



**ADVANCED WEB PROGRAMMING**  
**INFORMATION TECHNOLOGY DEPARTMENT**  
**INFORMATICS ENGINEERING STUDY PROGRAM**  
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## **MIDTERM TASK**

### **VEGEEBOX**

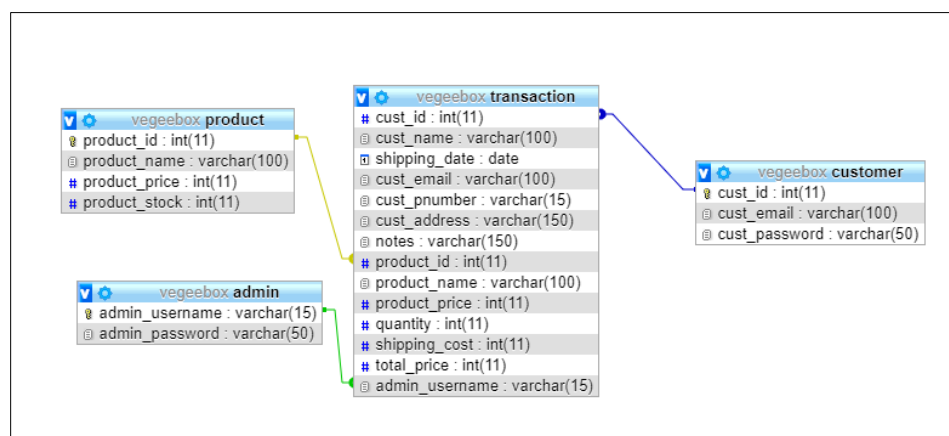
#### **A. Introduction**

VEGEEBOX is a web-based application that is used to order fruit, vegetables, and others online. The purpose of this application is made to make it easier for buyers to get fruits, vegetables and others with healthier organic quality. The buyer can choose which one to buy and pay then put in a shopping basket and immediately the checkout and payment process is carried out.

#### **B. Database**

In VEGEEBOX we have 4 table:

- Product table : used to save data of product and stock
- Admin table : use to save data of admin
- Customer table : use to save data of customer
- Transaction table : use to save data of transaction that has been made



## C. Configuration in CI

### Autoload

```
$autoload['libraries'] = array('grocery_crud','database');
```

```
$autoload['helper'] = array('url');
```

### Config

```
$config['base_url'] = 'http://localhost/vegeebox/';
```

### Database

```
$db['default'] = array(  
    'dsn' => '',  
    'hostname' => 'localhost',  
    'username' => 'root',  
    'password' => '',  
    'database' => 'fruitbox',  
    'dbdriver' => 'mysqli',  
    'dbprefix' => '',
```

## D. Client Side

application > views > example.php

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <meta charset="utf-8" />
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6  <?php
7      foreach($css_files as $file): ?>
8          <link type="text/css" rel="stylesheet" href="<?php echo $file; ?>" />
9      <?php endforeach; ?>
10 </head>
11 <body>
12     <div>
13         <a href='<?php echo site_url('examples/customers_management')?>'>Customers</a> |
14         <a href='<?php echo site_url('examples/orders_management')?>'>Orders</a> |
15         <a href='<?php echo site_url('examples/products_management')?>'>Products</a> |
16         <a href='<?php echo site_url('examples/admin_management')?>'>admin</a> |
17         <a href='<?php echo site_url('examples/vegetables')?>'>Vegetables</a> |
18         <a href='<?php echo site_url('examples/fruit')?>'>Fruit</a> |
19     </div>
20     <div style='height:20px;'></div>
21     <div style="padding: 10px">
22         <?php echo $output; ?>
23     </div>
24     <?php foreach($js_files as $file): ?>
25         <script src="<?php echo $file; ?>"></script>
26     <?php endforeach; ?>
27 </body>
28 </html>
29
30
```

```
application > controllers > Examples.php
1  <?php if ( ! defined('BASEPATH')) exit('No direct script access allowed');
2
3  class Examples extends CI_Controller {
4
5      public function __construct()
6      {
7          parent::__construct();
8
9          $this->load->database();
10         $this->load->helper('url');
11
12         $this->load->library('grocery_CRUD');
13     }
14
15     public function _example_output($output = null)
16     {
17         $this->load->view('example.php',(array)$output);
18     }
19
20     public function offices()
21     {
22         $output = $this->grocery_crud->render();
23
24         $this->_example_output($output);
25     }
26
27     public function index()
28     {
29         $this->_example_output((object)array('output' => '' , 'js_files' => array() , 'css_files' => array()));
30     }
31
32     public function offices_management()
33     {
34         try{
35             $crud = new grocery_CRUD();
```

## E. Controller

```

30 class Grocery_crud_model extends CI_Model {
31
32     protected $primary_key = null;
33     protected $table_name = null;
34     protected $relation = array();
35     protected $relation_n_n = array();
36     protected $primary_keys = array();
37
38     function __construct()
39     {
40         parent::__construct();
41     }
42
43     function db_table_exists($table_name = null)
44     {
45         return $this->db->table_exists($table_name);
46     }
47
48     function get_list()
49     {
50         if($this->table_name === null)
51             return false;
52
53         $select = "`{$this->table_name}`.*";
54
55         //set_relation special queries
56         if(!empty($this->relation))
57         {
58             foreach($this->relation as $relation)
59             {
60                 list($field_name , $related_table , $related_field_title) = $relation;
61                 $unique_join_name = $this->_unique_join_name($field_name);
62                 $unique_field_name = $this->_unique_field_name($field_name);
63
64                 if(strpos($related_field_title, '{'))

```

```

4  class Api extends CI_Controller {
5
6      public function __construct()
7      {
8          parent::__construct();
9          $this->load->model('api_model');
10         $this->load->library('form_validation');
11     }
12
13     function index()
14     {
15         $data = $this->api_model->fetch_all();
16         echo json_encode($data->result_array());
17     }
18
19     function insert()
20     {
21         $this->form_validation->set_rules('admin_username', 'admin_username', 'required');
22         $this->form_validation->set_rules('admin_password', 'admin_password', 'required');
23         if($this->form_validation->run())
24         {
25             $data = array(
26                 'admin_username' => $this->input->post('admin_username'),
27                 'admin_password' => $this->input->post('admin_password')
28             );
29
30             $this->api_model->insert_api($data);
31
32             $array = array(
33                 'success' => true
34             );
35         }
36         else
37         {
38             //form validation failed

```

```

43
44         if($data_action == "Edit")
45         {
46             $api_url = "http://localhost/tutorial/codeigniter/api/update";
47
48             $form_data = array(
49                 'admin_username' => $this->input->post('admin_username'),
50                 'admin_password' => $this->input->post('admin_password'),
51             );
52
53             $client = curl_init($api_url);
54
55             curl_setopt($client, CURLOPT_POST, true);
56
57             curl_setopt($client, CURLOPT_POSTFIELDS, $form_data);
58
59             curl_setopt($client, CURLOPT_RETURNTRANSFER, true);
60
61             $response = curl_exec($client);
62
63             curl_close($client);
64
65             echo $response;
66
67
68
69
70
71
72
73         }
74
75         if($data_action == "fetch_single")
76         {
77             $api_url = "http://localhost/tutorial/codeigniter/api/fetch_single";

```

