

# COMPX225 Project Deliverable 2

**Due: Sunday, 28 September 2025, 11:59 PM**

In this project, you will build a small website that connects to a database. The project will consist of designing a database, creating and populating its tables, writing queries to retrieve information, and designing and implementing a website that interacts with the database. The database will be implemented using MySQL, and the website will be implemented using HTML, CSS, JavaScript, and PHP.

The project has three deliverables. For Deliverable 2, you will work **independently**. This document contains the details for Deliverable 2 only. You will receive additional information concerning the final deliverable later.

## **The Scenario:**

Kiwi Kloset is a costume rental company located in Hamilton, New Zealand. For more background information on Kiwi Kloset, refer to Deliverable 1. Kiwi Kloset have accepted a simplified database design so that they can get started with a website prototype. The database (*kiwi\_kloset.sql*) is available on Moodle.

For this deliverable you will create a website for Kiwi Kloset consisting of three pages, using HTML, CSS, JS (optional), and PHP. You should ensure all code is formatted tidily and is easily readable, with comments and appropriate indentation.

The website is for Kiwi Kloset staff and should fulfill three main functions – show a list of all costumes in the database, show all rentals based on a given costume id, and allow for new costumes to be added to the database.

## **What you need to do for Deliverable 2:**

1. Download *kiwi\_kloset.sql* from Moodle and upload it to your database using phpMyAdmin.
2. Create a website with three **php** pages (*index.php*, *rentals.php*, *add.php*), and one additional php file (*db.php*) for connecting to the MySQL database. You may have additional files for your website as you see fit. For example, images or a css file for styling. Your folder structure should be sensible and tidy.
3. The *index.php* page should:
  - a. Display the company name and instructions telling the Kiwi Kloset staff members how to use this webpage.

- b. Query the database for a list of all costumes, then display them in a table.
  - c. Have a form that allows the staff member to input a costume id, then sends that id in a **GET** request to *rentals.php*.
  - d. Have a form that allows the staff member to input all properties for a new costume, then sends that information in a **POST** request to *add.php*.
4. The *rentals.php* page should:
  - a. Query the database for a list of all rentals for the costume id that was given through the **GET** request, then display that list of rentals in a table.
  - b. Provide a link for the staff member to return to the index page.
5. The *add.php* page:
  - a. Query the database to insert a new row to the costume table, based on the information that was given through the **POST** request. Display the information for the new costume.
  - b. Provide a link for the staff member to return to the index page.
6. This website will be used as a tool for Kiwi Kloset staff. As such, the styling should be clean and professional and should be consistent throughout the website. Include a navigation bar on each page.
7. Ensure the website nicely handles situations where database queries fail, or when the query returns no data.

### Submission:

Compress your website files into a single file and submit it to Moodle by the due date.

### Marking Scheme:

Your website will be assessed on Firefox in the R block lab. Make sure that you have tested your code in this environment.

The assessment will be marked out of 100, as follows:

<i>kiwi_kloset.sql</i> uploaded to database and <i>db.php</i> connects to database	10
<i>index.php</i> page meets requirements	25
<i>rentals.php</i> page meets requirements	15
<i>add.php</i> page meets requirements	15
Professional and consistent styling and navigation bar	10
Website handles when queries fail or return no data	10
Sensible folder structure	5
Code formatting and comments	10
<b>Total</b>	<b>100</b>