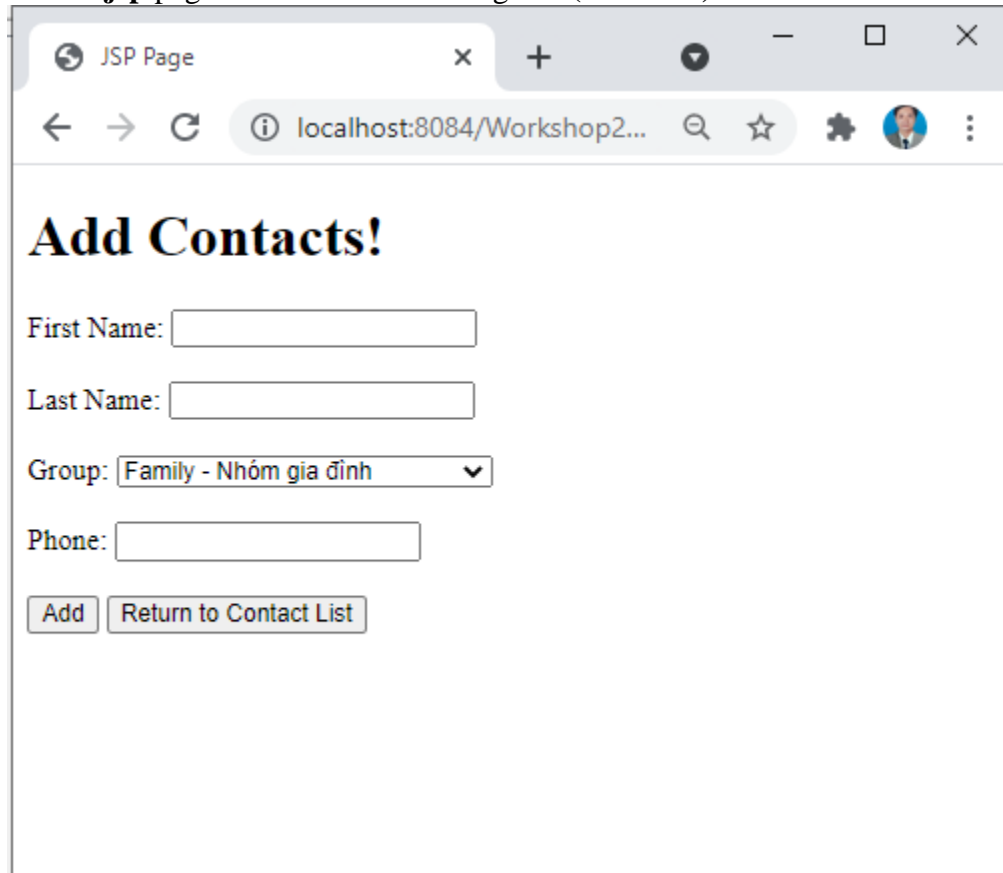


IMPORTANT – before you start doing your solution, MUST do the following steps:

1. Create your MS SQL database named **workshop2_Se1502**.
2. Set the home page/default for your project as **AddContact.jsp** page.

Questions:

Create a **AddContact.jsp** page with GUI as below figures **(0.5 Point)**:



The screenshot shows a web browser window with the title 'JSP Page'. The address bar shows 'localhost:8084/Workshop2...'. The main content area displays a form titled 'Add Contacts!'. The form contains the following elements:

- First Name:
- Last Name:
- Group: (dropdown menu)
- Phone:
- Buttons: and

Requirements:

- Value for Phone Number must be numerical **(0.25 Point)**

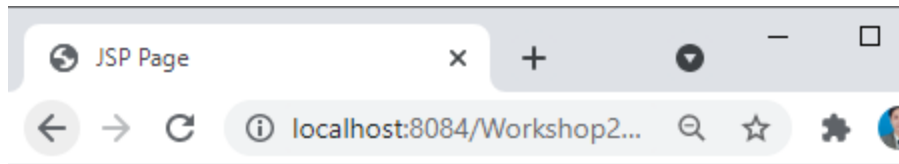
When the users click on **Add** button, validate the data on the input form as rules:

- Require data for all text fields **(0.5 Point - 0.25 Point for each error message)**.

When the validation is correct.

Add information on input form to **Contact** table **(1 Point)** and browse to **ListContacts.jsp** page **(0.25 Point)**.

When users click on the **“Return To Contact List”** button, browse to **ListContacts.jsp** page **(0.25 Point)** which will be shown as below.



List Of Contacts!

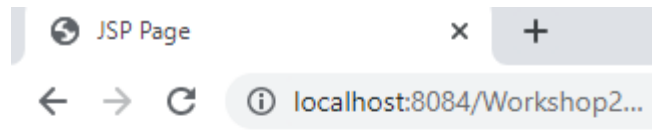
ID	First Name	Last Name	Group	Phone Number	Operations
1	Võ	Đức Hoàng	Colleague	0906477283	Remove Edit
2	Lý	Quỳnh Trân	Friend	0187965412	Remove Edit
3	Nguyễn	Vân Lành	Friend	0954654987	Remove Edit
4	Lê	Nam Trân	Family	0987456789	Remove Edit
6	Lê	Manh Thành	Colleague	0987456681	Remove Edit
12	Nguyễn	Thị Ngọc	Family	0974989552	Remove Edit
Add Contact		List Group			

The table must have the same columns with one in above figures.

Requirements:

- Output all Contacts in Contact table to **ListContacts.jsp** as above table (**1 Point**).
- Calculate and display the number of Contacts of result (**0.25 Point**).
- Values for Groups should be corresponding to the Name of Group in Database (**0.25 Point**).

When users click on button “List Group”, browse to **ListGroups.jsp** which will output information of all groups (**1 Point**),



List Of Groups!

ID	Group Name	Description
4	Family	Nhóm gia đình
5	Colleague	Nhóm đồng nghiệp
6	Friend	Nhóm bạn bè
Add Group		List Contact

When users click on **List Contact**, browse to **ListContacts.jsp** page (**0.25 Point**).

When users click on **Add Group**, browse to **AddGroup.jsp** which will be used to add a new group into the database(**0.25 Point**)

Add a Group

Name:

Description:

Add

Return To Group List

Requirements:

- Add information on input form to **Group** table (1 Point) and browse to **ListGroups.jsp** page (0.25 Point).
- When users click on the “Return To Group List” button, browse to **ListGroups.jsp** page (0.25 Point) which will be shown as below.

On the “Contact List” page, when the users click on the link **Remove**, the corresponding record will be removed from the database, and the list will be refreshed to reflect the result. (0.25 Point)

When users click on the link **Edit**, browse to **EditContact.jsp** page (0.25 Point)

The screenshot shows a web browser window with the title 'JSP Page'. The address bar displays 'localhost:8084/Workshop2...'. The main content area features a form titled 'Add Contacts!'. The form includes the following fields and controls:

- ID Contact:
- First Name:
- Last Name:
- Group: (with a dropdown arrow)
- Phone:
- Buttons: and

Requirements:

- Value for Phone Number must be numerical (0.25 Point).

- Save the edited information into the database (**1 Point**)
- When user click on “Return To Contact List”, browse **ListContacts.jsp** page. (**0.25 Point**)