Back-End Tests and Structure

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The backend of the site is currently non-existent in the larger world, but I have performed several tests and made a prototype for one element of it on my local machine. I have put up a WAMP server setup on my laptop, and learned how to make PHP and MySQL interact, and I am confident I can string the site together like this.

The part I have prototyped is a blog post database. The two files included are an HTML file to input the post (and an import of a rich text editor I would like to adopt) and a PHP file to integrate that text into the database through a POST superglobal. The MySQL server on my machine has a table called “blogEntries” that looks like this:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Null Allowed** | **Default** |
| (PK) id | int | No | AUTO-INCREMENT |
| title | Varchar (200) | Yes | NULL |
| author | Varchar (100) | No | ADMIN |
| publishdate | timestamp | No | CURRENT\_  TIMESTAMP |
| content | mediumtext | Yes | NULL |

The result will be a database that admin accounts can add to through a specific webpage, and the contents will be displayed on another public-facing webpage. This webpage will be dynamic, displaying only the 10 or so most recent blog posts, then you will be able to navigate all posts in pages.

After handling blog upload and display, I will be working on user authentication to secure who can upload to the blog. This may be all we have time to implement.

**Final implementation will need assistance, because through all the practice we have had this semester constructing websites, we have never been able to learn to put something online to the greater public.**

Things we need to consider or research for implementation:

* What hardware/OS will the server be hosted on?
* Will it be hosted locally somewhere, or on the cloud?
* If on the cloud, which service, and who will foot the bill?
* How will we handle domain name choice? Do we need to hook into PSTCC’s webhosting in some way?
* Who will maintain the server after adoption?