I used a basic phpBB installation (3.0.9 at the time). Minor modifications were made to the default installation settings (e.g. alphanumeric usernames, SMTP email, etc).

Two external scripts were written that allow SmartFox to communicate with our phpBB system.

* sfs-phpBB\_login.php
* sfs-phpBB\_registration.php

Both of these scripts are independent and do not affect the integrity of phpBB.

## Modification to phpBB

For custom Underverse variables, we will be appending many of them to the phpBB's user table.

We will also be modifying some Administration Control Panel (ACP) scripts that will allow admins to modify these variables.

**Why?**

By structuring the system this way, we're making the system flexible to further expansion. Some **future possibilities** that could be built off of this structure easily are:

1. Custom Underverse language file allowing for easy translations
2. Incorporation into forum (e.g. display user's wins in profile)
3. Ordering/searching for users by Underverse variables (e.g. search for highest ranked users)

phpBB's official mod installer (AutoMOD) was installed to make modification simpler.

## Adding a new variable to the users table

Following example shows how to add additional field **user\_newvar** to phpBB user table. It also demonstrates how to modify the ACP to make this new variable available to admins for manual modification.

### Modify database

'ALTER TABLE ' . USERS\_TABLE . " ADD user\_newvar varchar( 255 ) NOT NULL DEFAULT ''";

### Modify ACP files

adm/style/acp\_users\_profile.html

**FIND:**

<dl>

<dt><label for="msn">{L\_UCP\_MSNM}:</label></dt>

<dd><input type="text" id="msn" name="msn" value="{MSN}" /></dd>

</dl>

**ADD AFTER:**

<dl>

<dt><label for="newvar">New Var:</label></dt>

<dd><input type="text" id="newvar" name="newvar" value="{NEWVAR}" /></dd>

</dl>

includes/acp/acp\_users.php

**(1)**

**FIND:**

'msn' => request\_var('msn', $user\_row['user\_msnm']),

**ADD AFTER:**

'newvar' => request\_var('newvar', $user\_row['user\_skype']),

**(2)**

**FIND:**

'msn' => array('string', true, 5, 255),

**ADD AFTER:**

'newvar' => array('string', true, 1, 255),

**(3)**

**FIND:**

'user\_msnm' => $data['msn'],

**ADD AFTER:**

'user\_newvar' => $data['newvar'],

**(4)**

**FIND:**

'MSN' => $data['msn'],

**ADD AFTER:**

'NEWVAR' => $data['newvar'],