

Web Design and Programming (0107558) Internet Programming (0107571)¹

Redirect and Authentication

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¹Michael Mendez. *The Missing Link: An Introduction to Web Development and Programming*. Open SUNY Textbooks 2014.

Redirect and Authentication

Redirect

- ▶ The PHP `header()` function supplies raw HTTP headers to the browser and can be used to redirect it to another location.
- ▶ A redirect requires 2 RRCs (request response cycle).
- ▶ Syntax of the `header()` function:
`header(header, replace, http_response_code)`
- ▶ The `header()` function must be called before any actual output is sent.

Redirect and Authentication

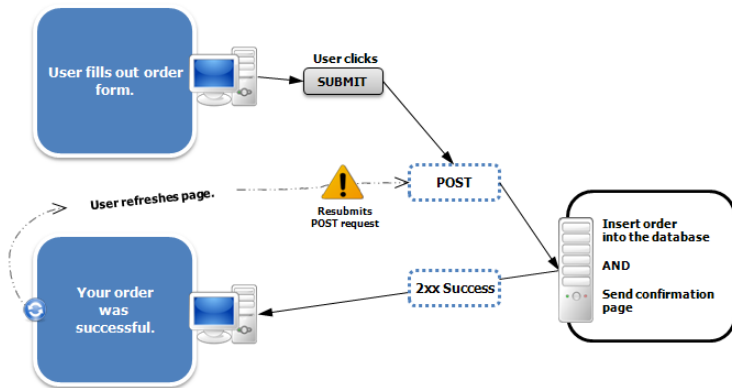
Post/Refresh/Redirect

- ▶ Don't double POST.
- ▶ POST is dangerous. It could change/modify/create data items one more time.
- ▶ A browser ask your confirmation when refresh (One more POST).

Redirect and Authentication

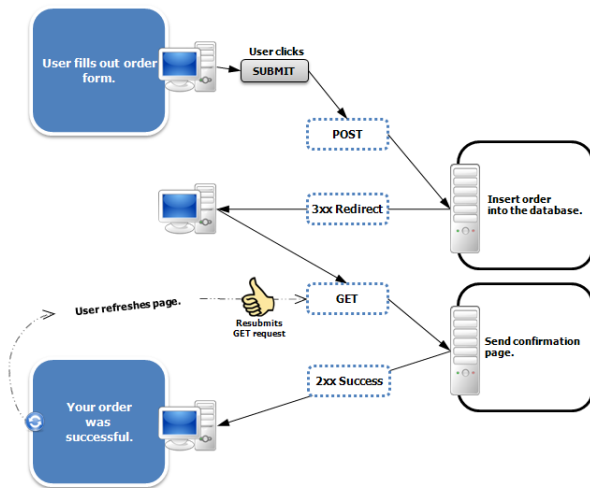
Post/Redirect/GET (PRG) Pattern

- ▶ To avoid resubmit when refresh, a redirect is used.
- ▶ Actual Post/Refresh.



Redirect and Authentication

Post/Redirect/GET (PRG) Pattern



Redirect and Authentication

Demo

9-postredirectget.php

Redirect and Authentication

Login and Logout

- ▶ Connect to the server is not a login.
- ▶ Login happens when a user info is put in the session (in the server).
- ▶ Logout removes user info from the session.

Redirect and Authentication

Demo

10-loginlogout (folder)

Redirect and Authentication

Quiz - 1

- ▶ Refreshing the page after a [] request might cause unintended consequences.
- ▶ Double POST problems can be solved by:
 - ▶ Replacing POST with GET
 - ▶ None of these
 - ▶ Using header('Refresh-Post: off')
 - ▶ Redirecting to a URL after the POST data has been processed
- ▶ A simple rule for generating a server response is to never generate a page with HTML content when the server receives [] data.
- ▶ HTML pages can only be requested using GET request.
 - ▶ True
 - ▶ False

Redirect and Authentication

Quiz - 2

- ▶ Messages that show up once and are gone when you refresh the page are often called.
 - ▶ flash messages
 - ▶ chat messages
 - ▶ perf messages
 - ▶ sub-messages
 - ▶ instant messages
- ▶ What is the correct sequence to avoid double post?
 - ▶ *GET > Redirect > POST*
 - ▶ *POST > Redirect > GET*
 - ▶ *POST > GET > Redirect*
 - ▶ *POST > POST > Redirect*

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Quiz - 3

- ▶ The PHP header() function affects which part of the request / response cycle?
 - ▶ The Content-length header
 - ▶ response headers
 - ▶ SQL headers
 - ▶ The query parameters
 - ▶ request headers
 - ▶ The `< head / >` area of the HTML document

Redirect and Authentication

Quiz - 4

- ▶ In the request/response cycle, when the browser sends form data using a POST request, how are the names and values sent to the server?
 - ▶ The server makes a network connection back to the browser and retrieves POST data if it needs the POST data
 - ▶ The browser sends the POST request on one server connection and makes a second connection to send the POST data
 - ▶ After the browser sends the POST request, request headers, and a blank line
 - ▶ After the browser sends the GET request, request headers, and a blank line
 - ▶ As parameters on the URL that is part of the POST request
- ▶ Having a session means that the user is logged in.
 - ▶ True
 - ▶ False

Redirect and Authentication

Quiz - 5

- ▶ Typically sessions are not established until after the user logs in successfully.
 - ▶ True
 - ▶ False
- ▶ What data changes when you successfully log in?
 - ▶ Session id
 - ▶ Session duration
 - ▶ Data in the session
 - ▶ Session cookie in the browser