

H4CK S4LFORD – 2018

Challenge One

Recommended Language

Java - using BlueJ or Eclipse

C# - Visual Studio

SQL – no need to implement

Specification

Salford university are considering running a food ordering service for students who struggle to cook or have no cooking skills. They want users to be able to create a shopping list of meals they want, order said meals and print a receipt of orders.

You must be able to create an application that can do all these requirements, and anything else you feel would be appropriate in this sort of system. You must include a database plan, including an Entity Relationship diagram, but you do not need to connect any code to said database. The tables must include Meals, Customers as well as any other tables you think appropriate.

Judges' Comments

On the surface this task may seem a little daunting. However, upon closer analysis there is very little different here then there is in the later workshops of Semester 2 of programming 2. What is important to remember is that you do not have to implement any SQL into your main code. As long as you have an indication as to what your database will look like and how it will interact that is great!

We are looking for a basis for a system not a working one. We will be most pleased with submissions that make appropriate use of object oriented programming as well as appropriate use of SQL and smart decision making on tuple names and types.