

P21 Web App

Deliverable 4



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Software Development Year 2

Data Driven Systems

Deliverable 4

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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:

[LOGIN](#) [Home](#)

Login Form

ID

CUST001

Password

Login

Result

Please enter your login details. Login attempts=0

Dashboard


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

Dashboard page:

[DASHBOARD](#) [Home](#) [View Projects](#) [Add Project](#) [Delete Project](#) [Log Out](#)

P21 Dashboard

Welcome to your P21 Dashboard! From here, you can manage your projects.



Getting Started

To get started, select one of the options from the navigation bar.

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:

VIEWPROJECTS Home Add Project Delete Project Log Out			
Your 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

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:

ADDPROJECT Home View Projects Delete Project Log Out	
<div><h3>New Project Details</h3><p>Project Name</p><input type="text"/><p>Project Description</p><input type="text"/><p>Add Project</p></div>	<div><h3>Information</h3><p>Enter new project details in form</p></div>

Add Project page after a new project has been added:

ADDPROJECT Home View Projects Delete Project Log Out	
<div><h3>New Project Details</h3><p>Project Name</p><input type="text"/><p>Project Description</p><input type="text"/><p>Add Project</p></div>	<div><h3>Information</h3><p>Your new project was added successfully!</p></div>

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:

The screenshot shows the 'DELETEPROJECT' web application interface. It has a navigation bar with 'Home', 'View Projects', 'Add Project', and 'Log Out'. The main content area is divided into three panels:

- Delete Project:** Contains a 'Project ID' input field and a 'Delete Project' button.
- Your Projects:** A table listing projects with columns: projectID, name, description, and userID.
- Information:** A text box with the instruction: 'Enter the ID of the project you want to delete.'

projectID	name	description	userID
1	Gardening	Garden stuff	CUST001
2	Web App	My new web application	CUST001
3	Yoga Classes	Weekly yoga schedule	CUST001
8	My new project	My project Description	CUST001
9	Business Idea	Create a business proposal document	CUST001

Delete Project page after a project has been deleted:

This screenshot shows the same interface as before, but the 'Information' panel now displays a success message: 'The project was deleted! Please refresh the page to update the table.' This message is circled in red.

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

This screenshot shows the same interface, but the 'Information' panel displays an error message: 'Error: Project could not be deleted. Please try again.' This message is circled in red.

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:

[LOGIN](#) [Home](#)

Login Form

ID

Password

Login

Result

Please enter your login details. Login attempts=0

Manage Projects


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

Manage Projects page:

[MANAGEPROJECTS](#) [Home](#) [View Projects](#) [Delete Project](#) [Log Out](#)

Manage Projects

Welcome! From here, you can manage all user's projects.



Getting Started

To get started, select one of the options from the navigation bar.

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																																						
<div>Delete Project</div> <div>Project ID</div> <input type="text"/> <div>Delete Project</div>	<div>All Projects</div> <table> <tr> <th>projectID</th><th>name</th><th>description</th><th>userID</th></tr> <tr> <td>1</td><td>Gardening</td><td>Garden stuff</td><td>CUST001</td></tr> <tr> <td>2</td><td>Web App</td><td>My new web application</td><td>CUST001</td></tr> <tr> <td>3</td><td>Yoga Classes</td><td>Weekly yoga schedule</td><td>CUST001</td></tr> <tr> <td>4</td><td>Data Science Course</td><td>Weekly python course schedule</td><td>CUST002</td></tr> <tr> <td>5</td><td>College Tasks</td><td>College related tasks</td><td>CUST002</td></tr> <tr> <td>6</td><td>Cooking Classes</td><td>Weekly cooking class schedule</td><td>CUST003</td></tr> <tr> <td>7</td><td>Python</td><td>Learn more about Python</td><td>CUST002</td></tr> <tr> <td>9</td><td>Business Idea</td><td>Create a business proposal document</td><td>CUST001</td></tr> </table>	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	<div>Information</div> <div>Enter the ID of the project you want to delete.</div>
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1	Gardening	Garden stuff	CUST001																																			
2	Web App	My new web application	CUST001																																			
3	Yoga Classes	Weekly yoga schedule	CUST001																																			
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7	Python	Learn more about Python	CUST002																																			
9	Business Idea	Create a business proposal document	CUST001																																			

Delete Project page after a project has been deleted:

DELETEPROJECT [Home](#) [View Projects](#) [Log Out](#)

Delete Project

Project ID

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

The project was deleted! Please refresh the page to update the table.

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

DELETEPROJECT [Home](#) [View Projects](#) [Log Out](#)

Delete Project

Project ID

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

Information

Error: Project could not be deleted. Please try again.

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).