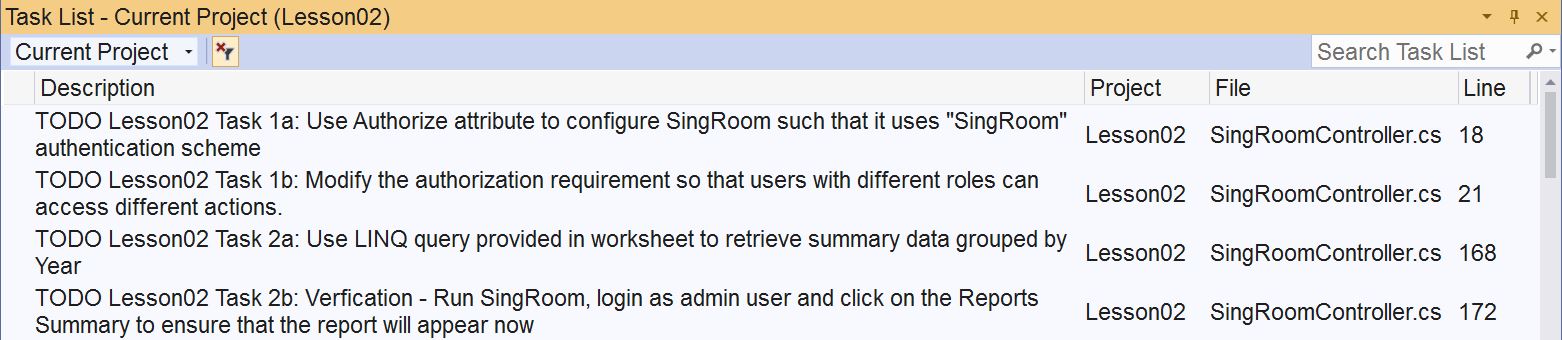
Lesson 02 – LINQ 2

**Using Task List**

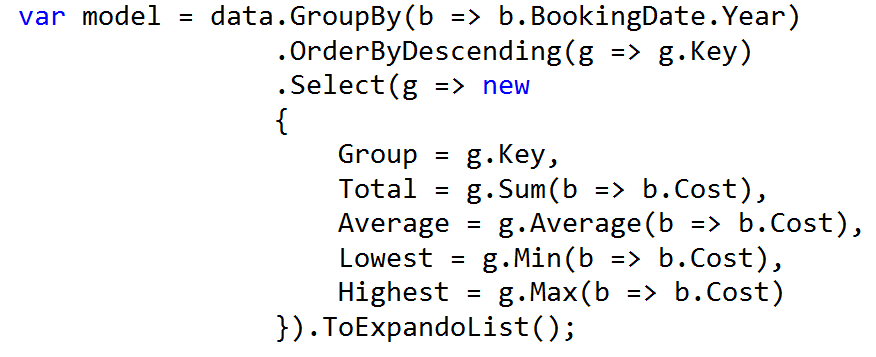
1. Open **Task List** window from the menu **VIEW**, **Task List**.

Use the **Filter** function in the Project heading to display only the Task for Lesson02 (top left drop down).

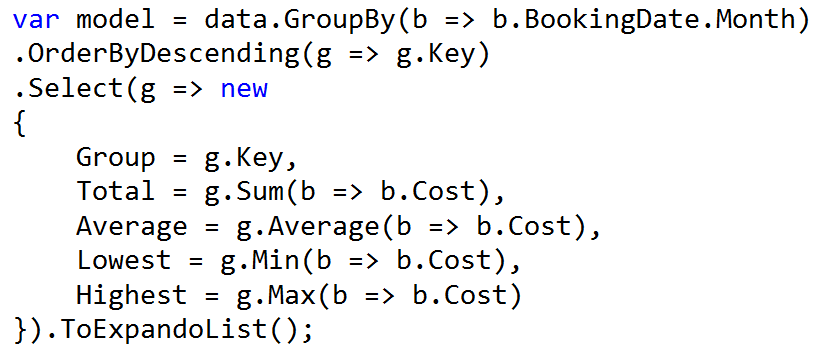


1. **Activity 1:** Perform Task 1a to Task 1e to add in the role-base security to SingRoom web app. Certain tasks are inside **\_SingRoomLayout.cshtml**.
2. To test your task, refer to **SRUser** table for available user accounts. By default, [carl@yahoo.com](mailto:carl@yahoo.com) is the only admin user for SingRoom. The password is **password.**
3. Examine in details the LINQ query provided in **Views\LINQ\Demo.cshtml**. Your lecturer will demonstrate this view with some explanations. Please pay attention to it.
4. **Activity 2:** Perform Task 2 to complete the Sales Summary Report. You need to open **SalesSummary.cshtml** to see tasks 2g and 2h. LINQ queries for task 2a and 2c are provided below:

Task 2a LINQ query



Task 2c LINQ query



1. Use the following screenshots to verify your result for activity 2 :
   * + 1. Overall sales summary grouped by year



* + - 1. Sales summary for a given year grouped by month



* + - 1. Sales summary for a given month grouped by day



# Solving the Problem

1. You are suggested to complete the solution in the following order:
   * + 1. Role-based Security
          1. Refer to **Task 1** on how to implement this feature
          2. You need to create a another account controller for the Pet Hotel web app
          3. You can use “PetHotel” as the authentication scheme
       2. Sales Summary
          1. Refer to **Task 2** on how to implement this feature
       3. Reports
          1. Refer to **LINQ Demo** and **Task 2** on how to implement this feature
       4. Update and Delete functionalities

# Testing Your Solution

1. Find out who are the users of this web app by examining the file **DBSetup.txt**. Which table should you look at?

-PHUser

1. Complete the following table for three users of the web app.

|  |  |  |  |
| --- | --- | --- | --- |
| **Email** | **Name** | **Password** | **Role** |
| [bernard@yahoo.com](mailto:bernard@yahoo.com) | Bernard | password | Admin |
| [ina@yahoo.com](mailto:ina@yahoo.com) | Ina | password | User |
| [jaime@yahoo.com](mailto:jaime@yahoo.com) | Jaime | password | User |

1. Test Cases:
   * + 1. Login as the admin user and other normal users to ensure all admin resources are secure.

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence

Graphical user interface, text, application

Description automatically generated

* + - 1. Sales Summary and Reports output match the screenshots in appendix.

Graphical user interface

Description automatically generated

Graphical user interface

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

* + - 1. Update and delete functionalies are working well.

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Provide necessary screenshots here to prove you have successfully tested your web app.

*— End of Worksheet —*