

# 互联网数据库开发大作业部署文档

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## 1.初始化

首先，把下好的 virusfallflat.zip 放在 xampp/htdocs 下。

在 localhost/phpmyadmin 建立空数据库 virusfallflat

然后，在 xampp/htdocs/virusfallflat 下打开 powershell，输入命令 `.\yii.bat migrate`

（有的版本可能是 `yii.bat migrate`）

也可以直接打开 cmd，将 `yii.bat` 拉入，输入 `migrate` 命令

自动创建数据库表之后就可以使用啦！

## 2.建立 migration

首先，在 xampp/htdocs/virusfallflat 下打开 powershell，输入命令 `.\yii migrate/create table_name`，  
（`table_name` 是你想创建的表名）

然后会在相应的文件夹下创建好 `php` 文件。



在 `xampp/htdocs/virusfallflat/console/migrations` 下查看这些 `php` 文件

在 `public function safeUp()` 中写入创建表和插入数据的 `sql` 代码

后 `$this->db->createCommand($sql)->execute();`

在 `public function safeDown()`，写入 `$this->dropTable('{{%table_name}}');`

## 数据库

 新建数据库 

```
PS F:\xampp\htdocs\virusfallflat> .\yii.bat migrate
Yii Migration Tool (based on Yii v2.0.32)
```

```
Creating migration history table "migration"...Done.
Total 13 new migrations to be applied:
```

```
m200613_100416_user
m200613_101744_admin
m200613_101829_china_cured
m200613_101838_china_death
m200613_101916_china_infected
m200613_101934_comment
m200613_101957_country_cured
m200613_102005_country_death
m200613_102018_country_infected
m200613_102030_passage
m200613_102039_passagelike
m200613_102046_passagetype
m200613_102102_publish
```

```
Apply the above migrations? (yes|no) [no]:yes
```

```
Windows PowerShell
Suggestion [3,General]: 找不到命令 'yii'，但它确实存在于当前位置。默认情况下，Windows PowerShell 不会从当前位置加载命令。如果信任此命令，请改为键入 ".\yii"。
有关详细信息，请参阅 "get-help about_Command_Precedence"。
PS F:\xampp\htdocs\virusfallflat> .\yii migrate/create user
Yii Migration Tool (based on Yii v2.0.32)

Create new migration 'F:\xampp\htdocs\virusfallflat\console\migrations\m200613_100416_user.php'? (yes/no) [no]:yes
New migration created successfully.
PS F:\xampp\htdocs\virusfallflat> .\yii migrate/create admin
Yii Migration Tool (based on Yii v2.0.32)

Create new migration 'F:\xampp\htdocs\virusfallflat\console\migrations\m200613_101744_admin.php'? (yes/no) [no]:yes
New migration created successfully.
PS F:\xampp\htdocs\virusfallflat> .\yii migrate/create china_cured
Yii Migration Tool (based on Yii v2.0.32)

Create new migration 'F:\xampp\htdocs\virusfallflat\console\migrations\m200613_101829_china_cured.php'? (yes/no) [no]:yes
New migration created successfully.
PS F:\xampp\htdocs\virusfallflat> .\yii migrate/create china_death
Yii Migration Tool (based on Yii v2.0.32)

Create new migration 'F:\xampp\htdocs\virusfallflat\console\migrations\m200613_101838_china_death.php'? (yes/no) [no]:yes
New migration created successfully.
PS F:\xampp\htdocs\virusfallflat> .\yii migrate/create china_infected
Yii Migration Tool (based on Yii v2.0.32)

Create new migration 'F:\xampp\htdocs\virusfallflat\console\migrations\m200613_101916_china_infected.php'? (yes/no) [no]:yes
New migration created successfully.
PS F:\xampp\htdocs\virusfallflat> .\yii migrate/create comment
Yii Migration Tool (based on Yii v2.0.32)






Create new migration 'F:\xampp\htdocs\virusfallflat\console\migrations\m200613_101934_comment.php'? (yes/no) [no]:yes
New migration created successfully.
PS F:\xampp\htdocs\virusfallflat> .\yii migrate/create country_cured
Yii Migration Tool (based on Yii v2.0.32)

Create new migration 'F:\xampp\htdocs\virusfallflat\console\migrations\m200613_101957_country_cured.php'? (yes/no) [no]:yes
New migration created successfully.
PS F:\xampp\htdocs\virusfallflat> .\yii migrate/create country_death
Yii Migration Tool (based on Yii v2.0.32)

Create new migration 'F:\xampp\htdocs\virusfallflat\console\migrations\m200613_102005_country_death.php'? (yes/no) [no]:yes
New migration created successfully.
PS F:\xampp\htdocs\virusfallflat> .\yii migrate/create country_infected
Yii Migration Tool (based on Yii v2.0.32)

Create new migration 'F:\xampp\htdocs\virusfallflat\console\migrations\m200613_102018_country_infected.php'? (yes/no) [no]:yes
```

电脑 > 新加卷 (F:) > xampp > htdocs > virusfallflat > console > migrations

名称	修改日期	类型	大小
 m200613_100416_user.php	2020/6/13 18:13	PHP 文件	1 KB
 m200613_101744_admin.php	2020/6/13 18:17	PHP 文件	1 KB
 m200613_101829_china_cured.php	2020/6/13 18:18	PHP 文件	1 KB
 m200613_101838_china_death.php	2020/6/13 18:18	PHP 文件	1 KB
 m200613_101916_china_infected.php	2020/6/13 18:19	PHP 文件	1 KB
 m200613_101934_comment.php	2020/6/13 18:19	PHP 文件	1 KB
 m200613_101957_country_cured.php	2020/6/13 18:19	PHP 文件	1 KB
 m200613_102005_country_death.php	2020/6/13 18:20	PHP 文件	1 KB
 m200613_102018_country_infected.php	2020/6/13 18:20	PHP 文件	1 KB
 m200613_102030_passage.php	2020/6/13 18:20	PHP 文件	1 KB
 m200613_102039_passagelike.php	2020/6/13 18:20	PHP 文件	1 KB
 m200613_102046_passagetype.php	2020/6/13 18:20	PHP 文件	1 KB
 m200613_102102_publish.php	2020/6/13 18:21	PHP 文件	1 KB

```
public function safeUp()
{
    $sql = "CREATE TABLE `admin` (
`admin_name` varchar(20) COLLATE utf8mb4_unicode_ci NOT NULL,
`admin_password` varchar(20) COLLATE utf8mb4_unicode_ci NOT NULL DEFAULT '123456',
`login_time` datetime DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci ROW_FORMAT=DYNAMIC;";

    $this->db->createCommand($sql)->execute();

    $sql = "INSERT INTO `admin` (`admin_name`, `admin_password`, `login_time`) VALUES
('abc', '123', NULL),
('Einstein', '123456', NULL),
('inphantasm', '123456', NULL),
('NKU | 阳', '123456', NULL);";

    $this->db->createCommand($sql)->execute();
}

public function safeDown()
{
    $this->dropTable('{{%admin}}');
}
```