Ereserve

An Equipment Reservation System for WordPress

This is a bare bones equipment rental system that works as a WordPress plugin. At this point it's very specific to Community TV's needs. To see it in operation visit: https://satellite.communitytv.org/equipment-reservations/ If you have questions or want to implement this on your website please contact me.

Here are the 4 needed pages' contents:

Short Code	Page Purpose	Status
[e_reserve]	Main reservation system page.	Public
[e_reserve action="admin"]	Reservation administration page.	Private
[e_reserve action="thanks"]	Thank you page for reservations.	Public
[e_reserve action="equip"]	Where system administration, such as adding new equipment and categories happens.	Private

Setup needed ahead of time:
In the database create the following tables (table structure follows):
- Categories
- frequently_rented_with
- Items
- reservations
- reservation_detail
- Status
- Types

In the main directory you will need a file named 'dbconvars.php' with the following content:

```php
<?php
$dbhost = "localhost";
$dbuser = "user_name_for DB";
$dbpwd = "user_password";
$dbname = "your_db_name";
?>
```

In addition, this plugin communicates with Deskworks, a coworking administration software package. The APIs in the api directory include files that are linked to the appropriate API directory defined in a separate file 'satvars.php' which contains:

```php
<?php
$apiUrl = "https://your_deskwords_url.com";
$pword = "your_deskworks_password";
$uname = "your_deskworks_user_name";
?>
```

Categories Table Structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	cid 🔑	int(10)		UNSIGNED	No	None		AUTO_INCREMENT
2	name	varchar(256)	latin1_swedish_ci		Yes	NULL		
3	active	tinyint(1)			Yes	NULL		
4	image	varchar(256)	latin1_swedish_ci		No	None		

frequently_rented_with Structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	fid 🔑	int(10)		UNSIGNED	No	None		AUTO_INCREMENT
2	tid	int(10)		UNSIGNED	Yes	NULL		
3	fr_tid	int(10)		UNSIGNED	Yes	NULL		

Items Structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	iid 🔑	int(10)		UNSIGNED	No	None		AUTO_INCREMENT
2	tid	int(10)		UNSIGNED	No	None		
3	inventory	varchar(64)	latin1_swedish_ci		No	None		
4	satellite_id	int(10)		UNSIGNED	No	None		
5	status	int(10)		UNSIGNED	Yes	NULL		
6	active	tinyint(1)			Yes	NULL		

reservations Structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(10)		UNSIGNED	No	None		AUTO_INCREMENT
2	status	int(10)		UNSIGNED	Yes	NULL		
3	name	varchar(256)	latin1_swedish_ci		Yes	NULL		
4	phone	varchar(256)	latin1_swedish_ci		Yes	NULL		
5	email	varchar(256)	latin1_swedish_ci		Yes	NULL		
6	date1	date			Yes	NULL		
7	date2	date			Yes	NULL		
8	time1	time			Yes	NULL		
9	time2	time			Yes	NULL		

reservation_detail Structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id	int(10)		UNSIGNED	No	None		AUTO_INCREMENT
2	rid	int(10)		UNSIGNED	Yes	NULL		
3	item_id	int(10)		UNSIGNED	Yes	NULL		
4	status	int(10)		UNSIGNED	Yes	NULL		

Status Structure: (statuses that your reservations can have)

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	sid	int(10)		UNSIGNED	No	None		
2	status	varchar(64)	latin1_swedish_ci		No	None		

Types Structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	tid	int(10)		UNSIGNED	No	None		AUTO_INCREMENT
2	cid	int(10)		UNSIGNED	Yes	NULL		
3	title	varchar(256)	latin1_swedish_ci		Yes	NULL		
4	description	varchar(4096)	latin1_swedish_ci		Yes	NULL		
5	image	varchar(256)	latin1_swedish_ci		Yes	NULL		
6	active	tinyint(1)			Yes	NULL		
7	rate	decimal(10,0)			No	None		
8	contents	varchar(1024)	latin1_swedish_ci		No	None		

Here are some examples. A category might be "Cameras", with that category there are "Types", e.g. "DSLR Camera Kit". There are individual "Items" for each Type. You might have 3 of these cameras, each with a different inventory number.

Statuses might be "Available", "Checked Out", "Checked In", "Broken", etc.