

A yellow square containing the letters 'JS' in a bold, black, sans-serif font.

**JS**

# JavaScript: The Game

Lab 4

# Rules

- 1 If you have Syntax Error, Solve it yourself. You are able to do that.
- 2 Mentors exist to guide you *to the best way to solve the problem* **not** *to solve the problem or your syntax errors*.
- 3 Steps of Solving the problem:
  - Think.
  - Think again.
  - Use Pen and Papers to convert your thoughts into Procedures.
  - Convert your previous pseudo code into JavaScript Code using its syntax rules.
  - Don't be afraid of syntax errors. It is easy to solve. Read it clearly and you will solve it.
  - Check the output of every step you do and then check them all.
- 4 The most important rule is to enjoy challenging yourself and don't stress your mind by the headache of assignments delivery's deadlines.



Create a contact List App that will make the user able to list his contacts and add, remove or modify any contact he want. You can add search feature to the list.

The App Members will be:

- **contactList** Object.
- **contact** Object

And The **contactListApp** Global Object



## Contact List: Contact Object

Build The Contact Object which have the following properties:

- **id**: generate a unique id when instantiate the Object and make it not writable.
- **name**: If name input like that (Ahmed Moawad) → (A.Moawad)
- **email**: validation on email is optional.
- **phone**: must be contain 11 digits only.



## Contact List: ContactList Object

Build The Contact List Object which have the following properties:

- **name**: List Name.
- **contacts**: array of contacts.

and have the following methods:

- **addContact**(contact): add the given contact to the contacts array.
- **removeContact**( id ): remove the contact that has the given id from the contacts array.
- **editContact** (id, updateObj): update the contact info. that has the given id with the given new values.
- **getContact** (id): return the Content Object that have the given id.
- **getAllContacts** (): return the contacts array.



## Contact List: Add Contact

Name

Ahmed

Email

[am@gmail.com](mailto:am@gmail.com)

Phone

01009922993

submit



NAME	EMAIL	PHONE	ACTIONS

Contact List: Edit Contact

Name

Ahmed

Email



[am@gmail.com](mailto:am@gmail.com)

Phone

01009922993

submit



NAME	EMAIL	PHONE	ACTIONS
Ahmed	<a href="mailto:am@gmail.com">am@gmail.com</a>	01009922993	 

Contact List: Edit Contact



Name

Email

Phone

submit



NAME	EMAIL	PHONE	ACTIONS
Ahmed	<a href="mailto:am@gmail.com">am@gmail.com</a>		 





## Contact List: Delete Contact

Name

Email

Phone

submit









NAME	ACTIONS
Ahmed	<div>Are you sure you want to delete "Ahmed" ?</div> <div><div>Yes</div><div>No</div></div>

ACTIONS



Contact List: Enhancement



	NAME	EMAIL	PHONE	ACTIONS	
	Ahmed	<a href="mailto:am@gmail.com">am@gmail.com</a>	01009922993		
	Ahmed	<a href="mailto:am@gmail.com">am@gmail.com</a>	01009922993		
	Ahmed	<a href="mailto:am@gmail.com">am@gmail.com</a>	01009922993		



Contact List: Enhancement

Name

Email

Phone

submit



<input type="checkbox"/>	NAME	EMAIL	PHONE	ACTIONS	
<input type="checkbox"/>	Ahmed	<a href="mailto:am@gmail.com">am@gmail.com</a>	01009922993		
<input type="checkbox"/>	Ahmed	<a href="mailto:am@gmail.com">am@gmail.com</a>	01009922993		
<input type="checkbox"/>	Ahmed	<a href="mailto:am@gmail.com">am@gmail.com</a>	01009922993		





Thor\* badge

\* For the one who find the best and shortest way to solve the problems

