URL REDIRECTOR

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Files

- index.php
- .htaccess
- process.php
- submit.php

index.php

- This is the default page for server, or website and it provides a form to enter any url of user choice.
- This page sends this url when clicked on go, to be processed by 'submit.php'.
- The basic purpose of this page is to provide the user with a means to shorten the url.

submit.php

- Submit gets the url in POST method of form, it generates a random short (length 5)string using php.

- A new tuple is stored in database using php mysql which contains this string in 'short' column and the original url in the link column.

- When encountering the short string, the corresponding url can be extracted from this database, and appropriately redirected.

.htaccess

- This file is for server's use. When http://server/string is accessed, it extracts the string part, and sends it to 'process.php' for redirection.

- This way, any shortened url can be processed.

process.php

- This file accessed the database using the string it gets from .htaccessin GET method, and queries the corresponding url in the database.

- If the url is found, without processing further, the page redirects it to that url regardless of whether it is a valid url or not (no validation is done).

- If the url hasn't been shortened, or in other words, the shortened url wasn't created earlier, then the page is processed instead and shows the appropriate error.