

API's, REST and SOAP

localhost:443/api/v1/exam/pass

ITI-F20

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Agenda



- ▶ API
- ▶ REST
- ▶ Authentication



- ▶ Application
- ▶ Programmer
- ▶ Interface

GET localhost:8080/xx/mvc/public/api/users

Response

```
1  [  
2    {  
3      "user_id": "1", "username": "jack"  
4    }, {  
5      "user_id": "2", "username": "jill"  
6    }  
7  ]
```

API

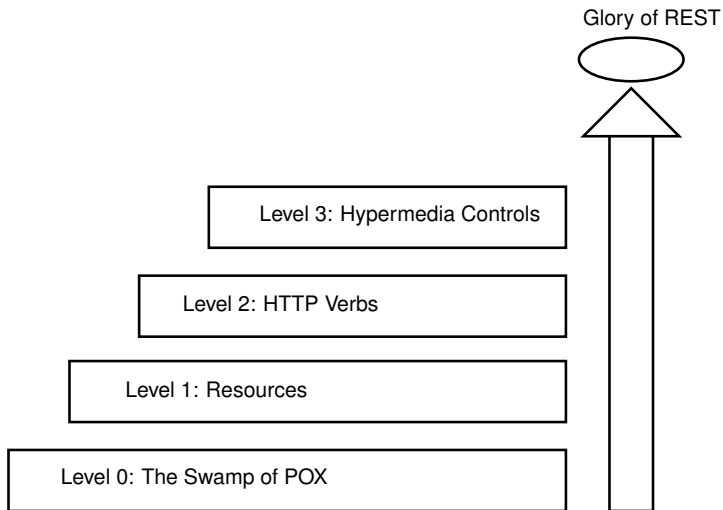
PHP. PHP everywhere



```
1  <?php
2  public function users () {
3      $users = $this->model('User')->getAll();
4      echo json_encode($users, JSON_PRETTY_PRINT);
5  }
```

REST

You're still using SOAP? Take a REST



Authentication

I don't trust you



Basic Auth

oAuth

- ▶ Token
- ▶ Username password
- ▶ TLS/SSL only