



Online Mobile shopping System

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Agendas



- Identify problems
- Plan Project Schedule
- Plan Database Design
- Implement Database Design
- Plan User Interface
- Implement Front End: Client Side Scripting
- Implement Back End: Server side Scripting
- Discuss Site Navigation tree
- Conclusion

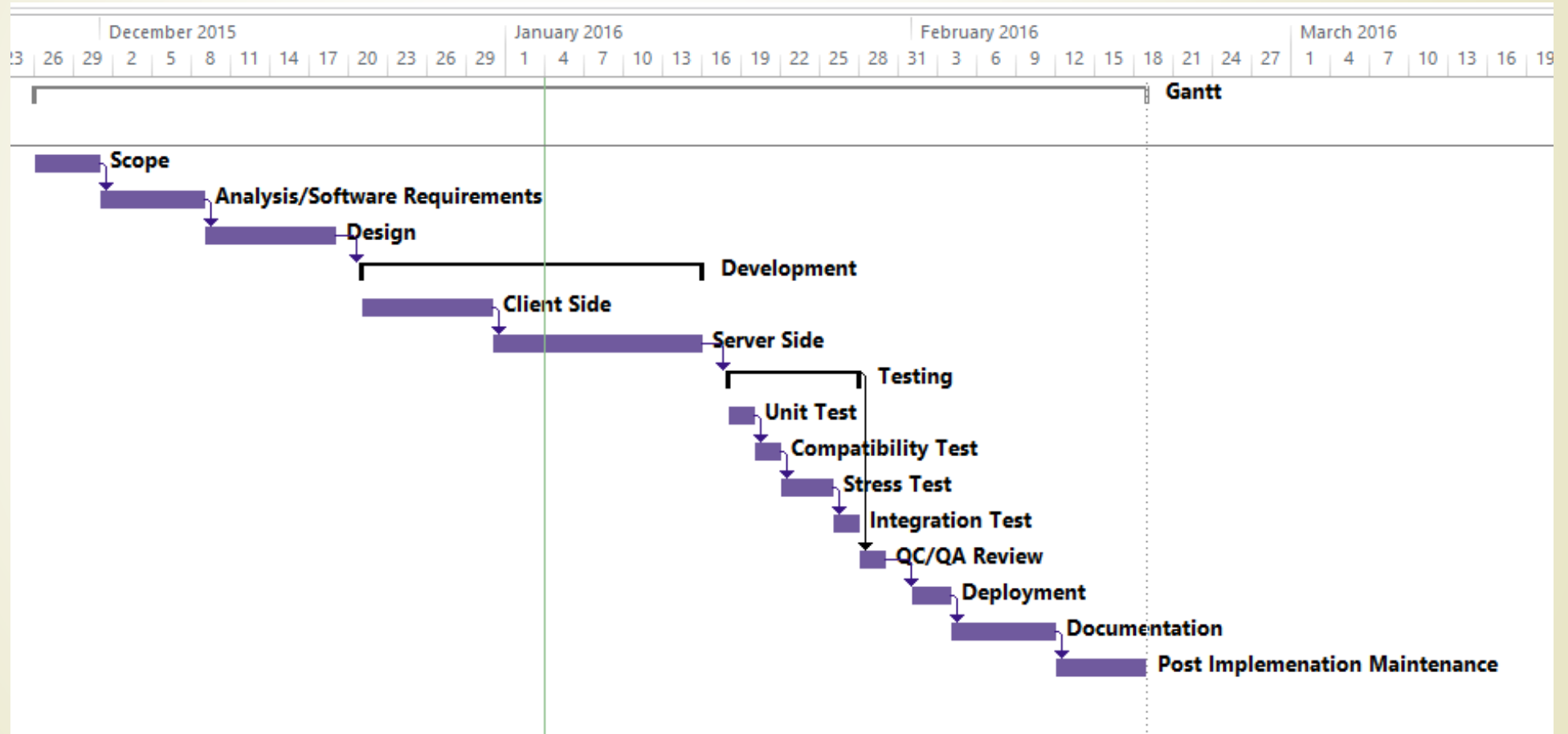


Problems: Project Description

Web Application for online mobile shopping system should consists of:

- ▶ Home page, about us page and blogs
- ▶ Home page should display all brands and featured items
- ▶ Application should have admin and client module
- ▶ Admin dashboard should be accessed by admins after authentication
- ▶ Admin should be able to manage brands, users, products
- ▶ Client should be able to view brands, user and products as well as cart
- ▶ Client should able to complete purchase after login
- ▶ Client should have access to query/feedback form

Gantt Chart: illustrates a project schedule





Use case

A practice **used** in system investigation to recognize, explain, and form system requirements.

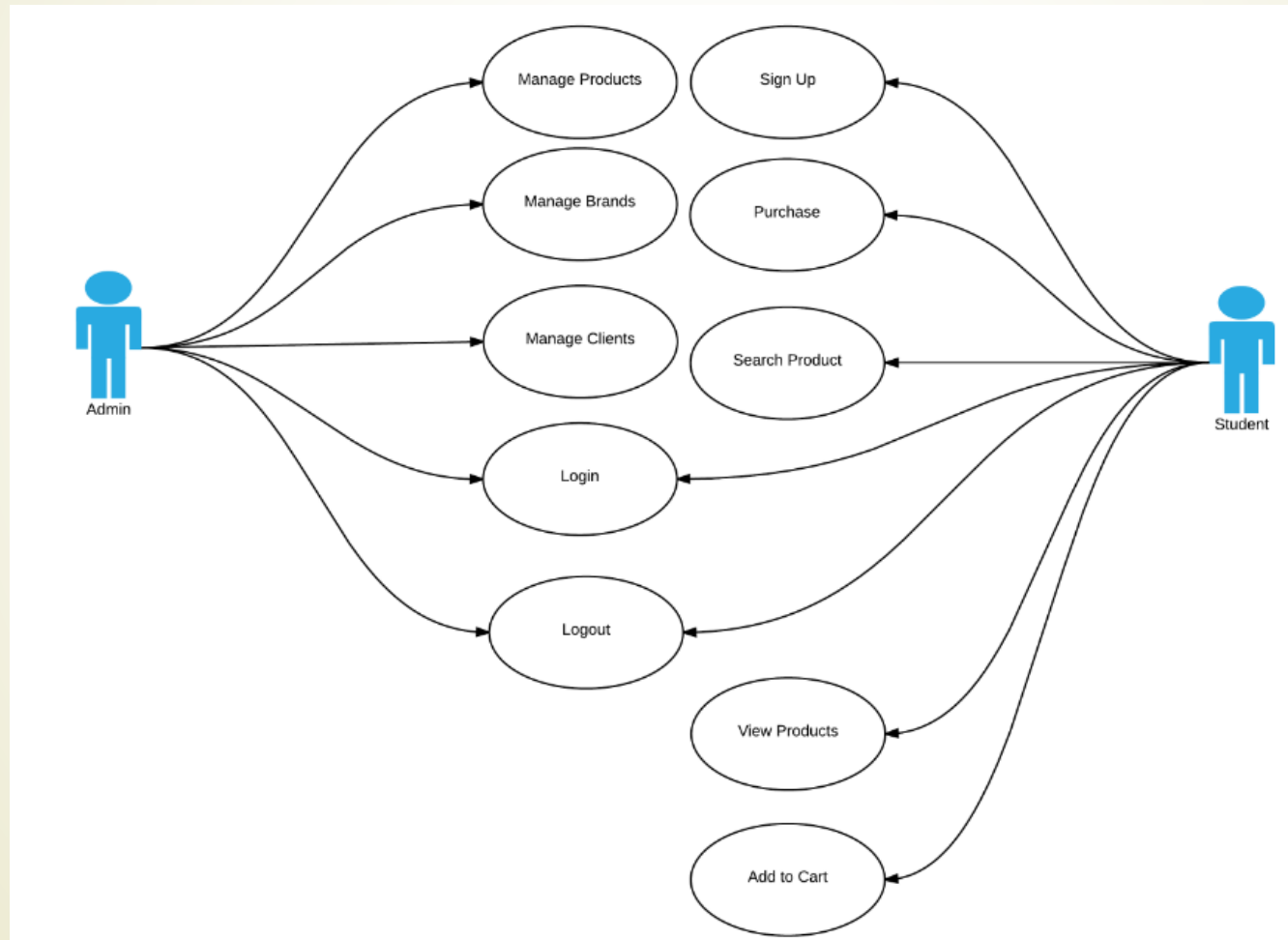
Benefits


- ▶ complete summary of the full software structure in a single diagram.
- ▶ Easy to understand, non technical users can understand the structure
- ▶ Helps in cost estimation, project planning, test case preparation etc.
- ▶ Helps identifying refined alternative requirements

Limitation

- ▶ Does not illustrate non-functional requirements
- ▶ It does not ensures requirement clarity, requirement analysis depends on the skills of use case designer
- ▶ Use case should not necessarily reflect UI layers, which makes it difficult to visualized

Use case Diagram: for project





Schema Diagram:

helps database analyst to plan database in paper

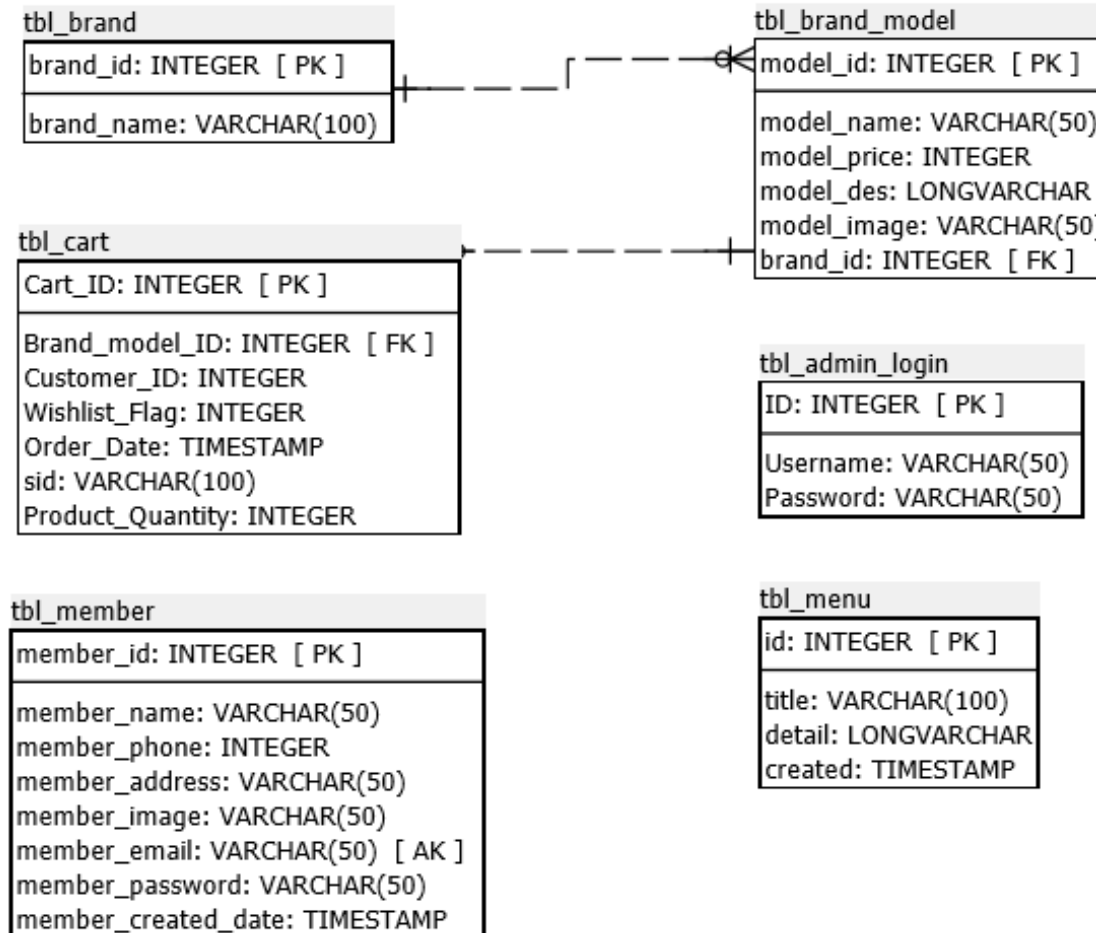
Benefits

- ▶ Helps to list all required objects and their attributes
- ▶ Easy illustration of objects relationships
- ▶ Conversion of schema to actual database system is very simple

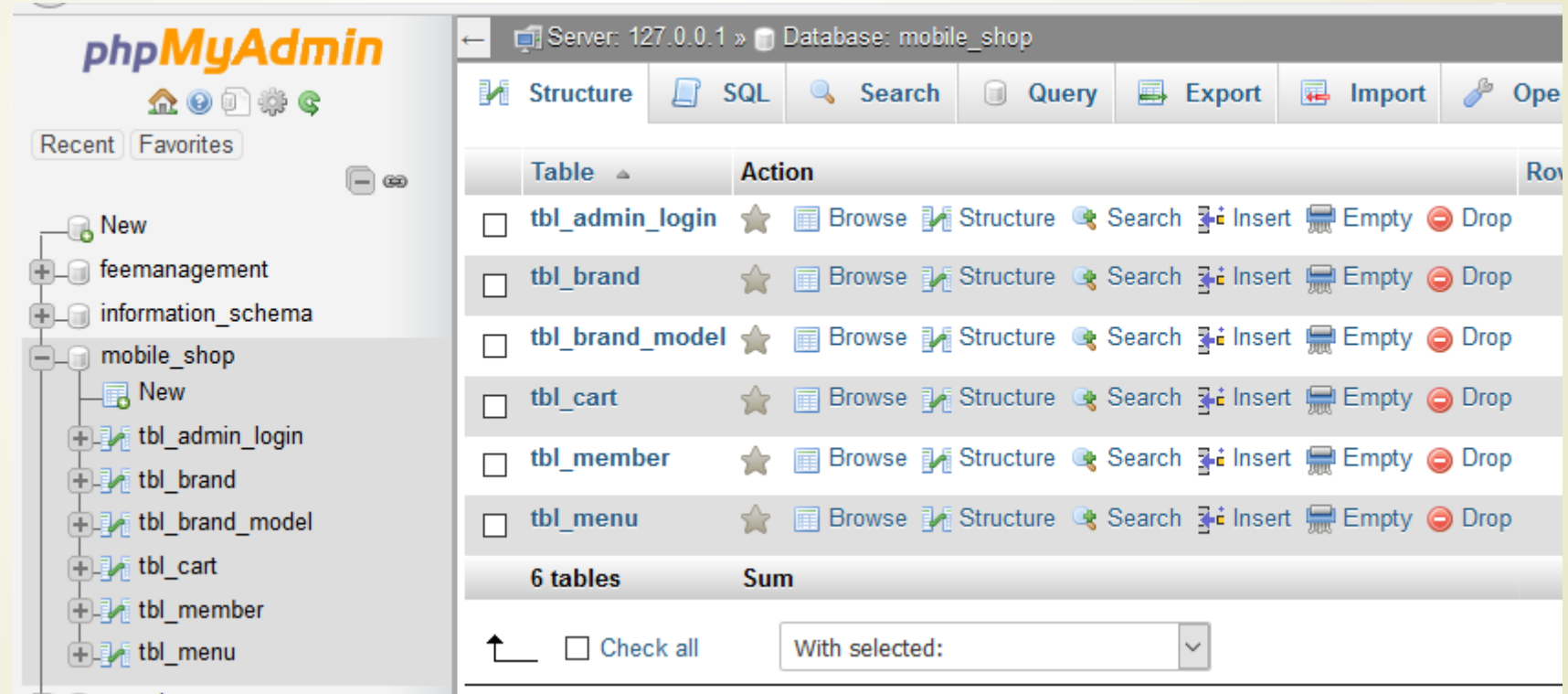
Limitations

- ▶ There are no standard available to follow while designing schema diagram
- ▶ It is not an actual implementation but is just a reference for real database system

Database Design Plan: Schema Diagram



Database Design: Phpmyadmin for project



The screenshot displays the phpMyAdmin web interface. On the left, a tree view shows the database structure, with 'mobile_shop' selected. The main panel shows the 'Structure' tab for the 'mobile_shop' database. It lists six tables: tbl_admin_login, tbl_brand, tbl_brand_model, tbl_cart, tbl_member, and tbl_menu. Each table has a set of actions: Browse, Structure, Search, Insert, Empty, and Drop. At the bottom, there is a 'Check all' checkbox and a 'With selected:' dropdown menu.

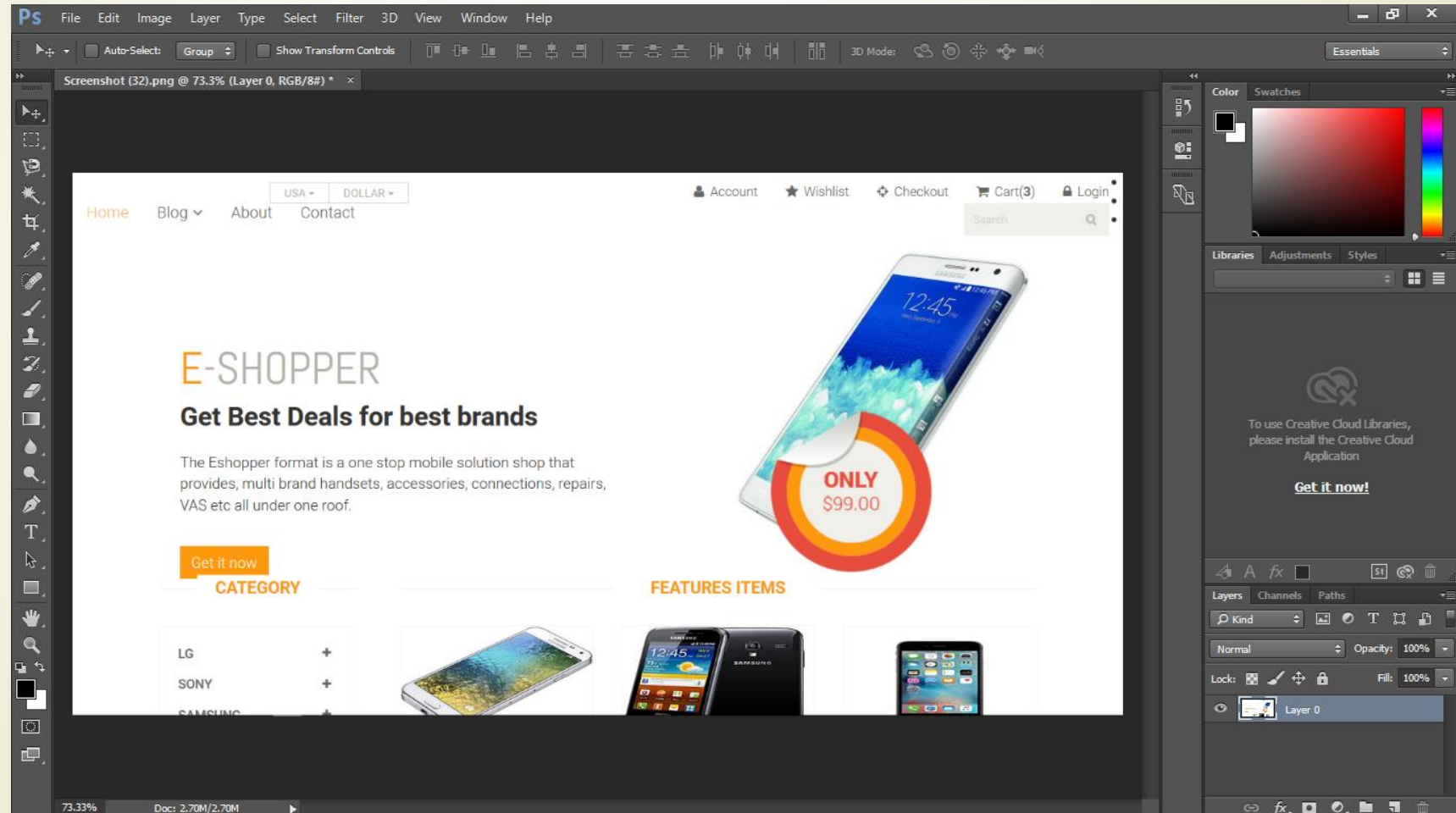
Server: 127.0.0.1 » Database: mobile_shop

Structure SQL Search Query Export Import Open

Table	Action
<input type="checkbox"/> tbl_admin_login	★ Browse Structure Search Insert Empty Drop
<input type="checkbox"/> tbl_brand	★ Browse Structure Search Insert Empty Drop
<input type="checkbox"/> tbl_brand_model	★ Browse Structure Search Insert Empty Drop
<input type="checkbox"/> tbl_cart	★ Browse Structure Search Insert Empty Drop
<input type="checkbox"/> tbl_member	★ Browse Structure Search Insert Empty Drop
<input type="checkbox"/> tbl_menu	★ Browse Structure Search Insert Empty Drop
6 tables	Sum

↑ ☐ Check all With selected: ▼

User Interface Design: Photoshop



Client side scripting: HTML, CSS, JavaScript

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta name="description" content="">
  <meta name="author" content="">
  <title>Home | E-Shopper</title>
  <link href="css/bootstrap.min.css" rel="stylesheet">
  <link href="css/font-awesome.min.css" rel="stylesheet">
  <link href="css/prettyPhoto.css" rel="stylesheet">
  <link href="css/price-range.css" rel="stylesheet">
  <link href="css/animate.css" rel="stylesheet">
  <link href="css/main.css" rel="stylesheet">

```

```
h1, h2, h3, h4, h5, h6 {
  font-family: 'Roboto', sans-serif;
}

.btn:hover,
.btn:focus{
  outline: none;
  box-shadow: none;
}

.navbar-toggle {
  background-color: #000;
}

a#scrollUp {
  bottom: 0px;
  right: 10px;
  padding: 5px 10px;
}
```

```
if (confirm('Are you sure want to delete this product?'))
{
  return true;
}
else{
  return false;
}
}
```

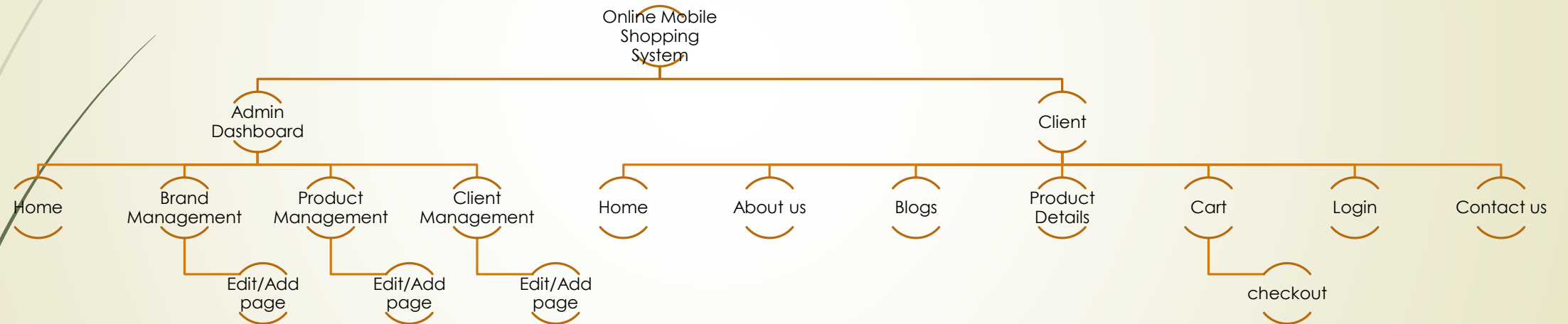
Server side scripting: PHP

```
<?php

$sql=$obj->view_products();
while($row=mysql_fetch_array($sql)){
?>
<tr>
  <td><?php echo $row[1] ?></td>
  <td><?php echo $row[2] ?></td>
  <td><?php echo $row[4] ?></td>
  <td></td>
  <td><?php echo $row[5] ?></td>
  <td><a href = "home.php?page=edit_product&id=<?php echo $row[0]?>">Edit </a> | <a onclick="return validate()"
href="home.php?page=del_products&id=<?php echo $row[0]?>"> Delete </a></td>
</tr>

<?php } ?>
</table>
```

Site Navigation Map





Conclusion



- Use case diagram is utilized to understand and plan functional system requirements at very high level
- Schema diagram is utilized to plan relational database system and
- Schema diagram acts as reference for actual database implementation using Phpmyadmin
- Photoshop is utilized to design user interface
- HTML, CSS and JavaScript is utilized for front end implementation
- PHP scripting is utilized for back end implementations
- Whole online system structure is demonstrated using site navigation tree