

Lab : Layered Architecture

Refer the case study and create an application for that requirement by creating packages and classes as given below:

Case Study:

1. Employee Medical Insurance Scheme:

- By default, all employees in an organization will be assigned with a medical insurance scheme based on the salary range and designation of the employee. Refer the below given table to find the eligible insurance scheme specific to an employee.

Salary	Designation	Insurance scheme
>5000 and < 20000	System Associate	Scheme C
>=20000 and <40000	Programmer	Scheme B
>=40000	Manager	Scheme A
<5000	Clerk	No Scheme

a) **com.ibm.eis.bean**

In this package, create “Employee” class with different attributes such as id, name, salary, designation, insuranceScheme.

b) **com.ibm.eis.service**

This package will contain code for services offered in Employee Insurance System. The service class will have one EmployeeService Interface and its corresponding implementation class.

c) **com.ibm.eis.ui**

This package will contain code for getting input from user, produce expected output to the user and invoke services offered by the system.

The services offered by this application currently are:

- i) Get employee details from user.
- ii) Find the insurance scheme for an employee based on salary and designation.
- iii) Display all the details of an employee.

Use overrides annotation for the overridden methods available in a derived class of an interface.