**Important Instruction:**

1. Please read the document thoroughly before you code.
2. Import the given skeleton code into your Eclipse.
3. Refer/Use the solution file only when you are not able to complete the case study within given time.

A leading retail shop is looking out solution providers to build an IT system which can help them to run their business online. The company is providing registration form to enter user details before user starts shopping online.

**Skeleton File for Development:**

Import the below attached skeleton code into your eclipse project and implement the required functionalities



**Requirements:**

You are required to develop a Java application which can provide the following service.

**Requirement 1:** WritevalidateUserDetails method to validate user input. Refer below technical specification to get method name, input and out parameter details.

Use Java assert to check if Credit Card is of length 16 digits. Value of status should be printed using logger at the end of the method irrespective of any exception has occurred.

**Requirement 2:** Create new class for user defined Exception **EShopException** which has to be a *Checked* exception. This exception needs to be thrown when below given validation fails.

Validations to be done:

1. All fields are mandatory.
2. loginId and password should not be equal.

If any of the above two validations fails, the system should throw a user defined exception “**EShopException**” along with appropriate error message.

## Technical Specifications:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ClassName** | **Method Name** | **Input Parameters** | **Sample Input** | **Output Parameters** |
| EShoppingManager | validateUserDetails | **String loginId** – Login id of the user. | abcxyz | String status -  SUCCESS - In case all validation pass  FAILURE – In case any validation fails. |
| **String password** – Password entered by the user | Eshop123 |
| **String creditCardNum –** Credit card number | 1234567890123456 |

**Note: Ensure that all the Java Coding Standards are followed.**

To **enable assertions by default** perform the following steps:

1. From the menu bar, select Run -> Run Configurations....
2. Select Arguments tab.
3. Add -ea to VM arguments.
4. Click Apply.