P21 Web App

Deliverable 4

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Software Development Year 2

Data Driven Systems

Deliverable 4

Contents

Introduction

The purpose of this document is to outline the functionality and usability of the MVC Web Application created for the Data Driven Term Assignment.

The name of this application is **P21** (Project 2021). Its purpose is to demonstrate the use of a PHP MVC Framework by using Models, Views and Controllers.

Implementation & Progress

Customer

The following functionality is available for users logged in as CUSTOMER.

Note: The 'My Account' and 'Messages' items and sub-items are using the default setup and functionality provided in the Framework (Version 8).

1. **Login**
2. **Dashboard**
    - **2.1. View Projects**
    - **2.2. Add Project**
    - **2.3. Delete Projects**
3. **My Account**
    - **3.1. Edit Details**
    - **3.2. Password Change**
4. **Messages**
    - **4.1. Live Chat**
    - **4.2. View**
    - **4.3. Send**
    - **4.4. Delete**
5. **Logout**

Admin

The following functionality is available for users logged in as ADMIN.

Note: The 'Manage Users' item and sub-item is using the default setup and functionality provided in the Framework (Version 8).

1. **Login**
2. **Manage Projects**
    - **2.1. View Projects**
    - **2.2. Delete Projects**
3. **Manage Users**
    - **3.1. Register Customer**
4. **Logout**

Instructions & Demonstration

Customer

The following applies for users logged in as CUSTOMER.

Note: The 'My Account' and 'Messages' items and sub-items were not included as they are using the default setup and functionality provided in the Framework (Version 8).

Logging In

To log in, the user must enter an existing account ID (e.g. CUST001).

Test accounts and test data has been created for CUST001, CUST002 and CUST003. Test accounts use the hash encrypted password 'Password1'.

Login page:

Dashboard

The Dashboard is used to access the project management menu items.

Dashboard page:

Viewing Projects

To view their personal projects, users need to click on 'View Projects' from the Dashboard.

The app then retrieves and displays the projects for the current user.

View Projects page:

Adding a New Project

To add a new project, users need to click on 'Add Project' from the Dashboard.

The user is presented with a form to enter their new project details. After filling in the form and clicking on the 'Add Project' button, the result appears on the 'Information' panel.

Add Project page:

Add Project page after a new project has been added:

Deleting a Project

To delete a project, users need to click on 'Delete Project' from the Dashboard.

The user is presented with a form to enter the ID of the project they wish to delete. A list of their projects is also displayed in the middle panel for reference.

After entering the project ID and clicking on the 'Delete Project' button, the result appears on the 'Information' panel.

Delete Project page:

Delete Project page after a project has been deleted:

Delete Project page after an error occurs while deleting a project:

Admin

The following instructions applies for users logged in as ADMIN.

Note: The 'Manage Users' item and sub-item were not included as they are using the default setup and functionality provided in the Framework (Version 8).

Logging In

To log in, the admin must enter the existing test admin account with ID 'ADMIN' and password 'Password1'.

Login page:

Manage Projects

The Manage Projects page is used to access the admin's project management menu items.

Manage Projects page:

Viewing Projects

To view all user's projects, admins need to click on 'View Projects' from the 'Manage Projects' parent menu. The app then retrieves and displays all user's projects.

View Projects page:

VIEWPROJECTS	Home Delete Project Log Out		

All Projects

projectID	name	description	userID
1	Gardening	Garden stuff	CUST001
2	Web App	My new web application	CUST001
3	Yoga Classes	Weekly yoga schedule	CUST001
4	Data Science Course	Weekly python course schedule	CUST002
5	College Tasks	College related tasks	CUST002
6	Cooking Classes	Weekly cooking class schedule	CUST003
7	Python	Learn more about Python	CUST002
9	Business Idea	Create a business proposal document	CUST001

Deleting a Project

To delete a project, admins need to click on 'Delete Project' from the 'Manage Projects' parent menu.

The admin is presented with a form to enter the ID of the project they wish to delete. A list of all user's projects is also displayed in the middle panel for reference.

After entering the project ID and clicking on the 'Delete Project' button, the result appears on the 'Information' panel.

Delete Project page:

DELETEPROJECT	Home View Projects Log Out		

Delete Project

Project ID

[Delete Project]

All Projects

projectID	name	description	userID
1	Gardening	Garden stuff	CUST001
2	Web App	My new web application	CUST001
3	Yoga Classes	Weekly yoga schedule	CUST001
4	Data Science Course	Weekly python course schedule	CUST002
5	College Tasks	College related tasks	CUST002
6	Cooking Classes	Weekly cooking class schedule	CUST003
7	Python	Learn more about Python	CUST002
9	Business Idea	Create a business proposal document	CUST001

Information

Enter the ID of the project you want to delete.

Delete Project page after a project has been deleted:

Delete Project page after an error occurs while deleting a project:

Test Data

Customer

Test accounts and project test data has been created for CUST001, CUST002 and CUST003. Test accounts use the hash encrypted password 'Password1'.

Admin

An Admin test account is available with ID 'ADMIN' and password 'Password1'.

Final Notes

My initial specification for this project, included several features that were not implemented in this final version. This was due to the complexity of the project and the difficulties I encountered while implementing the intended features.

However, I feel that through this project, I have learned several very important skills. Namely understanding the concept of an MVC framework and working with multiple technologies at once (PHP, HTML, Bootstrap, JavaScript and SQL).