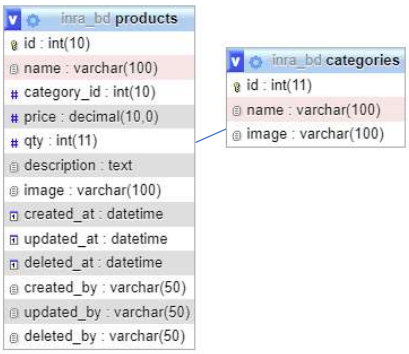
Advanced Programming with .NET

Assignment 1

In this lab assignment you will implement an inventory management system and improvise the system. Download the zip file. You will find all the resources inside folder.

Backend Application (.Net Framework WEB API)

- 4 tier application
  - Webapi
  - BLL
  - BEL
  - DAL
- Database Schema
  - Skip the image column for products and categories



- Proper API for CRUD categories and products

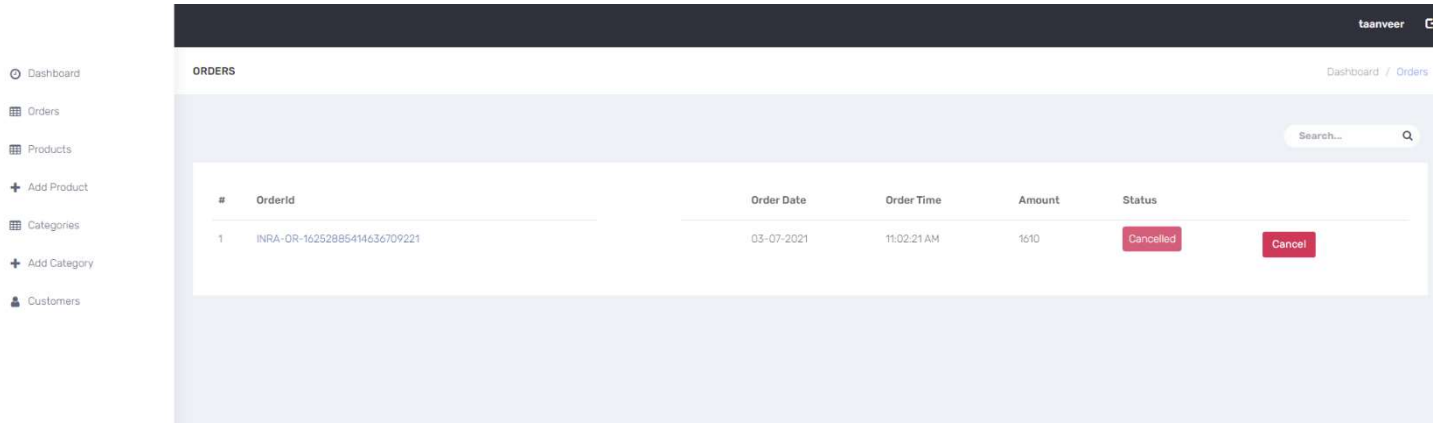
Frontend Application (AngularJS based application using the given template)

- Complete allproducts, addproduct, allcategories, addcategory pages
- allproducts, addproduct is designed for you do the other 2
- No validation, No update & delete.

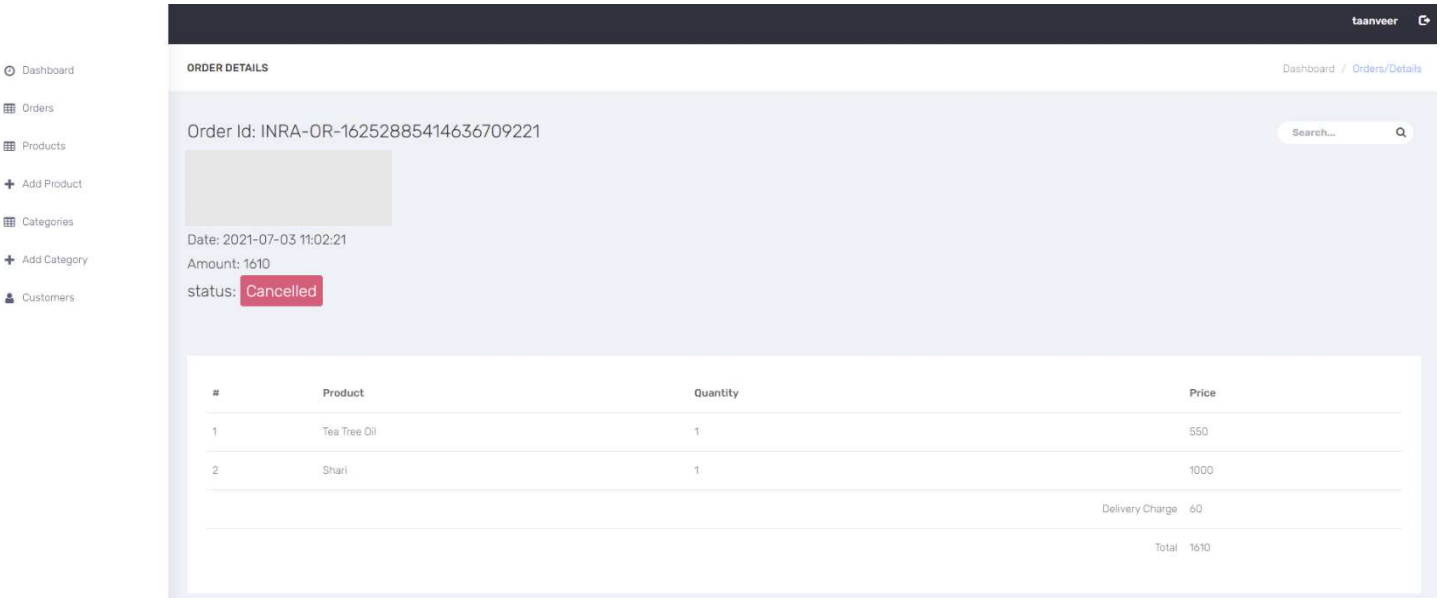
Assignment 2

After completing assignment 1 now your task is to design your system to accept product orders.

- Make a page that will show all products from database (simply you can code HTML without any design or u can use any template)
- Anybody can make order. No need to track who is ordering. No login
- Order will be placed to database with order details
- From the admin panel (the given template) orders should be monitored
    - Orders → Show all order (with total amount of orders)



    - If user click on Order → Order details (products price and qty, price)



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- For dynamic value passing to URL in angular do the following
  - ```
    .when("/students/:id", {
        templateUrl : "views/pages/students.html",
        controller: 'students'
    })
    ```
  - Receive it in controller like below
  - ```
    app.controller("students",function($scope,$http,ajax,$routeParams){
        var id = $routeParams.id;
    ```
  - Inject **$routeParams** service in controller and you are all set to go.

- Create necessary tables and db relationships, API to build this feature

Submission

- Github
- Deadline 01.08.2021 ; 11:59 PM