

# Aquarium-Management-System

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## Configuration

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### Database

- User Name

|

- Password

|

- port #

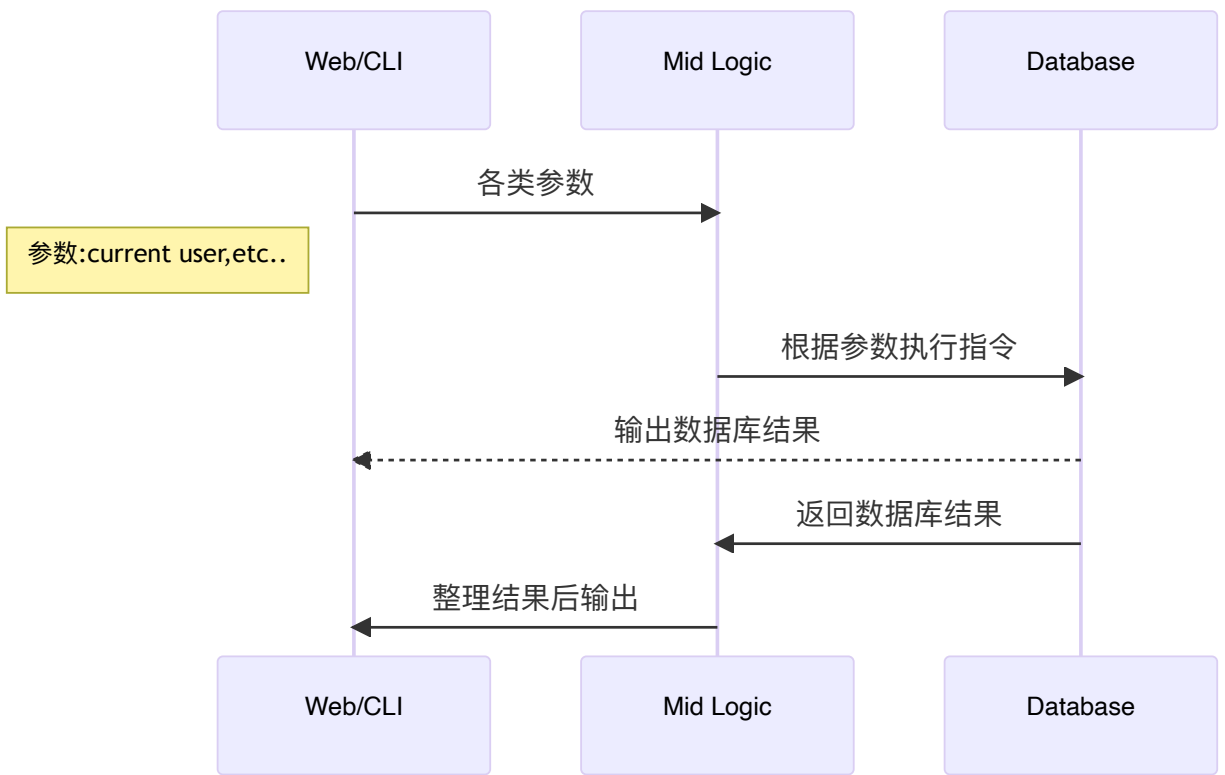
|

### ~~API Doc~~

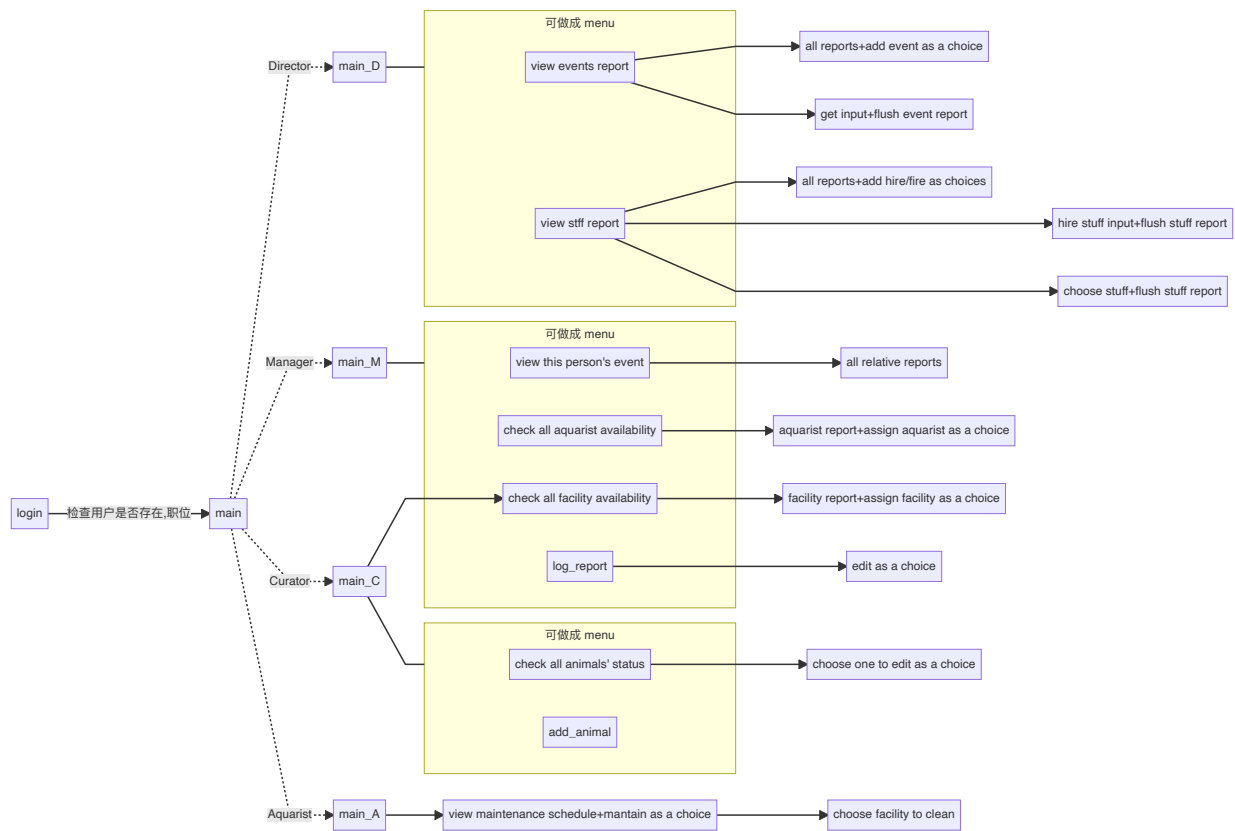
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### Project Doc

### 总览

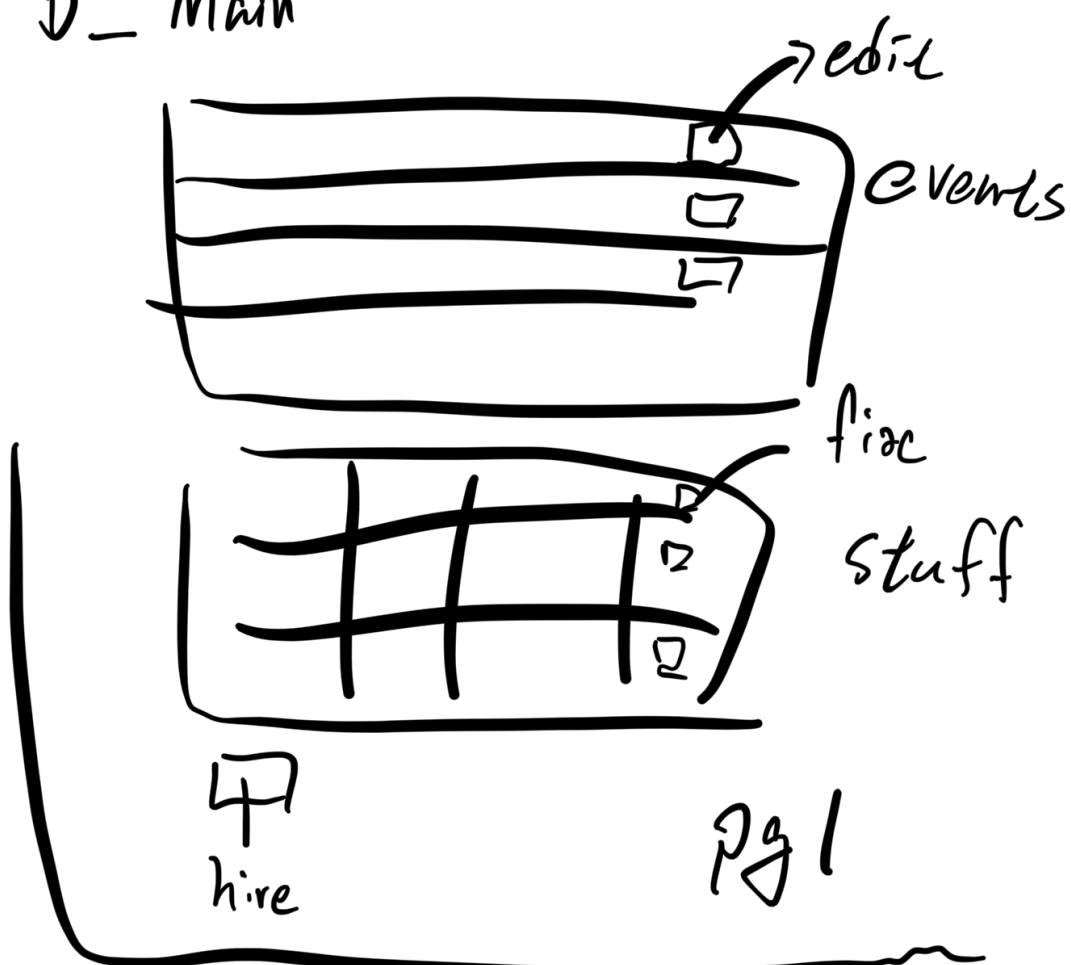


## Logic



## web 页面设计

1\_ Main



hire

name	<input type="text"/>
pwd	<input type="password"/>

---

Manager    o/i - to report

url / 1 / 1


report

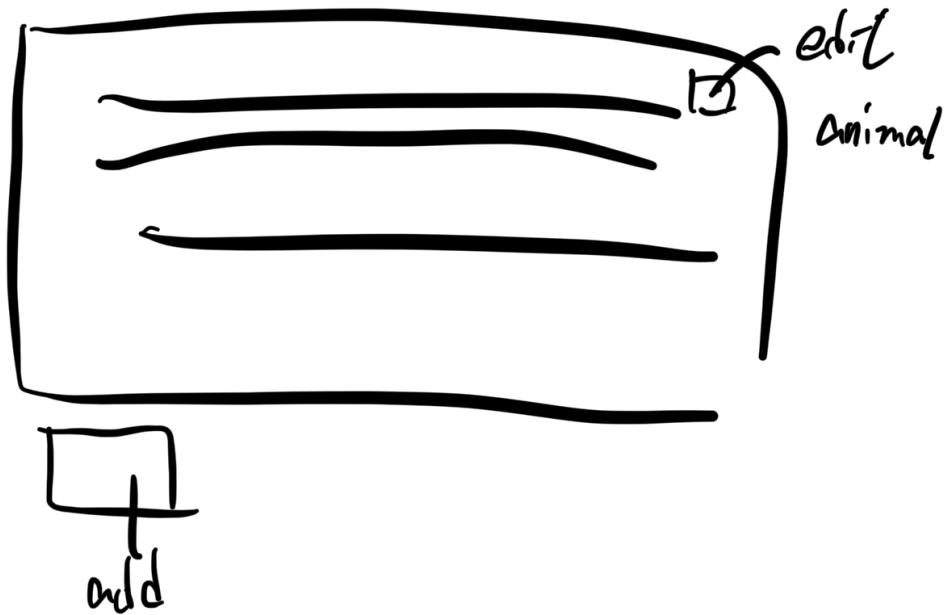


abstracting against facility


cd:z

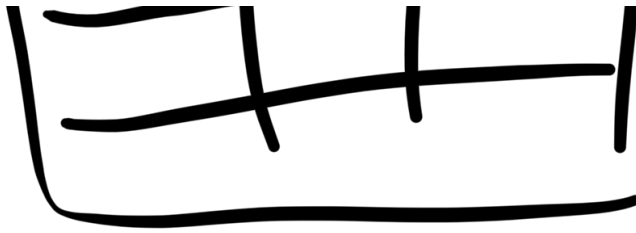
log report

curator / 饲养员



Aquarist





## 四大操作 增删改查

### Director menu

增	删	改	查
Create new event	Fire staff	-	View events report
Hire staff	-	-	view staff report

### Event Manager menu

增	删	改	查
-	-	Assign aquarist to event	View your events
-	-	Assign facility to event	check aquarist availability
-	-	Log event attendance	check facility availability

### Curator menu

增	删	改	查
Add new animal	-	feed your animals	Check on your animals
-	-	-	check facility availability

### Aquarist menu

增	删	改	查
-	-	Maintain facility	View maintenance schedule

## 数据库连接

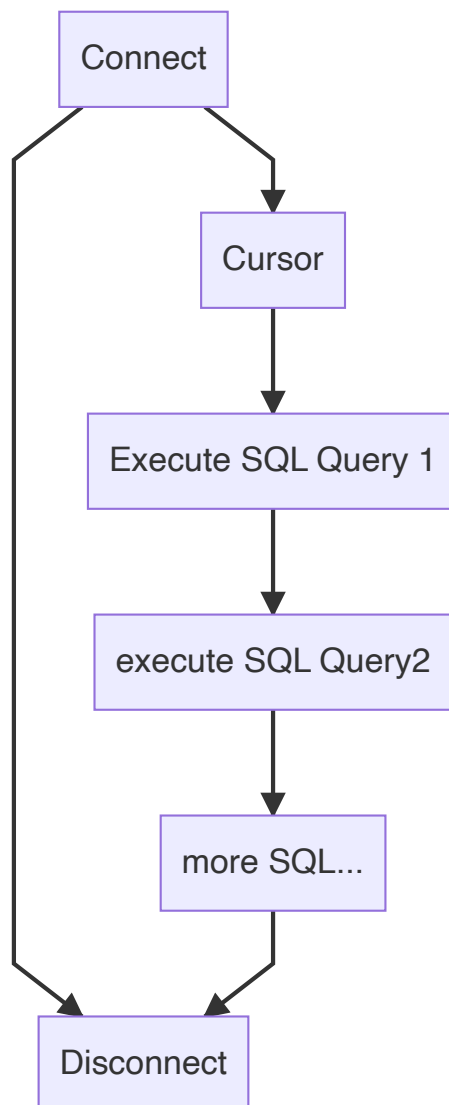
驱动:

[mysqlclient](#)

Storage Engine:

[InnoDB](#)

基本流程:





## pseudo code:

Django Setting:

```
1  """
2  Database Conf
3  """
4  # settings.py
5  DATABASES = {
6      'default': {
7          'ENGINE': 'django.db.backends.mysql',
8          'OPTIONS': {
9              'read_default_file': '/path/to/my.cnf',
10         },
11     }
12 }
13
14
15 # my.cnf
16 [client]
17 database = NAME
18 user = USER
19 password = PASSWORD
20 default-character-set = utf8
```

Function Example:

```

1  from django.db import connection
2  """
3  连接数据库后
4  """
5  def my_custom_sql(self):
6      with connection.cursor() as cursor:
7          # with 关键词将在 该 func 运行完之后自动解除
8          # 即 connect-> 执行语句->disconnect
9          cursor.execute("UPDATE bar SET foo = 1 WHERE baz = %s",
[ self.baz ])
10         cursor.execute("SELECT foo FROM bar WHERE baz = %s", [ self.baz ])
11         row = cursor.fetchone()
12         # fetchone 抓取一条执行后的返回值
13         return row

```

## API

### select

Function name	input(format)	Output(format)
login_account	Username, password(string,string)	has any suitable value(T/F)

- login\_account

根据已有用户名/密码查找是否存在该用户

明文密码哈希转换后和数据库中比对

### insert

Function name	input(format)	Output(format)
new_event	???	query seceeed? (T/F)
		query seceeed? (T/F)
		query seceeed? (T/F)
		query seceeed? (T/F)

- new\_event