Contact Management Web Application

REQUIREMENT:

Dhiraj is having memory loss problem so always he is forgetting his friends contact details. Can you help Alex by developing a 'Phone Book' application where he can store his friends' contact details.

Phone Book application should contain below functionalities
1) Create Contact
2) Display All Contacts
3) Edit and Update Contact Details
4) Delete Contact

TECHNOLOGIES TO BE USED:

1) Spring Boot, Spring Data
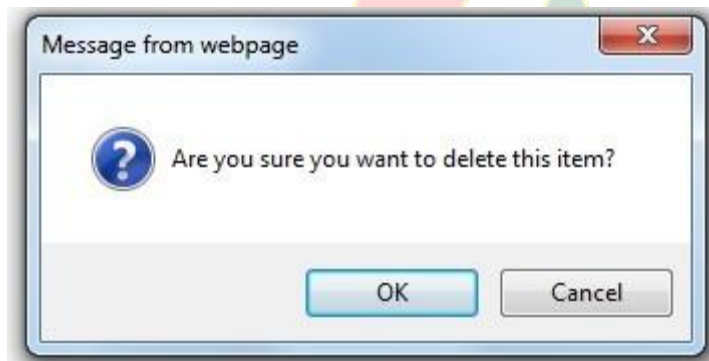2) Embedded Database (H2), Embedded Server (Tomcat)
3) Angular

STORY DETAILS

PhoneBook Web Application				
Contact Info ①	**+Add New Contact** ⑩	**All Contacts**	⑧	⑨
Name : [ ]	S.No	Name	Email	Phno	Action
Email: [ ] ⑤	1	John	john@gmail.com	9897878789	Edit Delete
Phno : [ ]	2	Smith	smith@gmail.com	8783973871	Edit Delete
② [Submit] ⑥	3	Charles	charles@in.com	8976557579	Edit Delete ④ ⑦
View All Contacts ③				
— contact.jsp —	— viewContacts.jsp —			

Database Table Structure

CONTACT_DETAILS	
COLUMN NAME	**DATATYPE**
CONTACT_ID (PK)	NUMBER(10)
CONTACT_NAME	VARCHAR2(50)
CONTACT_EMAIL	VARCHAR2(50)
CONTACT_NUMBER	NUMBER(10)

STORY DESCRIPTION

- **Note: In the above diagram, circled numbers represent functionality. Circled numbers functionality described below.**

1. When we hit application URL (Context-Path) in browser 'Contact Info' form should be displayed which is contat.java.

2. When 'Submit' button is clicked, form data should be stored into Database and success message should be displayed as 'Contact Saved Successfully' in 'Contact Info' form.

(The above Submit click is for new record)

3. When 'View All Contacts', hyperlink is clicked, all saved Contact records should be displayed in viewContacts.java table.

4. When 'Edit' icon is clicked, that particular contact details should be displayed in 'Contact Info' form in editable model.

5. Once contact is displayed in editable mode, we should be able to modify Contact Data.

6. When 'Submit' button is clicked Contact data should be updated in Database and success message should be displayed as 'Contact Updated Successfully' in 'Contact Info' form.

(The above submit click is for existing record).

7. When 'Delete' hyperlink is clicked 'Delete Confirmation Popup' should be displayed like below.

8. When 'Ok' button is clicked in above popup, Contact record should be deleted from Database and success message should be displayed as 'Contact Deleted Successfully' in same page.

9. After Contact deleted, latest Contact Records should be displayed in table (Deleted Records should not be displayed).

10. When '+Add New Contact' hyperlink is clicked 'Contact Info Form' should be displayed.

===HAPPY CODING===