**CA2 (35%)**

**Software Development 3**

**Hand Out Date: Tuesday 12th November 2019**

**Hand In Date: Friday 6th December 2019**

This assignment must be completed in teams of two people unless you have permission to work on an individual assignment.

You are required to **extend** the shopping cart application that you developed in your first assignment using the Django Framework. This website should incorporate functionality based on the new topics covered from week 7 onwards. There is also a significant amount of marks going for the inclusion of functionality which builds on the topics covered in class & extends the code provided in the sample programs.

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| **Component** | **Marks** |
| * Web site structure & Web Page design – use of Bootstrap 4 & external CSS file | 15% |
| * Use of the Django session framework to manage the shopping cart * Extend the application with new model classes to incorporate 1-1, 1-Many and Many to Many mappings * Incorporation of application logic based on these mappings | 35% |
| * Value Added – this includes features or functionality added to the project that was not covered in class | 35% |
| * Use of git for source version control – marks will be awarded for consistent use of git over the 4 weeks by **each** team member in terms of commit, merge, pull requests etc. * Use of virtualenv | 15% |

**Upload Details**

* One upload to **Git** is required per team
* Each team must demo their system using **virtualenv** during the labs on Friday 6th December
* Each team member must participate in the demo:
  + demonstrate the functionality developed
  + answer any questions on the code
  + individual marks may be awarded