



http://.../app/default/index:

```
@auth.requires_login()
@auth.requires_membership(role='group')
@auth.requires_permission('read','table',
    'record_id')
@service.xml rss csv json xmlrpc amfrpc
@cache('clave', 3600, cache.ram)
```

```
SQLFORM(table,record=None,deletable=False,
    linkto=URL(...),upload=URL(...),
    fields=[...],labels={},col3={},
    submit_button='Enviar',
    delete_label='Marcar para borrar:',
    id_label='Registro ID',showid=True,**attrs)
```

```
app/models/db.py
db=DAL('sqlite://data.db',pool_size=0)
db.define_table('person',
    db.Field('name','string'))
db.person.name.default='Anónimo'
db.person.name.requires=IS_NOT_EMPTY()
```

```
type='string'
length=64
default=None
required=False
requires=validators
ondelete='CASCADE'
notnull=False
unique=False
label, represent,
comment, widget
readable, writable
uploadfield=None
authorize,autodelete
compute, update
```

- string
- text
- blob
- password
- upload
- boolean
- integer
- double
- date
- time
- datetime
- decimal
- (7,2)

```
app/controllers/default.py
def index():
    form=SQLFORM(db.person)
    if form.accepts(request.vars,session):
        session.flash='registro insertado'
        redirect(URL(r=request,f='index'))
    elif form.errors:
        response.flash='hay errores'
    persons=db(db.person.id>0).select()
    return dict(form=form,persons=persons)
```

- request.cookies
- request.args
- request.vars
- request.get\_vars
- request.post\_vars
- request.client
- request.application
- request.controller
- request.function
- request.folder
- request.env.host\_name
- request.env.path\_info
- request.env...

```
db.table.insert(field=val)
query=db.table.id>5
query=query1&query2
query=query1|query2
db(query).count()
db(query).update(field=val)
db(query).delete()
rows=db(query).select(
    field1, field2, ...,
    left=[db.table.on(query)],
    orderby=field|~field,
    groupby=field|field
    limitby=(0,10),
    distinct=False,
    cache=(cache.ram,5000))
```

```
response.render('view.html',dict(...))
response.xmlrpc(response,[functions])
response.stream(filename,chunk_size)
response.cookies['name']='value'
response.headers['name']='value'
response.view='default/index.html'
response.files.append('http://.../file.css')
response.flash='un mensaje titilante'
response.status=200
response.title='Esta aplicación'
response.subtitle='La mejor'
response.meta.author='usted'
response.meta.keywords='palabras claves'
response.meta.description='algo'
response.menu=[ ['name',False,URL(...),[]], ]
```

```
app/views/default/index.html
{{extend 'layout.html'}}
<h2>Crear Persona</h2>
{{=form}}
<h2>Personas</h2>
<ul>
{{for person in persons:}}
    {{=LI(person.name)}}
{{pass}}
</ul>
```

```
URL(r=request,a='a',c='c',f='f',
    args=[1,2],vars=dict(q=3))
=> '/a/c/f/1/2?q=3'

XML(string,sanitize=False,
    permitted_tags=[..],
    allowed_attributes={...})

BEAUTIFY(object)

T.set_current_languages('es-AR')
T('translation') => 'traducción'

DIV('a',_class='b') =>
    '<div class="b">a</div>'
```

```
CODE('print a',language='web2py'
    o 'python' o 'html' o 'cpp')

HTML BODY SPAN A IMG P CENTER
HEAD TITLE LINK SCRIPT STYLE
META HR BR IFRAME H1 H2 H3 H4 H5
H6 FORM INPUT TEXTAREA LABEL
FIELDSET SELECT OPTION B EM I TT
UL OL LI TABLE THEAD TBODY TFOOT
TH TR TD EMBED OBJECT PRE

"ajax(url,[id1,id2,...],target)"
```

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