

Build & Deploy Our First Web Page



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Module Overview

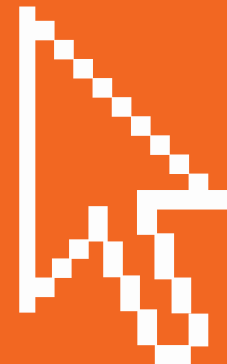
WEB2PY



- Download WEB2PY
- Start Web Server
- Model-View-Controller
- Create our First Web Page
- Request & Response Object
- Deploy Web App to Internet

Demo

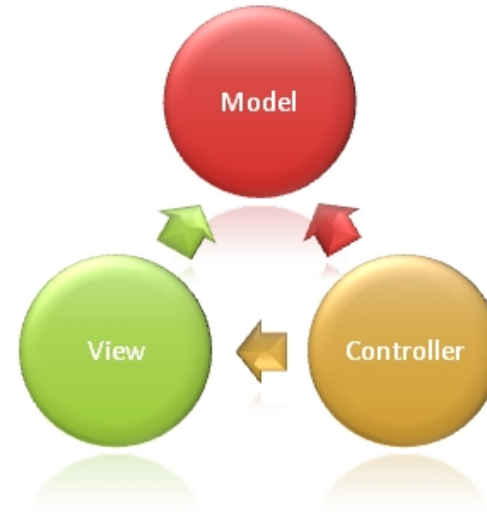
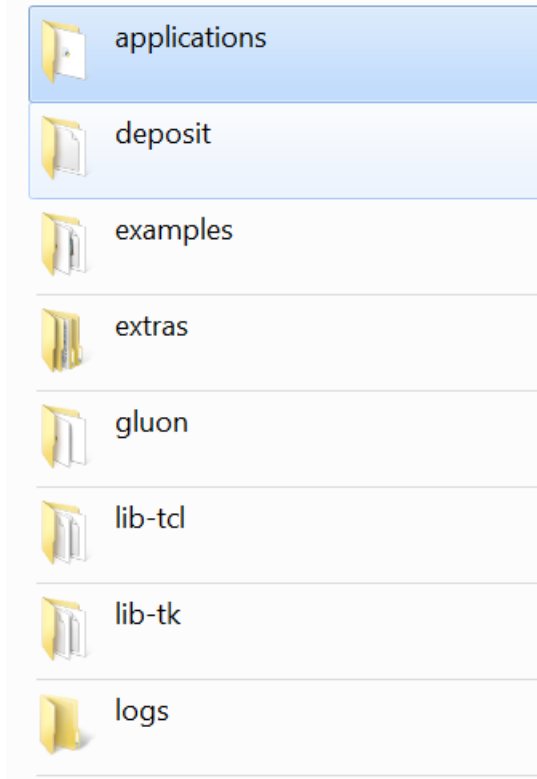
Download WEB2PY & Start Web Server



Build our First Web Page

- Start Web Server
- Set Administrator Password
- Browser Integrated Development Environment (IDE)
- Understand Relationship Between:
 - MVC
 - File Structure
 - URL

MVC – File Structure - URL



URL Mapping:

<http://server/app/cntr/view/args>



MVC Convention

```
def index():  
    response.flash = T("Hello world")  
    return dict(message=T('welcome to web2py!'))
```

web2py™ administrative interface

Views ?

Download layouts from repository

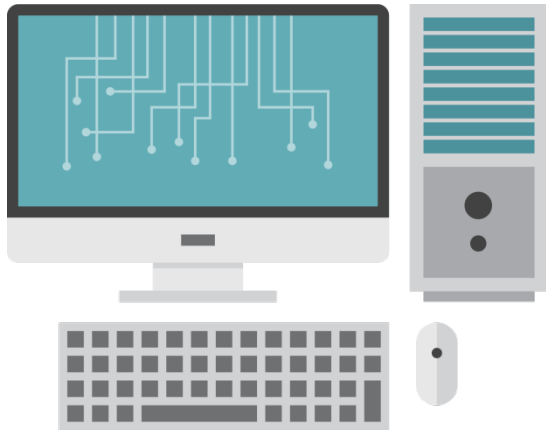
Edit	 __init__.py
Edit	 appadmin.html extends layout.html
Edit	 default/index.html extends layout.html
Edit	 default/user.html extends layout.html
Edit	 generic.html extends layout.html
Edit	 generic.ics

Demo

Build First Web Page



Request Object



Request Arguments & Variables

- Arguments
 - URL
 - `request.args(0)`, `request.args(1)`, ...
- Variables
 - Forms
 - `request.vars.form_name`

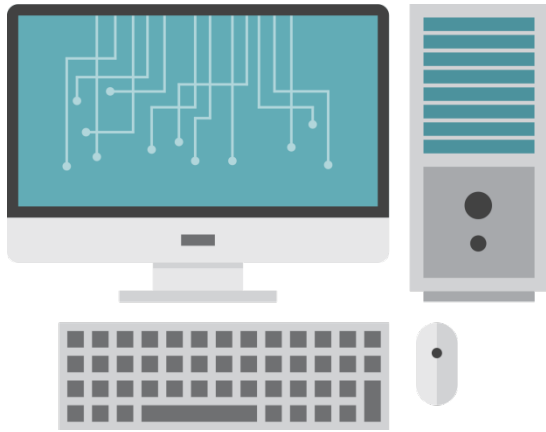
Demo

Request Object

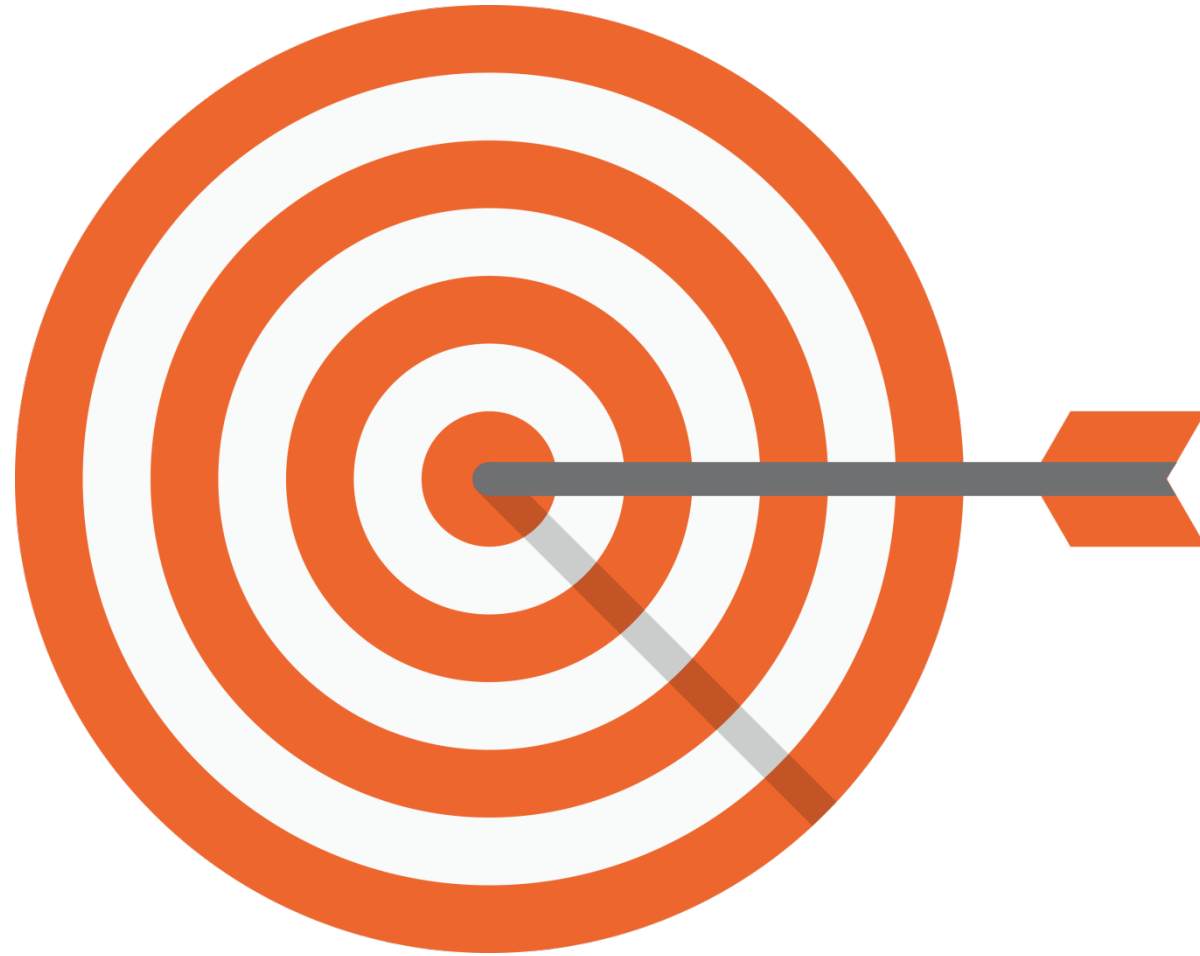
Add Two Numbers



Response Object



Business Rules & Libraries



Deploying WEB2PY Apps

