

Homework/Lab Assignment 10 – Working with the DOM and Event-handling

Implement code solutions for the following and be sure to use "use strict":

1. Download the attached hcmc-website.zip file, which contains an implementation of web application for a fictional hospital named, Holy Cross Medical Center (See sample screenshot pasted below). Unzip the file, load/open the webapp code in your IDE or Code Editor tool and implement the following features:
 - a. Using JavaScript and the DOM API, implement code to register the 3 sample patients' data listed below. Your code should append/display the data in a table at the bottom of the page, when the "Register Patient" button is clicked and the form is submitted, as shown in the sample screenshot further below. The user should be able to register many patients' data and see them listed on the webpage.

Sample Patients' Data for submission to test/demonstrate your web application:

Patient 1:

Patient ID Number: EP-001-000001,
First Name: Ana,
Middle Initial(s): J,
Last Name: Smith,
Date of birth: 5 January 1945
Department: Ear, Nose and Throat,
Is out-patient?: No

Patient 2:

Patient ID Number: P-001-000002,
First Name: Bob,
Middle Initial(s): K,
Last Name: Jones,
Date of birth: 4 May 1985
Department: Cardiology,
Is out-patient: Yes

Patient 3:

Patient ID Number: EP-001-000003,
First Name: Carlos,
Middle Initial(s): A,
Last Name: Hernandez,
Date of birth: 13 March 1957
Department: Cardiology,
Is out-patient: Yes

- b. Implement code such that when the user selects/checks the checkbox labelled, "Show Elderly Patients only", the data table will display only data for the Elderly Patients. And when the user deselects/unchecks the checkbox labelled, "Show Elderly Patients only", the data table will re-display all the Patients data again. **Note:** The criterion for determining which Patient is considered an Elderly Patient is given as follows:

An Elderly Patient is any patient who is of age, 65 or older.

- c. Implement code such that when the use selects/checks the checkbox labelled, "Show Out-Patients only", the data table will display only data for the Out-Patients. And when the user

deselects/unchecks the checkbox labelled, “Show Out-Patients only”, the data table will re-display all the Patients data again....


HolyCross Medical Center - Home

127.0.0.1:5500/hcmc-website/index.html

HomePatientsWelcome, Guest

Welcome to HolyCross

We care. God heals.



About Us

Lorem ipsum dolor sit amet consectetur, adipiscing elit. Ipsum, odit vero expedita quam veniam sed dignissimos, consectetur libero autem sequi reiciendis maiores ullam est aliquid exercitationem praesentium!

Ex deserunt necessitatibus nobis voluptate quos quibusdam velit, beatae quis maiores earum libero in voluptatum possimus.

Our Address and Contact Information

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Email: info@hcmc.org

CS472-WAP

HCMC

HolyCross Medical Center - Patients

127.0.0.1:5500/hcmc-website/patients.html

HomePatientsWelcome, Guest

Patients Registration

*Patient ID No:

EP-XXX-XXXXXX

Enter the Patient ID Number, in the specified format

*First Name:

Enter First Name

Enter the Patient's First Name

Middle Initial(s):

Enter Middle Initial(s)

*Last Name:

Enter Last Name

Enter the Patient's Last Name

*Date of birth:

mm / dd / yyyy

Enter the Patient's Date of birth

*Department:

Select...

Select the department providing care

*Is this an Out-patient?

☐ Yes ☐ No

☐ Show Elderly Patients only

☐ Show Out-Patients only

Reset

Register Patient

Patient ID No	First Name	Middle Initial(s)	Last Name	Date of birth	Department	Out-patient?
P-001-000001	Ana	J	Smith	1955-05-05	Ear, Nose and Throat	No
EP-001-000002	Bob	K	Jones	1955-05-04	Cardiology	Yes

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Please submit your code as a single zip file attachment to Sakai and/or push it to your github repository.

//-- Enjoy! --//