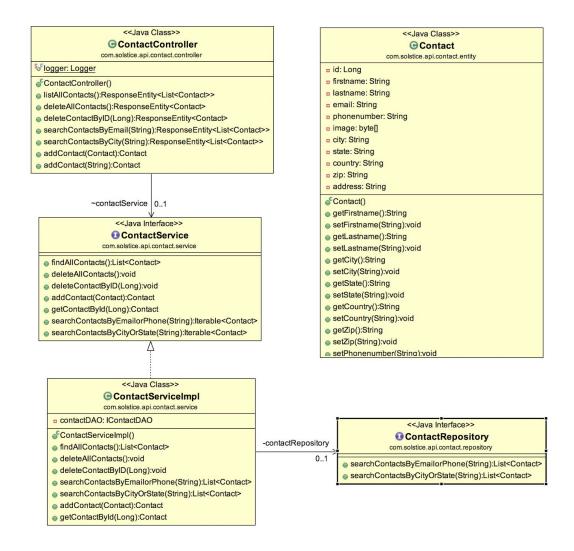
REST API WITH SPRING BOOT

Design Diagram



EASY SETUP INSTRUCTIONS

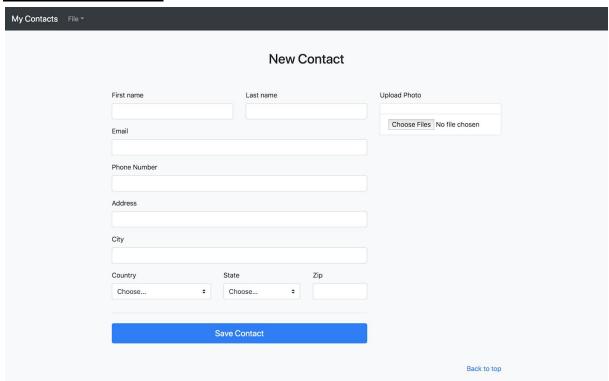
- Create Spring Initializer Project at https://start.spring.io/
- Provide Group and Artifact as com.solstice and contact
- Unzip the artifact and create existing Maven Project in Eclipse
- Copy the src content from the source Zip code and pom.xml
- Modify the application properties for database credentials and access
- Change the ddl property to create/none appropriately
- The Server will be run on localhost:8080 while running the maven build
- The welcoming html shows some of the api functionalities
- Alternatively run mvn package and generate the jar file which can be easily deployable in AWS

UNIT TEST CASE LOCATIONS

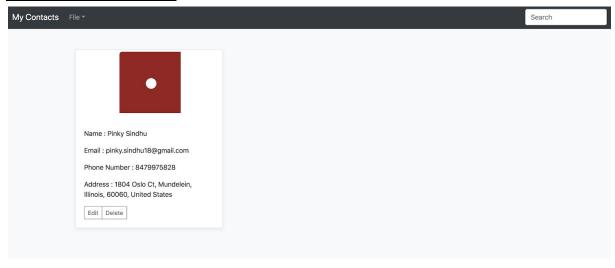
src/test/java

UI SCREENS

Add/Edit Contact Screen



List/Delete/Search Screen



Page created with Bootstrap Back to top

REST API ENDPOINTS

Content-Type = application/json

1. To find the contact by ID

http://192.168.0.105:8080/api/contact/{id}

Request: GET: http://192.168.0.105:8080/contact/1

2. To find the list of all Contacts http://192.168.0.105:8080/api/list/

Request: GET: http://192.168.0.105:8080/api/list/

Response

[{"id":4,"firstname":"Jane","lastname":"Doe","email":"jane.doe@gmail.com","phonenumber":" 12345678","image":"123","city":"Chicago","state":"Illinois","country":"United States","zip":"54321","address":"128 Lans Lane"}]

3. To Delete all Contacts

http://192.168.0.105:8080/api/delete

Request: DELETE: http://192.168.0.105:8080/api/delete

4. To delete contact by Id

http://192.168.0.105:8080/api/delete/{id}

Request: GET: http://192.168.0.105:8080/api/delete/1

5. To search contact by Phone Number/Email http://192.168.0.105:8080/api/search/{value}

Request: GET: http://192.168.0.105:8080/api/contact/pinky@email.com

6. To retrieve contact by State or City

http://192.168.0.105:8080/api/retrieve/{value}

Request: GET: http://192.168.0.105:8080/api/contact/Illinois

7. To Save a Contact

http://192.168.0.105:8080/api/

```
Request : {
"id":4,
"firstname":"Jane",
```

```
"lastname":"Doe",
"email":"jane.doe@gmail.com",
"phonenumber":"12345678",
"image":<base64 data>,
"city":"Chicago",
"state":"Illinois",
"country":"United States",
"zip":"54321",
"address":"128 Lans Lane"
}
```