MVC2&Java Annotation- Assignments

Session 1

Duration (5 Hours)

***Assumption/Guidelines -***

* *Employee Information in a thread-safe Cache (Map).*
* *Employee ID is Unique*
* *Employee Cache Map is not persisted. It is initialized during the application start-up with 5 Sample Employees*
* *For any edit, or registration flow, same map is modified.*
* *Employee Cache Map should be accessed/updated using a helper/util class only. Suggestive methods:*
  + *EmployeeModel getEmployeeForId(int id)*
  + *List<EmployeeModel> getAllEmployees()*
  + *void updateEmployee(EmployeeModel e)*
  + *void addEmployee(EmployeeModel e)*

**Assignment 1 (2.5 Hours)**

Create a simple web application using MVC2 Design Pattern for the following pages -

* Landing Page
  + Should have a short description about Metacube Software Pvt. Ltd.
  + Should have a link to Registration Page (Empty Link - to be updated as part of Assignment 3)
  + Should have a link to Employee List Page
* Employee List Page
  + Should list out all the registered employees (Name, Email and Employee ID)
  + Should have link to "View Details" for each employee (Empty Link - to be updated as part of Assignment 2)
  + Should have link to "Edit" for each employee (Empty Link - to be updated as part of Assignment 3)

**Assignment 2 (1 Hour)**

Add following page to the above site -

* Employee Details Page
  + Should list out following details for the selected Employee -
    - Name
    - Email
    - Age
    - Employee ID
    - Date of Registration
  + Should have link to Landing Page
  + Should have link to Registration Page (Empty Link - to be updated as part of Assignment 3)

**Assignment 3 (1.5 Hours)**

Add following page to above site -

* Employee Registration Page / Employee Edit Info Page (Common page should be used)
  + Should have a Registration / Edit form with following fields (In case of Edit, values should be pre-filled)-
    - * Name
      * Email
      * Age
      * Employee ID
  + Upon successful registration/edit, should redirect to Employee List Page