

Practical Test

The details of the Food of an organization are stored in the database in the tabular format. The name of the Table is **tblFoods**. The table stored the data of the Foods with the following structure.

Database : **FoodManagement**

Field Name	Type	Validation
id	Char(8) (Primary Key)	Not null, format: F-XXX
name	Varchar(50)	Not empty
description	Varchar(500)	Not empty
price	Float	Numeric
cookingTime	int	int
status	Bit	Bit
createDate	Datetime	Datetime

Create a Java web application, which can be used to manage the Food catalog. The application initially displays a menu with the following options:

1. Create Database(**1 point if at least 1 of the below functions is completed**)
2. Add new Food.
 - a. Status has default value is true. (not show on the insert screen)
 - b. The current time is automatically filled to createDate(**0.5**)
 - c. Data must validate before insert to database. (**1**)
 - d. Insert new Food. (**1**)
3. Search Food by from **CookingTime to CookingTime** and **food status is available**. If the application finds a match:
 - The data grid of Product is shown with no, name, price, cookingTime, description, createDate.(**1,5**)
 - The list Food available will be shown in data grid with “Delete” link in each row. Delete food is mean update status= false. After activity is succeeded, the data grid of the page must be refreshed(**2**)
 - Update food: user can update food’s information. After activity is succeeded, the data grid of the page must be refreshed(**2**)
 - If adding search condition: food status: combo box(Deleted/ Available): (**1**)

3.

Must:

- Using MVC2 model
- Following java coding conventions: function name, OOP style, variable names,...
- - 0.5 point for each mistake.