This is a web service application for company registration, update, delete, detail and list.

Technologies are as below:

1. JAVA
2. MySQL
3. Spring MVC Framework
4. Hibernate

Please follow the below instruction to use this application:

1. **Insert or Update company:**

Execute the below URL using cURL or HTTP:

http://example.com/zapp/company/add?id=0&name=ZCOM&address=Banasree&city=Dhaka&country=BD&phone=01712150289&email=&director=zahid,raid

Input Detail:

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Data type | Require | Detail |
| id | int | Yes | id=0 for insert new Company  id=existing company id for update company |
| name | String | Yes | Name of the company will go here.  Min length=2  Max length=255 |
| address | String | Yes | Address of the company will go here. |
| city | String | Yes | City of the company will go here.  Min length=2  Max length=100 |
| city | String | Yes | City of the company will go here.  Min length=2  Max length=100 |
| country | String | Yes | Country of the company will go here.  Min length=2  Max length=100 |
| phone | String | No | Phone number of the company will go here. |
| email | Email | No | Email number of the company will go here. |
| director | String | No | Director name are added here by comma (,) separator. |

Response will as below:

{"code":0,"message":" Operation Success","detail":null}

{"code":1,"message":"Input Error","detail":null}

{"code":3,"message":"ID does not exist","detail":null}

|  |  |  |  |
| --- | --- | --- | --- |
| code | message | detail | description |
| 0 | Operation Success | null | When operation successful |
| 1 | Input Error | null | When there is an error on input value |
| 3 | ID does not exist | null | For update when given ID does not exist to database |

1. **List of companies:**

Execute the below URL using cURL or HTTP:

http://example.com/zapp/company

Response will as below:

[{"id":28,"name":"ZCOM","address":"Banasree","city":"Dhaka","country":"BD","email":"","phone":"01712150289","director":null},{"id":29,"name":"ZCOM","address":"Banasree","city":"Dhaka","country":"BD","email":"","phone":"01712150289","director":"mithila,raid"},{"id":30,"name":"ZCOM","address":"Banasree","city":"Dhaka","country":"BD","email":"","phone":"01712150289","director":"zahid,raid"}]

1. **Detail of company:**

Execute the below URL using cURL or HTTP:

http://example.com/zapp/detail/company\_id

Example: http://example.com/zapp/detail/10

Response will as below:

{"code":4,"message":"ID exist","detail":[{"id":30,"name":"ZCOM","address":"Banasree","city":"Dhaka","country":"BD","email":"","phone":"01712150289","director":"zahid,raid"}]}

{"code":3,"message":"ID does not exist","detail":null}

|  |  |  |  |
| --- | --- | --- | --- |
| code | message | detail | description |
| 4 | Company Detail | Company JSON Data | When given ID exist to database |
| 3 | ID does not exist | null | When given ID does not exist to database |

1. **Delete company:**

Execute the below URL using cURL or HTTP:

http://example.com/zapp/remove/company\_id

Example: http://example.com/zapp/remove/10

Response will as below:

{"code":2,"message":"Delete Success","detail":null}

{"code":3,"message":"ID does not exist","detail":null}

|  |  |  |  |
| --- | --- | --- | --- |
| code | message | detail | description |
| 2 | Delete Success | null | When given ID exist to database |
| 3 | ID does not exist | null | When given ID does not exist to database |

Error Table:

|  |  |
| --- | --- |
| Error Code | Error Message |
| 0 | Operation Success |
| 1 | Input Error |
| 2 | Delete Success |
| 3 | ID does not exist |
| 4 | Company Detail |

**Setup Guide:**

Step 1:

Extract the companyapp.zip file.

Step 2:

Execute the company.sql from companyapp.

Step 3:

Place the companyapp folder to your server root.

Step 4:

Add jar files from companyapp/src/main/webapp/WEB-INF/lib folder.

Step 5:

Change database information from companyapp/src/main/webapp/WEB-INF/spring/appServlet/ servlet-context.xml

<beans:bean id=*"dataSource"* class=*"org.apache.commons.dbcp.BasicDataSource"*

destroy-method=*"close"*>

<beans:property name=*"driverClassName"* value=*"com.mysql.jdbc.Driver"* />

<beans:property name=*"url"*

value=*"jdbc:mysql://localhost:3306/company"* /> <!-- company is the database name-->

<beans:property name=*"username"* value=*"root"* /> <!-- root is username of the database name-->

<beans:property name=*"password"* value=*"xxxxx"* /> <!-- *xxxxx* is password of the database name-->

</beans:bean>

Step 6:

To test try like below:

http://youdomain.com/zapp/

You will get a basic UI of form here.