**Spring Boot Assignment # 2**

**Objective:**

1. Spring REST
2. Exception Handling
3. Services and Repository injections

**Scenario:**

A non-profit organization “Green Protect” is involved in conducting programs related to safeguarding nature and provide aid to organic cultivation and cattle breading and other nature protective missions. This being an organization having a lot number of volunteers from different parts of life and different parts of world it getting difficult to maintain and track their volunteer contacts and activities.

**Assignment:**

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| **Field** | **Constraints** |
| Volunteer 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). |
| Number of dedicated hours | Should be a number between 1 to 8. |
| Gender | Should be either Gent/Lady |
| Date of registration | Must be an older or present date. |
| Skills | A list of non-repetitive strings |
| Interests | A list of non-repetitive strings |

1. Develop a user defined exception called InvalidVolunteerException, an interface and a class that implements it that suites the below 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 spring boot rest api that can performs all the CRUD operations .
   1. Relevant http methods are expected to be used.
   2. Relevant Http status and exception handling must be delt with.