



كلية الحاسبات وتقنية المعلومات
Faculty of Computing and Information Technology



تطوير برامج الأندرويد

ورشة عمل – اليوم الثالث والأخير

كلمة

التأجيل هو موت بطيء لمشاريعنا.

عن مقدم الدورة

• أحمد جمال طيب



- معيد بكلية الحاسبات , جامعة الملك عبدالعزيز
- مؤسس وقائد قوس التقنية
- مطور مواقع
- مطور برامج ويندوز
- مطور تطبيقات أندرويد



@ahmad_tayeb



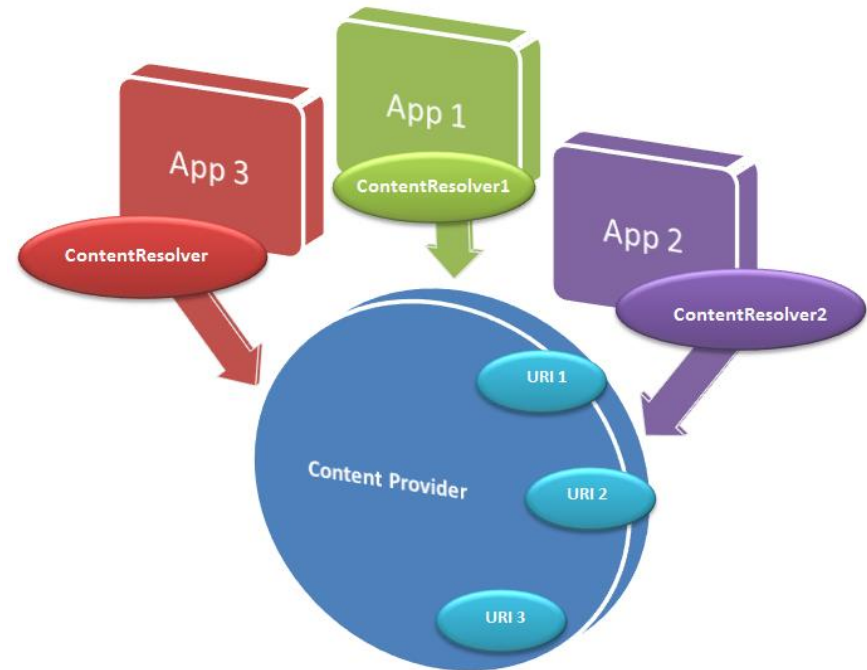
ahmad.tayeb.it

اليوم الثالث

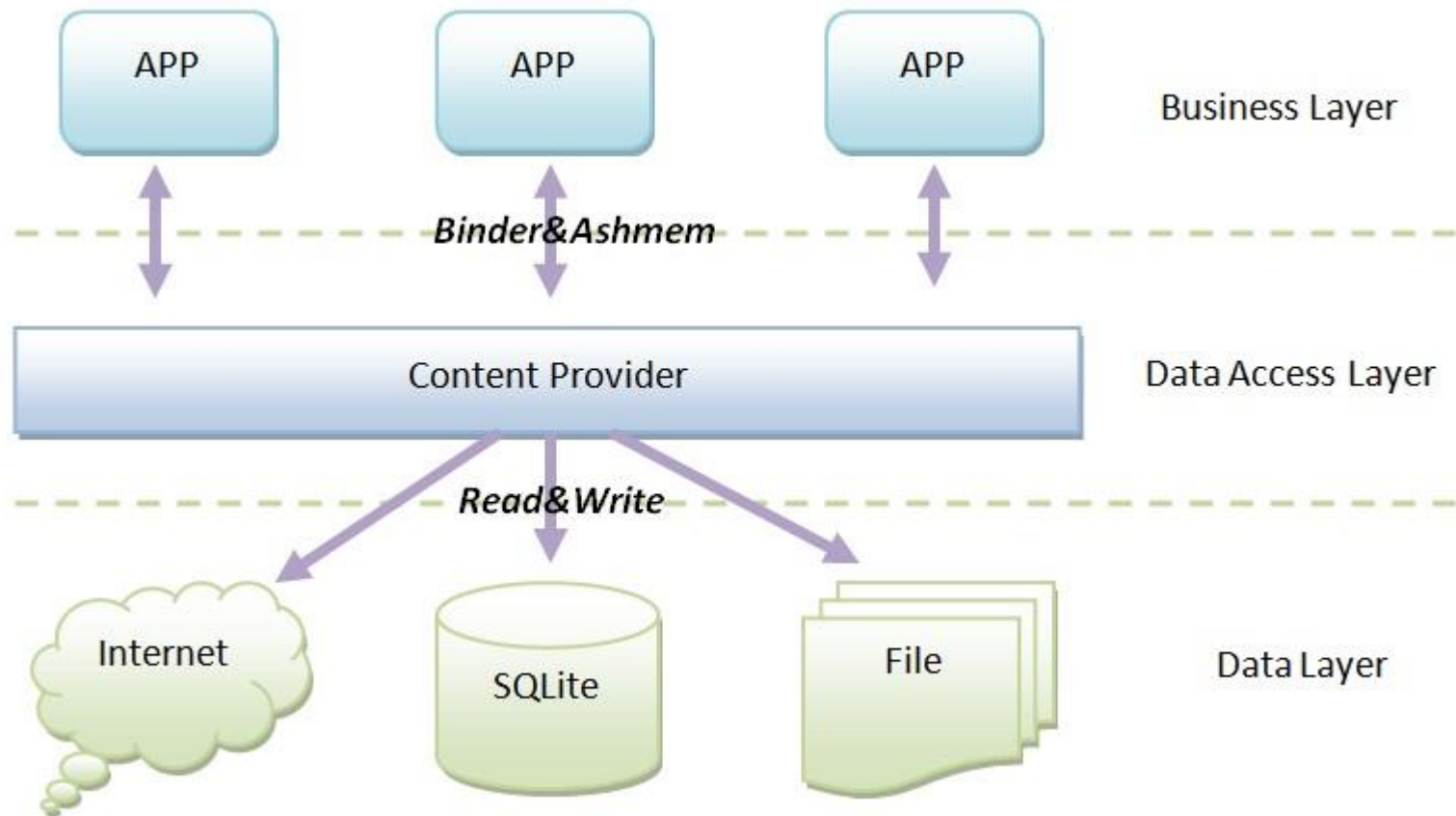
- Content Providers Concept
- Server Side Application Concept
- PHP and MySQL
- JSON

Content Providers

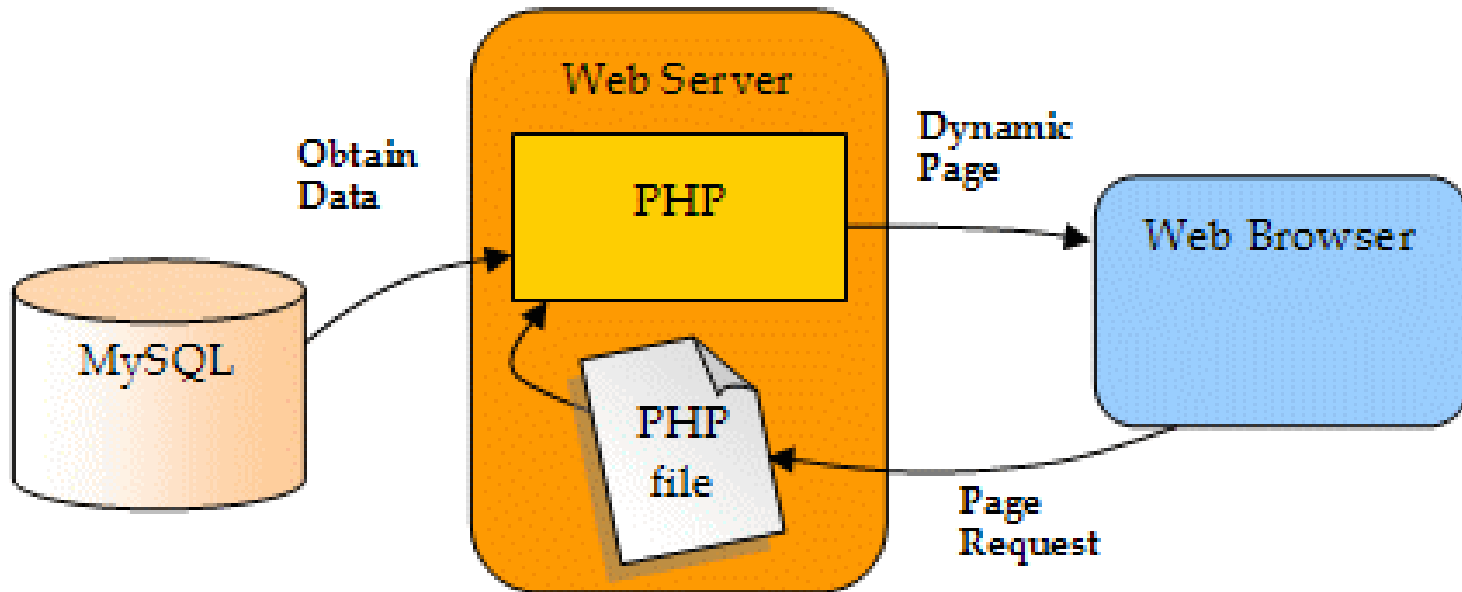
- Content providers manage access to a structured set of data. They encapsulate the data, and provide mechanisms for defining data security. Content providers are the standard interface that connects data in one process with code running in another process.



Content Providers

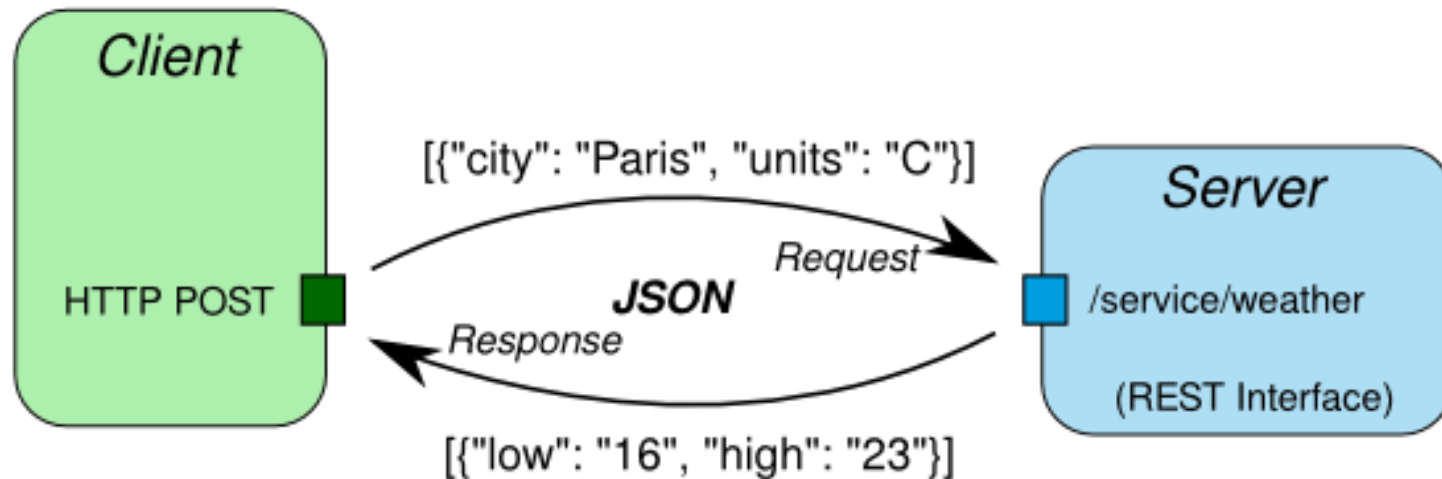


Server Side Application Concept PHP and MySQL



JSON (JavaScript Object Notation)

JSON / REST / HTTP



JSON (JavaScript Object Notation)

JSON Example :

```
{ "menu": {  
  "id": "file",  
  "value": "file",  
  "popup": {  
    "menuitem": [  
      { "value": "New", "onclick": "CreateNewDoc()" },  
      { "value": "Open", "onclick": "OpenDoc()" },  
      { "value": "Close", "onclick": "CloseDoc()" }  
    ]  
  }  
}
```

The same text expressed as XML:

```
<menu id="file" value="file">  
  <popup>  
    <menuitem value="New" onclick="CreateNewDoc()" />  
    <menuitem value="Open" onclick="OpenDoc()" />  
    <menuitem value="Close" onclick="CloseDoc()" />  
  </popup>  
</menu>
```

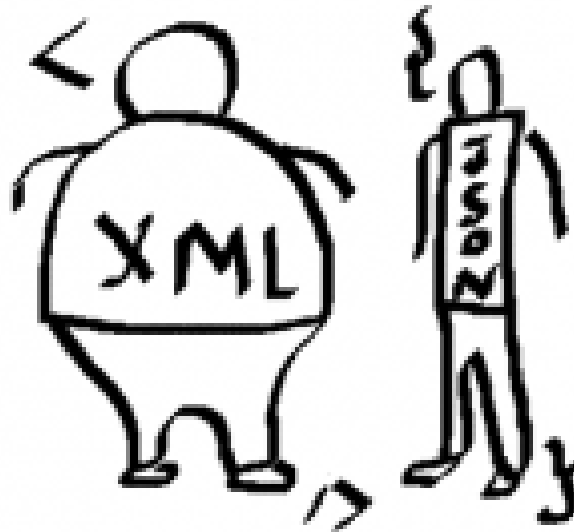
```
{  
  "menu": {  
    "id": "file",  
    "value": "File",  
    "popup": {  
      "menuitem": [  
        {  
          "value": "New",  
          "onclick": "CreateNewDoc()"  
        },  
        {  
          "value": "Open",  
          "onclick": "OpenDoc()"  
        },  
        {  
          "value": "Close",  
          "onclick": "CloseDoc()"  
        }  
      ]  
    }  
  }  
}
```


JSON (JavaScript Object Notation)

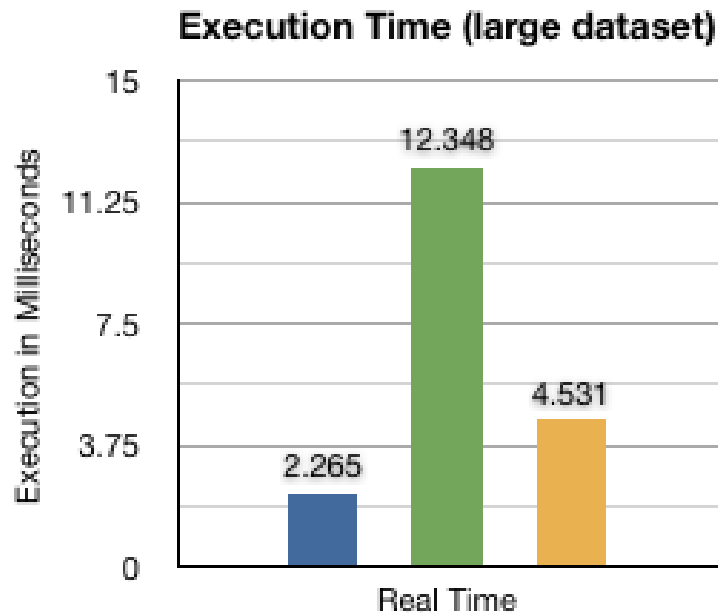
```
{  
  "title": "Example Schema",  
  "type": "object",  
  "properties": {  
    "firstName": {  
      "type": "string"  
    },  
    "lastName": {  
      "type": "string"  
    },  
    "age": {  
      "description": "Age in years",  
      "type": "integer",  
      "minimum": 0  
    }  
  },  
  "required": ["firstName", "lastName"]  
}
```

```
{  
  "title": "Example Schema",  
  "type": "object",  
  "properties": {  
    "firstName": {  
      "type": "string"  
    },  
    "lastName": {  
      "type": "string"  
    },  
    "age": {  
      "description": "Age in years",  
      "type": "integer",  
      "minimum": 0  
    }  
  },  
  "required": {  
    "firstName",  
    "lastName"  
  }  
}
```

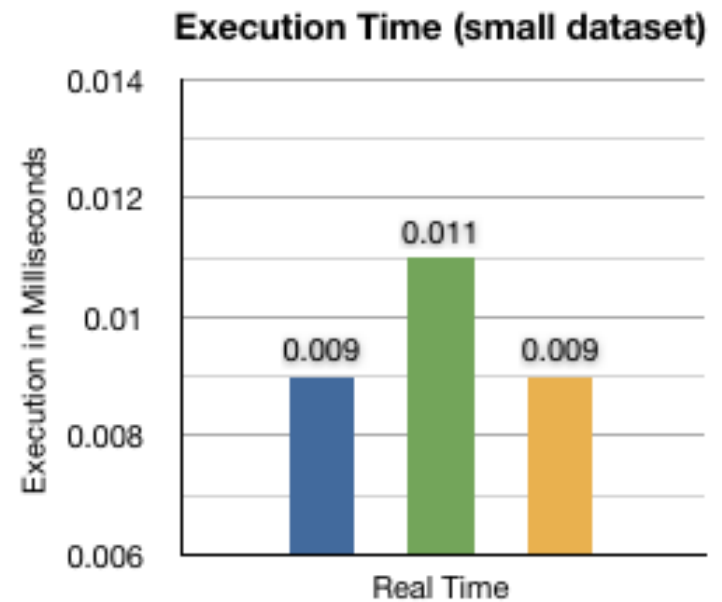
JSON vs XML



JSON vs XML



- JSON to PHP Array
- XML to PHP Pure PHP
- XML to PHP SimpleXML



- JSON to PHP Array
- XML to PHP Pure PHP
- XML to PHP SimpleXML

برامج في تطوير PHP

Wampserver •

<http://www.wampserver.com/en/> •

NetBeans •

<https://netbeans.org/downloads/> •

مصادر للتعلم

- <http://www.tutorialspoint.com/android/index.htm>
- [Beginning Android 4 Application Development](#)
- <http://www.androidhive.info/>
- <http://doc.apsstandard.org/2.1/spec/type-definition/schema/>

للأسئلة

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