

ruckusing

code.google.com/p/ruckusing

"Database Migrations" for PHP5, ala Ruby on Rails ActiveRecord Migrations

main.php

```
Init database: db:setup
Set version:  db:setversion VERSION=7
Get version:  db:version
Migrate:      db:migrate
To version:   db:migrate VERSION=4
Get schema:   db:schema
```

config/database.inc.php

Set up environments. Reference with: ENV=prod

generate.php

New migration: generate.php add_email_to_users

→ db/migration/001_AddEmailToUsers.php

```
class AddEmailToUsers extends Ruckusing_BaseMigration {
    public function up() {
        //up()
    }
    public function down() {
        //down()
    }
}
```

migration methods

```
$this->create_database("my_project");
$this->drop_database("my_project");

$this->create_table("my_table")
$this->create_table('users', array(...));
$users->column("first_name", "string");
$users->column("last_name", "string");
$users->finish();
$this->drop_table("my_table");
$this->rename_table("my_table", "better_name");

$this->add_column("posts", "size", "integer");
$this->remove_column("users", "age");
$this->rename_column("users", "first_name", "fname");
$this->change_column("users", "first_name", "string", array('limit' => 128) );

$this->add_index("users", "ssn", array('unique' => true, 'name' => 'index_name'));
$this->remove_index("users", "email");

$this->execute("UPDATE ... "); $this->select(...); $this->select_all(...);
```

column type	MySQL
String	varchar (255)
Text	text
integer	int (11)
float	float
decimal	decimal
datetime	datetime
time	time
date	date
binary	blob
boolean	tinyint (1)

migration class example

```
class CreatePostsTable extends Ruckusing_BaseMigration {

    public function up() {
        $t = $this->create_table("posts");
        $t->column("subject", "string");
        $t->column("body", "string");
        $t->column("created_at", "datetime", array('null' => false));
        $t->column("author_id", "integer");
        $t->finish();

        $this->add_index("posts", "author_id");
    }

    public function down() {
        $this->drop_table("posts");
    }
}
```