THE INDEPENDENT
INSTITUTE OF
IIE EDUCATION

Assessment Addendum

MODULE CODE:	CLDV6212
MODULE NAME:	Cloud Development B

PURPOSE OF THIS ADDENDUM
ADDENDUM TO POE Part 3 Dear Lecturer and Student, While reviewing the assessments for this module we realised that adjustments were needed to some aspects of Part 3 of the Porfolio of Evidence. In particular, the original instruction required you to recreate a SQL database. This was considered a step back and as such we will be amending the POE as shown on the next pages. The changes will include the creation of a login server using SQL as well as the implementation of a Cart System for Part 3. Please accept our apologies for these changes and any inconvenience or confusion they may have caused. Kind regards, Mick Gouweloos The IIE Faculty of ICT Date: 19 September 2025

A.   Create an Azure SQL database

To ensure that your web application uses centralised data storage and allows for analysis of data, you are required to create an Azure SQL database:

- *The database must store customer information, product information, and order information.*

- *You are also required to create a replica of your database to a different region, and to provide a written motivation as to why a replica database would be necessary.*

- *Provide screenshots of the process for creating your Azure SQL database, as well as screenshots for creating a replica of your database.*

A.   Create an Azure SQL login database

1. To ensure that your web application is able to allow login for a customer as well as an admin you need to create a login server to authenticate to:

- The database must store customer information, login details as well as their role.

- You are required to authenticate to the server from your ABCretail web application.

- Provide screenshots of the process for creating your SQL database hosted on Azure, as well as successfully logging in. Ensure that you create and provide details for a customer and admin when submitting.

2. To facilitate order processing and ensuring customers are able to add products that they would like to purchase they need a cart that they can add products to and confirm orders from.

- Ensure the cart is linked to the correct customer
- Create a completed order with a status when the order is placed.
- Allow administrators to update the order status to PROCESSED when complete.

Please see an updated Rubric to facilitate these changes:

Rubric 3 (for POE Part 3)	Marking Ranges				Comments
	Excellent	**Good**	**Developing**	**Poor**	
• An Azure SQL database has been implemented with the following: • The DB stores customer information, login details and roles. • The web app successfully authenticates to the server • Screenshots for the Azure SQL database and logging in as a user and admin.	**16 – 20**	**11 - 15**	**6 – 10**	**0 - 5**	
• The Web app has a cart system to store orders • Customer are able to add to the cart and process • Administrators are able to see orders and process (change the status)	**16 – 20**	**11 - 15**	**6 – 10**	**0 - 5**	
• The web application is deployed to an Azure App Service and runs correctly in the online environment. The web application incorporates the functionality as specified in POE Parts 1, 2 and 3. • Lecturer feedback has been addressed • Screenshots of the Azure deployment process are provided. • URL is provided and accessible in a web browser.	**16 – 20**	**11 - 15**	**6 – 10**	**0 - 5**	
• A comprehensive report documents the technology choices for the web application • All components are correctly identified in the table • Each row lists a different component, with an explanation of the services, technology choices and hosting models for each	**16 – 20**	**11 - 15**	**6 – 10**	**0 - 5**	
• Clear and convincing motivation for the Azure Services used in the web application and their suitability to meet the application requirements. • At least 6 specific application requirements are listed	**8-10**	**5-7**	**2-4**	**0-1**	

Rubric 3 (for POE Part 3)	Marking Ranges				Comments
	Excellent	Good	Developing	Poor	
• For each application requirement a detailed motivation is provided for the Azure Service that was used • It is clear from the motivations why the chosen Azure Services were valid choices for implementing the web application					
• Clear and convincing motivation for alternative Azure Services and why they would be viable alternatives to meet the web application requirements. • Viable alternatives are identified for at least 4 specific application requirements • For each application requirement a detailed motivation is provided to show why the alternative Azure Service would be a viable option • It is clear from the motivation why the alternative Azure Services were selected and why they could have been valid choices	8-10	5-7	2– 4	0 - 1	
POE Part 3 Subtotal					**/100**

END OF ADDENDUM