

Database Tables Overview:

Server: localhost ▶ Database: BRLCAD

Structure SQL Search Query Export Import Operations Privileges Drop

Table	Action	Records ¹	Type	Collation	Size	Overhead
<input type="checkbox"/> file_paths		0	MyISAM	utf8_general_ci	1.0 K1B	-
<input type="checkbox"/> mat_details		0	MyISAM	utf8_general_ci	1.0 K1B	-
<input type="checkbox"/> user_auth		0	MyISAM	utf8_general_ci	1.0 K1B	-
<input type="checkbox"/> user_details		0	MyISAM	utf8_general_ci	1.0 K1B	-
<input type="checkbox"/> user_ip		0	MyISAM	utf8_general_ci	1.0 K1B	-
5 table(s)	Sum	0	MyISAM	utf8_general_ci	5.0 K1B	0 B

Check All / Uncheck All With selected: ▾

Print view Data Dictionary

Create new table on database BRLCAD

Name: Number of fields:

Go

¹ May be approximate. See FAQ 3.11

Open new phpMyAdmin window

User Details Table:

Server: localhost ▶ Database: BRLCAD ▶ Table: user_details *Table for User details*

Browse Structure SQL Search Insert Export Import Operations Empty Drop

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0033 sec)

```
SELECT *
FROM `user_details`
LIMIT 0, 30
```

Profiling [Edit] [Explain SQL] [Create PHP Code] [Refresh]

Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> id	int(11)			No	None		
<input type="checkbox"/> first_name	varchar(30)	utf8_general_ci		No	None		
<input type="checkbox"/> last_name	varchar(30)	utf8_general_ci		No	None		
<input type="checkbox"/> e-mail	varchar(40)	utf8_general_ci		No	None		
<input type="checkbox"/> date_joined	datetime			No	0000-00-00 00:00:00		

Check All / Uncheck All With selected:

Print view Propose table structure

Add 1 field(s) At End of Table At Beginning of Table After id Go

+ Details...

Open new phpMyAdmin window

Material Details Table:

Server: localhost Database: bricad Table: mat_details "Materials details"

Table mat_details has been altered successfully

```
ALTER TABLE `mat_details` CHANGE `availability` `availability` BOOL NOT NULL DEFAULT '0' COMMENT 'Whether this article can be edited by everyone or only the user who created it'
```

Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> id	int(11)			No	None		[Edit] [Delete] [Add] [Drop] [Refresh] [Print]
<input type="checkbox"/> user_id	int(11)			No	None		[Edit] [Delete] [Add] [Drop] [Refresh] [Print]
<input type="checkbox"/> name	varchar(30)	utf8_general_ci		No	None		[Edit] [Delete] [Add] [Drop] [Refresh] [Print]
<input type="checkbox"/> description	text	utf8_general_ci		Yes	NULL		[Edit] [Delete] [Add] [Drop] [Refresh] [Print]
<input type="checkbox"/> p_weight	float			Yes	NULL		[Edit] [Delete] [Add] [Drop] [Refresh] [Print]
<input type="checkbox"/> p_density	float			Yes	NULL		[Edit] [Delete] [Add] [Drop] [Refresh] [Print]
<input type="checkbox"/> p_moi	float			Yes	NULL		[Edit] [Delete] [Add] [Drop] [Refresh] [Print]
<input type="checkbox"/> availability	tinyint(1)			No	0		[Edit] [Delete] [Add] [Drop] [Refresh] [Print]

Indexes:

Action	Keyname	Type	Unique	Packed	Field	Cardinality	Collation	Null	Comment
[Edit] [Delete]	PRIMARY	BTREE	Yes	No	id	0	A		

Space usage

Type	Usage	Statements	Value
Data	0 B		dynamic
Index	1,024 B		utf8_general_ci
Total	1,024 B		0

User Authentication Table:

Server: localhost Database: BRLCAD Table: user_auth "User authentication table"

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 sec)

```
SELECT * FROM `user_auth` LIMIT 0, 30
```

Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> user_id	int(11)			No	None		[Edit] [Delete] [Add] [Drop] [Refresh] [Print]
<input type="checkbox"/> username	varchar(30)	utf8_general_ci		No	None		[Edit] [Delete] [Add] [Drop] [Refresh] [Print]
<input type="checkbox"/> password	varchar(40)	utf8_general_ci		No	None		[Edit] [Delete] [Add] [Drop] [Refresh] [Print]

User IP Table: (Optional – For security/information)

Server: localhost ▶ Database: BRLCAD ▶ Table: user_ip "Store IP of users when they log in"

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0007 sec)

```
SELECT *
FROM `user_ip`
LIMIT 0 , 30
```

Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> user_id	int(11)			No	None		
<input type="checkbox"/> ip	varchar(20)	utf8_general_ci		No	None		

Check All / Uncheck All With selected:

Print view Propose table structure

Add 1 field(s) At End of Table At Beginning of Table After user_id

+ Details...

Notes:

1. User ID and Material ID need not be integers. They can be VARCHARs with some special prefix/suffix
2. The 'availability' column in the Material Details Table corresponds to the current functionality of the site where one user cannot edit another's page/materials if the material was tagged 'Private'. 'Private' corresponds to 0 while 'Public' corresponds to 1.
3. P_weight, p_density, p_moi are different properties of a material. Further columns can be added via PHP and an interface can be provided where the user can include a new property. The value of that property for the existing materials can be set to NULL.
4. This is the basic SQL schema on which I plan to work. It is not completely optimized but gives an idea of how the database will function.