

# 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

My Contacts

File ▾

New Contact

First name

Last name

Upload Photo

Choose Files

No file chosen

Email

Phone Number

Address

City

Country

Choose...

State

Choose...

Zip

Save Contact

[Back to top](#)

### List/Delete/Search Screen

My Contacts

File ▾

Search

Name : Pinky Sindhu  
Email : pinky.sindhu18@gmail.com  
Phone Number : 8479975828  
Address : 1804 Oslo Ct, Mundelein,  
Illinois, 60060, United States  

EditDelete

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":"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"  
}
```