**Java8 Assignment # 1**

**Objective:**

1. Regular Expressions
2. Date Time API
3. Exception Handling

**Scenario:**

“Tarangini Digital Services” is a DTH operator. They are looking at developing an application to let their subscribers manage their subscriptions.

**Assignment:**

1. Develop a VO class SubscriberDetailsVO to hold the below details

|  |  |
| --- | --- |
| **Field** | **Constraints** |
| Subscriber Id | Cannot be negative or Zero |
| First name | Cannot be blank.  Must be of 4 to 25 characters in length  Should not have any characters other than space and alphabet(both lower and capital). |
| Last name | Can be blank.  Must be of 4 to 25 characters in length  Should not have any characters other than space and alphabet (both lower and capital). |
| Packages | A list of non-repetitive package names |
| Gender | Should be either Gent/Lady |
| Date of registration | Must be an older or present date. |
| BillingTerm | Annual/Monthly |

1. Develop a user defined exception called InvalidSubscriberDetailsException, an interface and a class that implements it that suites the above validation requirements.
2. The created user defined must be thrown in the event of any validation being violated with appropriate validation error message.
3. Develop an application that can read data (using Scanner(System.in)) and validate the data using the above implemented validation class and handle these exceptions using try..catch statement.