CS303: Software Engineering

**Project Deliverable 5: Revised Component Interface and Prototype 1**

**Due Date:** 1630Hrs, November 04, 2019 **Group Name:** Engineers

**Group Members:**

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**Part 1:**

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| **Rights** | **Status** |
| 1. A received Order object has a collection of correctly populated Dish objects (Order Placement Module) containing information regarding cooking time of dishes, quantity and time at which the order was taken. | Agreed after discussion with peer group |
| 1. A received Specialized Order object has a collection of correctly populated Dish objects (Specialized Order Module) containing information regarding cooking time of dishes, quantity and time at which the order was taken and whom from hall and kitchen manager placed the order. | Agreed after discussion with peer group |
| 1. A received Chef object (Admin and Inventory Management) has details of chef like name, id, phone number and specialty. | Agreed after discussion with peer group |
| 1. A received Kitchen Manager object (Admin and Inventory Management) has details of kitchen manager like name, and id. | Agreed after discussion with peer group |
| **Responsibilities:** |  |
| 1. Break orders into dishes. 2. Distribute dishes according to threshold of cook’s queue’s threshold and specialty. 3. Display queues to chefs. 4. Show kitchen manager details of chefs like their specialty. 5. Allow kitchen manager to change distribution of orders i.e. move a dish to another position in the same queue or to another queue. 6. Change status of a dish when it enters a queue from “ordered” to “in queue” 7. Change status of a dish from “in queue” to “being cooked” when it leaves the queue. 8. Allow kitchen manager to change status of a dish from “being cooked” to “cooked” when it has been cooked. 9. Inform hall manager when a dish has been cooked about the dish cooked and the order it is a part of. 10. Inform hall manager, kitchen manager and customer about time remaining in the preparation of the order. |  |