERCE**

420-411-VA

#### **ASSIGNMENT-1-PART-3**

For this assignment you will implement the Model View Controller (MVC) pattern, by refactoring the implementation for part-2 to introduce a Controller and autoloading the controller class.

For the parts that require code implementation, write the code in specific files and submit the files as a compressed file with this document.

This assignment is a group work.

You need to demo your submission in class.

1. Describe what MVC is:

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| **Model–view–controller** (**MVC**) is a software [architectural pattern](https://en.wikipedia.org/wiki/Architectural_pattern) commonly used for developing [user interfaces](https://en.wikipedia.org/wiki/User_interface) that divide the related program logic into three interconnected elements. This is done to separate internal representations of information from the ways information is presented to and accepted from the user. |

1. Describe how does the client specify which resource is the subject of the request:

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| He specifies the resource in the url and the controller file gets the resource from it using the $\_GET[‘resource’]. |

1. Describe how does the client specify which resource and which CRUD action needs to be done on the resource:

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| Basically, the client specifies the resource and the action in the url, then in the controller file we use the $\_GET to get the resource from the url and also in the index.php to get the action. |

1. Refactor the code written in part-2 to implement the listing and update pages using the MVC pattern:
   1. Implement a controller for only the entity that you have selected:
      * Products
      * Users
      * Orders
   2. With your teammate(s) implement the “index.php” file that autoloads the controllers depending on the request.
      * Merge the implementations together into one implementation
      * Implement the controllers autoloading
   3. Test your implementation

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