# JS Advanced: Exam 23 July 2017

Problems for exam preparation for the [“JavaScript Advanced” course @ SoftUni](https://softuni.bg/courses/javascript-advanced). Submit your solutions in the SoftUni judge system at <https://judge.softuni.bg/Contests/699/>.

# Problem 4. Contacts Builder (Object Interacting with DOM)

Write a JS **class** that generates a **contact** info box. You will receive a person's:

* first name
* last name
* phone
* email

Compose the markup for the contact box, attach all the needed events and when a **render** function is called, **append** the newly created element to the document.

A contact info box is **composed** of:

* first name
* last name
* phone
* email (all strings)
* and a property which indicates if the contact is online or not

Clicking a button on the box **toggles** the visibility of the person's contact information (phone and email). *See the examples for more details.*

The **constructor** of your class needs to take **four** string arguments - first name, last name, phone, email. Additionally, the class should also contain the following functionality:

* Property online – Boolean value, initially set to **false**
* Function render(id)– takes one string argument, **generates the HTML element** and **appends** it to the element with ID equal to the argument

When the value of the online property is changed, the corresponding HTML should be updated – if it’s set to true, add the class "**online**" to the div with class "**title**" (containing the name). If it’s false, remove the class "**online**".

A contact info box should have the following HTML structure:

|  |
| --- |
| Contact |
| <**article**>  <**div class="title"**>{firstName lastName}<**button**>**&#8505;**</**button**></**div**>  <**div class="info"**>  <**span**>**&phone;** {phone}</**span**>  <**span**>**&#9993;** {email}</**span**>  </**div**>  </**article**> |

When the box is initialliy creted, the div with class "**info**" must be **hidden**. Clicking the button **toggles its visibility**.

You can use the following HTML skeleton to test your functionality:

|  |
| --- |
| contacts.html |
| <!DOCTYPE **html**>  <**html**>  <**head**>  <**meta charset="UTF-8"**>  <**title**>Contacts Builder</**title**>  <**style**>  **article** { **background**: **#EEE**; **padding**: 1**px**; **width**: 250**px**; **margin**: 1**px**; }  .**title** { **background**: **#DDD**; **padding**: 5**px**; **font-weight**: **bold**; }  .**title button** { **float**: **right** }  .**info** { **margin**: 5**px**; }  .**info span** { **display**: **block**; }  .**online** { **background**: **#9E9**; }  </**style**>  <**script src="https://code.jquery.com/jquery-3.1.1.min.js"**></**script**>  </**head**>  <**body**>  <**div id="main"**></**div**>  </**body**>  </**html**> |

### Examples

Your solution can be **tested** using the following code:

|  |
| --- |
| Sample JavaScript |
| let contacts = [  **new** Contact(**"Ivan"**, **"Ivanov"**, **"0888 123 456"**, **"i.ivanov@gmail.com"**),  **new** Contact(**"Maria"**, **"Petrova"**, **"0899 987 654"**, **"mar4eto@abv.bg"**),  **new** Contact(**"Jordan"**, **"Kirov"**, **"0988 456 789"**, **"jordk@gmail.com"**)  ];  contacts.forEach(c => c.render(**'main'**));  *// After 1 second, change the online status to true*  setTimeout(() => contacts[1].**online** = **true**, 2000); |





