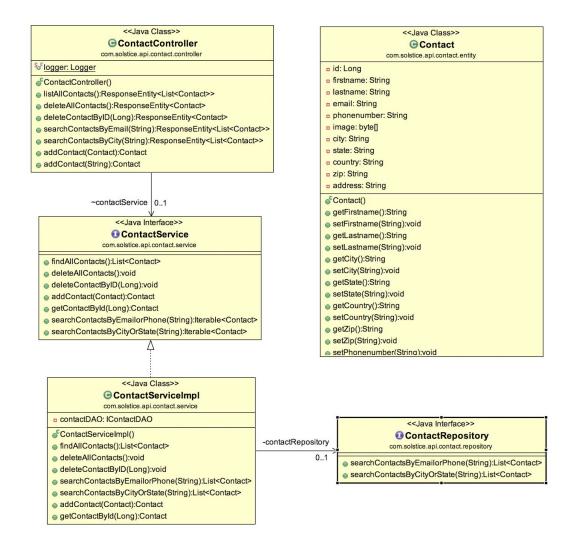
REST API WITH SPRING BOOT

Design Diagram



EASY SETUP INSTRUCTIONS

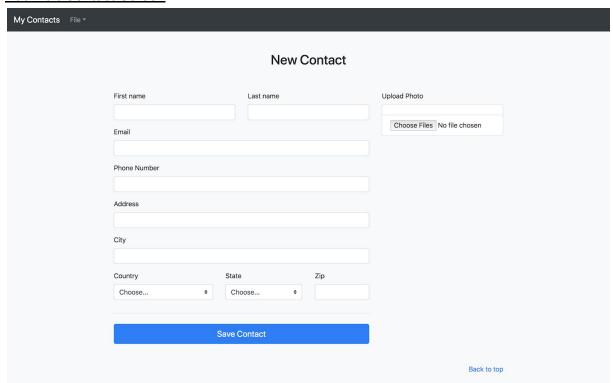
- Create Spring Initializer Project at https://start.spring.io/
- Provide Group and Artifact as com.solstice and contact
- Unzip the artifact and create existing Maven Project in Eclipse
- Copy the src content from the source Zip code and pom.xml
- Modify the application properties for database credentials and access
- 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

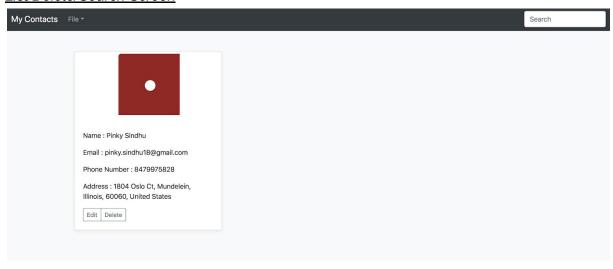
src/test/java

UI SCREENS

Add/Edit Contact Screen



List/Delete/Search Screen



Page created with Bootstrap

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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":"Pinky","lastname":"Sindhu","email":"pinky.sindhu18@gmail.com","phone number":"8479975828","image":"123","city":"Mundelein","state":"Illinois","country":"United States","zip":"60060","address":"1804 Oslo Ct"}]

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":"Pinky",
"lastname":"Sindhu",
```

```
"email":"pinky.sindhu18@gmail.com",
"phonenumber":"8479975828",
"image":<base64 data>,
"city":"Mundelein",
"state":"Illinois",
"country":"United States",
"zip":"60060",
"address":"1804 Oslo Ct"
}
```