

IS446: Web Information Systems (Fall 2017)

Project 2

Due on your Practical Exam Day

In this project, you are required to implement a web application using JQuery and AJAX, that allows a user to save information about a person object (username, password, and address) in a MYSQL Database. In addition, click, focus, and blur events are captured and recorded, then sent to the server every 10 seconds to be saved in MYSQL. Finally, the user should be able to view all the saved persons and all the captured events.

You are given an index.html page that looks like the following.

What do You Want to do?
[Register](#) [Retrieve Data](#) [Retrieve Events](#)

When the user clicks on the Register link, a div element containing a form is displayed allowing the user to enter the data of a new person to be saved in MYSQL.

What do You Want to do?
[Register](#) [Retrieve Data](#) [Retrieve Events](#)

Enter Your Information
Username:
Password:
Email:

When the user presses the Register button, a POST AJAX request is sent to the server (Written in PHP) containing the generated Person object from the input data.

When the user clicks on the Retrieve Data link, a div element containing an HTML table displaying all stored records from the person table in MYSQL. The data is retrieved using a GET AJAX request.

What do You Want to do?

[Register](#) [Retrieve Data](#) [Retrieve Events](#)

Stored Users

Username	Password	Email
asd	7815696ecbf1c96e6894b779456d330e	asd@asd.com
mfseddik	1d15694b6cdfdca256322ab39204fe4b	mfseddik@gmail.com
Mohammed	c848d9614f8db9f70723192694eaa9f7	mfseddik@vt.edu

Similarity, when the user clicks on the Retrieve Events link, a div element containing an HTML table displaying all stored records from the event table in MYSQL.

What do You Want to do?

[Register](#) [Retrieve Data](#) [Retrieve Events](#)

Logged Events

Type	Target	Time
click	generate	2017-11-30 21:22:48
focus	username	2017-11-30 21:22:48
blur	username	2017-11-30 21:22:51
focus	username	2017-11-30 21:22:54
blur	username	2017-11-30 21:22:54
click	retrieve_events	2017-11-30 21:22:54
click	generate	2017-11-30 21:22:59
focus	username	2017-11-30 21:23:00
blur	username	2017-11-30 21:23:04
focus	password	2017-11-30 21:23:04
blur	password	2017-11-30 21:23:05
focus	username	2017-11-30 21:23:05
blur	username	2017-11-30 21:23:05
focus	email	2017-11-30 21:23:05

As you see, the following events are captured:

1. Click (For all three links).
2. Focus (For all text input fields).
3. Blur (For all text input fields).

An event object should be defined to hold the event data (type, target, and time). An event array holding all captured events should be sent every 10 seconds to the server by a POST AJAX request. (Make sure to empty the event array after sending).