CIS-355: CodeIgniter

This tutorial uses Cloud9 username: mdroof. You must use your own Cloud9 username. The MySQL username is ci\_crud, not the Cloud9 username.

# Video 1: Setup Cloud9

https://youtu.be/WuUoIHdj1qA

1. Cloud9: go to c9.io and create new PHP workspace called ci\_crud
2. Google (in browser): “grocerycrud” and download stable version (www.grocerycrud.com)
3. Google (in browser): “codeIgniter” and download current version
4. Merge zip files (in Windows) into one zip file called crud.zip (merging the zip files simplifies unzipping process in Cloud9 later)
5. Copy merged zip file to cloud9
6. Unzip (in terminal in Cloud9): **unzip crud.zip**
7. Click: Run project
8. Click on link: https://ci-crud-mdroof.c9.io (You should see "Welcome to CodeIgniter")

# Video 2: Setup MySQL

https://youtu.be/4ym4nyfuGbM

1. Type (in terminal window in Cloud9): **phpmyadmin-ctl install** (This is specific to Cloud9)
2. Click on link to phpmyadmin: https://ci-crud-mdroof.c9.io/phpmyadmin
3. Log in using Username: mdroof (your Cloud9 username), Password: (blank)
4. Click: Users tab
5. Click: Add User (username: ci\_crud, host: localhost, password: password, and check "create database with the same name" and "grant all privileges" checkboxes and "Global privileges (Check all"… then click Go button). You should see new ci\_crud database in left column
6. Click on ci\_crud database in left column
7. Under Create table, enter Name: customers (Enter 4 columns)
8. Create fields as follows: **id**, INT, check A\_I for auto\_increment; **name**, VARCHAR(255); **status**, VARCHAR(255); **image**, VARCHAR(255), check Null, then click Save button

# Video 3: Setup Customers.php Controller

https://youtu.be/EMZff\_UncAs

1. In Cloud9: Edit file: application/config/database.php (‘hostname’ => ‘localhost’, ‘username => ‘ci\_crud’, ‘password’ => ‘password’, ‘database’ => ‘ci\_crud’) Control-s saves file.
2. Open file: application/controllers/examples.php to see sample code
3. Cloud9: rename file: capitalize file name and class of example.php (to Example.php)
4. Create new file: application/controllers/Customers.php
5. Copy first 70 lines of Example.php into Customers.php
6. Add a closing curly brace, }, at end of Customers.php
7. Rename class Examples to Customers
8. Rename function \_example\_output() to function show \_output() (throughout code)
9. Remove all lines code of function offices\_management()
10. Remove all lines code of function offices()
11. Comment out the contents of function index()
12. Rename function employees \_management() to display()
13. Within function display()
    1. Remove line of code containing: set\_theme
    2. Change $crud->set\_table(‘employees’) to $crud‑>set\_table(‘customers’)‑>columns(‘name’,’status’,’image’)
    3. Comment out line of code containing: set\_relation
    4. Change $crud‑>display\_as(‘officeCode’,’Office City’) to $crud‑>display\_as(‘name’,’Customer Name’)‑> $crud‑>display\_as(‘status’,’Customer Status’)‑>$crud‑>display\_as(‘image,’Customer Image’)
    5. Move line of code containing set\_subject above line containing set\_table and change argument from ‘Employee’ to ‘Customer’
    6. Add line after last line containing display\_as: $crud‑>fields(‘name’,’status’.’image’). This shows which fields will be displayed in the views.
    7. Add line right after above: $crud‑>required(‘name’,’status’)
    8. Change line containing set\_field\_upload to $crud‑>set\_field\_upload(‘image’,’assets/uploads/files’)
    9. The function display() should appear as pictured below.
14. Rename file application/models/grocery\_and\_model.php to Grocery\_and\_model.php
15. Open a browser tab and type https://ci-crud-mdroof.c9.io/index.php/customers/display You should see a list screen with Add Customer at the top.
16. Try adding, reading, updating, deleting a customers.
17. Try uploading a picture.



For more info, view grocerycrud documentation API and function list. For example, try function field\_type.

# Video 4: Setup Orders.php Controller

https://youtu.be/o1EqNIqTsAk

1. Open: https://ci-crud-mdroof.c9.io/phpmyadmin
2. Click on database: ci\_crud
3. Create table: orders, with 3 columns, order\_id (INT, auto\_increment), customer\_id (INT), and item (VARCHAR(255))
4. Open Customers.php
5. Copy function display()
6. Rename first function display() to customers()
7. Rename second function display() to orders()
8. Revise the code for orders() as shown below. Be sure to add the set\_relation code.
9. Navigate to https://ci-crud-mdroof.c9.io/index.php/customers/orders to see the results.



To change the links at the top of the application, edit views/errors/example.php