

## Assignment #2: System Modelling

In the previous homework, you have created the user requirement document including use case diagrams. The system is also given below

System:

*Martı Lounge is a famous restaurant chain, and the head office of Martı Lounge wants to get and automated order management system in which the branch can digitally update the available menu whose images, ingredients, list, and prices are defined by the head office. The customer of the branch can either give the order using the web page that can be launched via QRCode and track the status of their order or give the order via the waiter. Chefs in the branches can see the orders on the screen placed in kitchen and can update the status of the order using a web panel. Please consider allocation the staff.*

In this homework, you are expected to make system modeling by providing the following UML diagrams.

- a. Process Model (Fig. 5.2.)
- b. Use case diagrams (You may update your use- cases that you have submitted at HW1)
- c. Sequence diagrams for two major activities defined in b.
- d. Class Diagrams (Ch. 5.3.1, Fig. 7.6)

Deliverables: A single pdf file should be submitted.

Submission deadline: 27<sup>th</sup> of Dec: 23:59