**RestApiPerson Overview:**

This project uses MVC architecture , embedded database Apache Derby and Hibernate frame work for persistence.

**Endpoint:** Person

**Links and Appropriate Methods:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Link** | **Description** | **Example** |
| Get | http://localhost:8080/RestApiPerson/RegisterPerson | Register/Create a new person: This page lists textbox for various attributes of Person class. | http://localhost:8080/RestApiPerson/RegisterPerson |
| Get | http://localhost:8080/RestApiPerson/ViewPersons | View all existing person: This page returns all person record in database in JSON format | http://localhost:8080/RestApiPerson/ViewPersons |
| Get | http://localhost:8080/RestApiPerson/ViewPerson/{id} | View by id: This page return requested details corresponding to one specific person in JSON format | http://localhost:8080/RestApiPerson/ViewPerson/{id} |
| Put | http://localhost:8080/RestApiPerson/UpdatePerson?personId={id}&personName={name}&contactNumber={contactnumber}&emailID={emailID} &personCity={city}&personState={state} | Update by Id: This URL allows user to update records corresponding to user id. | http://localhost:8080/RestApiPerson/UpdatePerson?personId=1&personName=Ajaykishan&contactNumber=(289)-092-0000&emailID=asdf@gmail.com&personCity=Chicago&personState=Illinois |
| Delete | http://localhost:8080/RestApiPerson/DeletePerson/{id} | Delete by id: The URL deletes person by id. | http://localhost:8080/RestApiPerson/DeletePerson/1 |

**Link Validation**

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Link** | **Output** | **Tested Using:** |
| Get | http://localhost:8080/RestApiPerson/RegisterPerson | JSP Page with textboxes for user input. | Browser |
| Get | http://localhost:8080/RestApiPerson/ViewPersons | Records in JSON format | Browser |
| Get | http://localhost:8080/RestApiPerson/ViewPerson/1 | If 1 is present a JSP page that displays details corresponding to id in JSON format | Postman |
| If 1 is not present, a custom JSP page that display id is not present |
| Put | http://localhost:8080/RestApiPerson/UpdatePerson?personId=1&personName=Ajaykishan&contactNumber=(289)-092-0000&emailID=asdf@gmail.com&personCity=Chicago&personState=Illinois | If 1 is present a JSP page that displays details corresponding to id in JSON format | Postman |
| If less parameters are given, custom error page displaying the request is bad |
| If more parameters are given, a custom JSP page displaying unknown error and requesting to refer documentation |
| Delete | http://localhost:8080/RestApiPerson/DeletePerson/1 | If 1 is present the person is deleted | Postman |
| If 1 is not present, a custom JSP page that display id is not present |

Input Validation in User Registration Page:

|  |  |
| --- | --- |
| Attribute | Validity |
| Person Name | Size of valid name should range from 1 to 30 and should not contain number. |
| Person Email | Valid email should be in xxxx@xxx.com format |
| Person Contact Number | Valid number should be (xxx)-xxx-xxxx format |
| Person City | Size of valid city should range from 1 to 15 and should not contain any numbers |
| Person State | Size of valid state should range from 1 to 10 and should not contain any numbers |