



King AbdulAziz University

Faculty of Computing and Information Technology

Advanced Programming - CPIT 252

HW 1

Due Date: 10/3/2022

Overview

For this homework, you are required to identify the appropriate design patterns for a given scenario and the write the code that simulates the scenario. Necessary design pattern components should be included; however, problem-domain specifics can be simulated by writing to standard output.

Scenario

You were contacted by a fast-food restaurant to build a system that models the meal creation process of their kitchen. For every request received by the costumer according to what is available in the menu, a meal is prepared by first creating each individual ingredient and then assembling them to create a full meal. Identify an appropriate creational design pattern for this problem and implement your design.

The Extra Mile

Create a single logger to be used by all the chefs to log every meal created.