Role Based Access Control
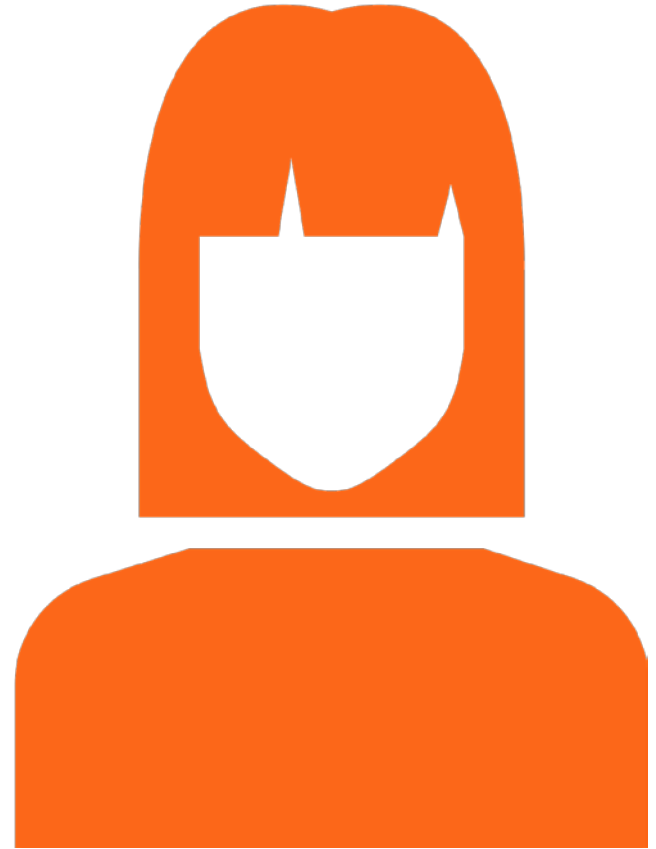
Terry Toy
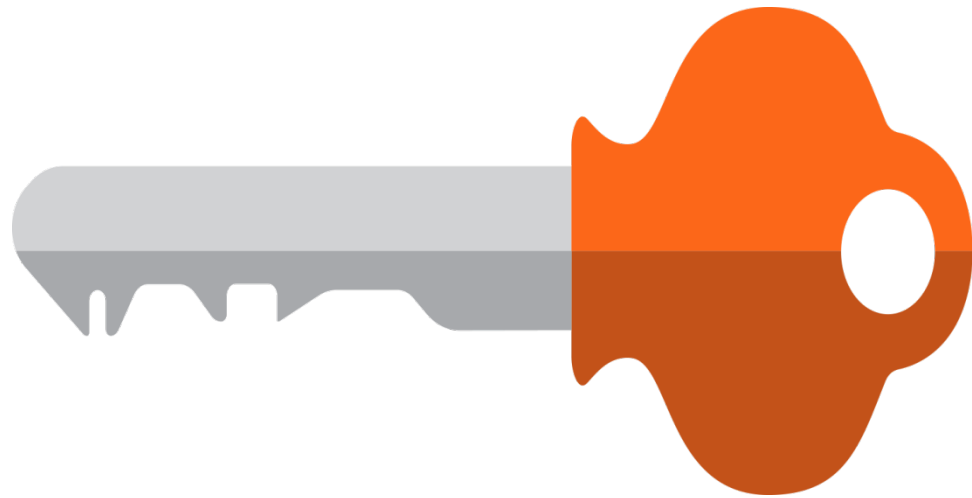
Module Overview

- Accounts

- Security

- Groups

- Access

WEB2PY Role Based Access Control

- Registration (account management)
- Create user groups
- Assign permissions
- Auth user tables

auth_event

id	id	pk
time_stamp	datetime	
client_ip	string	512
user_id	reference auth_user	fk
origin	string	512
description	text	

auth_cas

id	id	pk
user_id	reference auth_user	fk
created_on	datetime	
service	string	512
ticket	string	512
renew	boolean	

auth_user

id	id	pk
first_name	string	128
last_name	string	128
email	string	512
password	password	
registration_key	string	512
reset_password_key	string	512
registration_id	string	512

auth_membership

id	id	pk
user_id	reference auth_user	fk
group_id	reference auth_group	fk

auth_permission

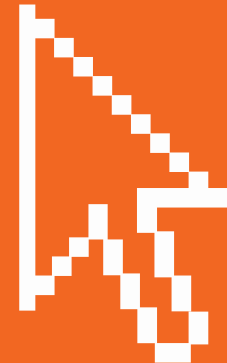| id	id	pk
group_id	reference auth_group	fk
name	string	512
table_name	string	512
record_id	integer	

auth_group

id	id	pk
role	string	512
description	text	

WEB2PY Sample Code

- @auth.requires_membership('admin')
- @auth.requires_login()

Demo

Account Registration

Demo

Access Control
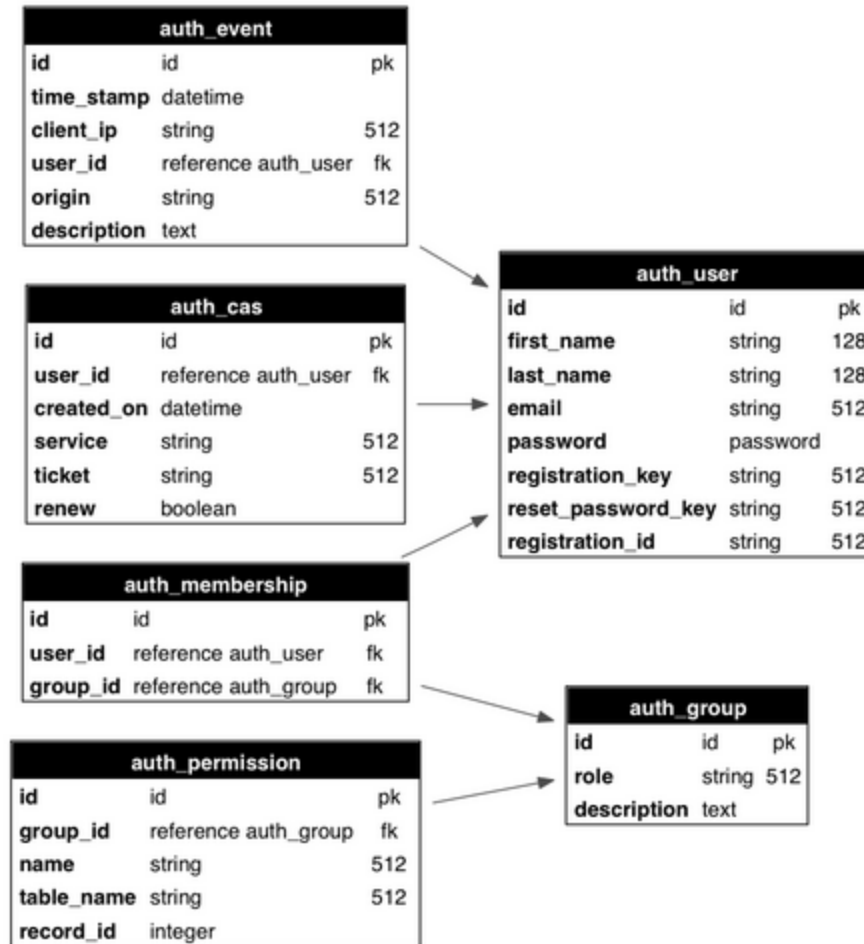
Miscellaneous Topics

- RBAC = DB Tables

- Third Party Authentication

Role Based Access Control = DB Tables

Third Party Authentication

- Google, PAM, LDAP, Facebook, LinkedIn, Dropbox, OpenID

Summary

- Account registration
- Groups, membership
- Sample code
- Demo – Blog Application
- RBAC = DB Tables (customizable)
- Third Party