CLDV6211 POE PART 2

Submission

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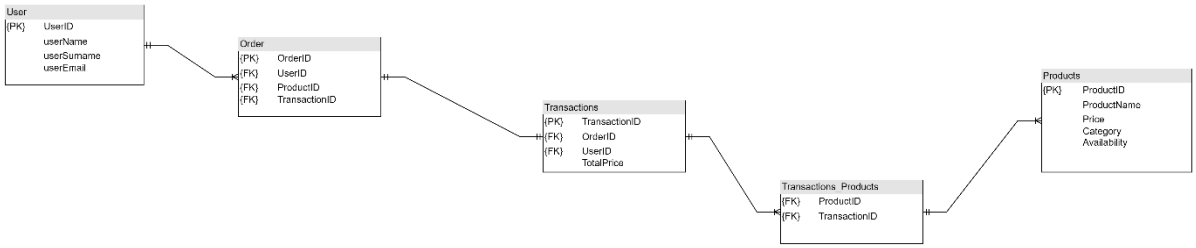
CLDV6211

QUESTION 1

ENTITY RELATIONSHIP DIAGRAM FOR CLOUD DEV DB



QUESTION 2

Site URL: https://st10178800-p2.azurewebsites.net

GitHub Link: https://github.com/OnelloTarjanne22/CLDV6221POEPART2.git

Creating Database

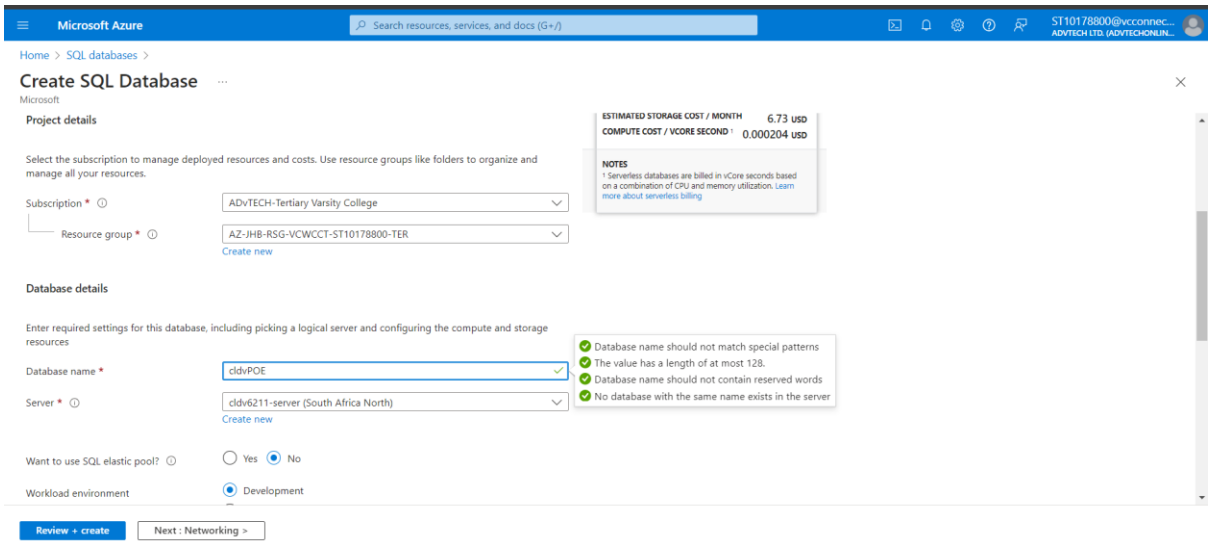


Figure 1 Creation of SQL Database

When a database is created, it is important that it is linked to a server, as it is essential for efficient data storage, retrieval and providing persistent storage through constraints and transactions. It enhances performance with optimization and offers robust security measures like authorization, and encryption. Databases also create centralized data management, enabling consistent access and advanced data analysis for reporting and business intelligence, which are crucial for scalable and reliable application operations. To deploy a database on Azure, we first create an Azure SQL Database by navigating to the Azure portal, selecting the "Create a resource" tab and choosing "SQL Database." After selection we configure the database settings, including the server, database name, and performance tier(Basic is the most cost efficient). Next, we set up the SQL Server by providing a unique name, region, and the admin credentials(Password and user). After deployment, configure the firewall settings to allow access from your IP address or Azure services. For this project the

platform , SQL Server Management Studio (SSMS),was used to connect to the database and migrate data.

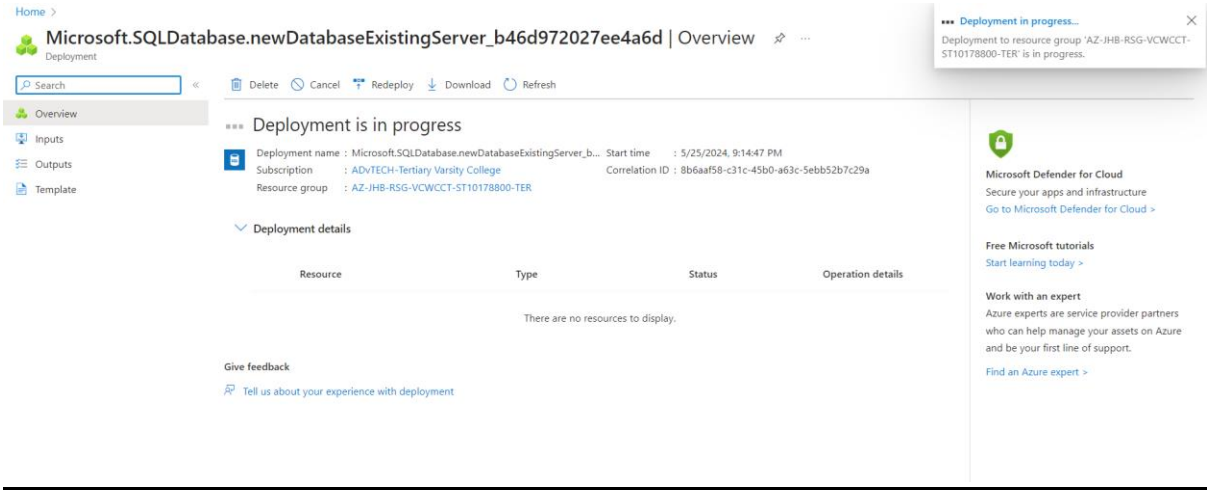


Figure 2 Database Deployment

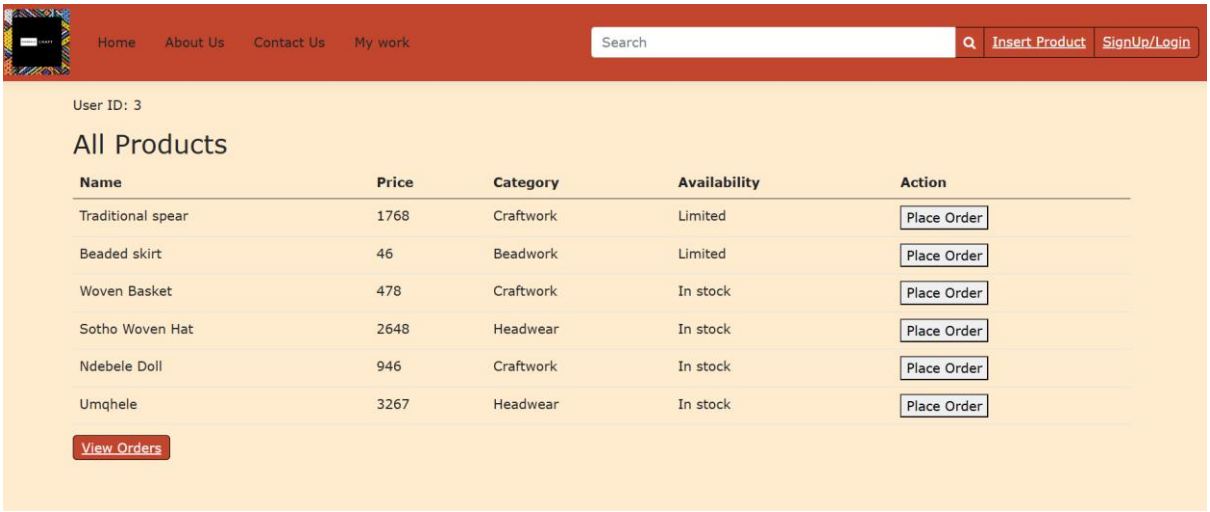


Figure 3 My Work Page

Users are able to make orders through this page once logged in by pressing the place order button, this order can be shown on their orders including the one just made. The information entered is shown in the tables below and all the information relevant to each user can be requested by the user and displayed upon their request.

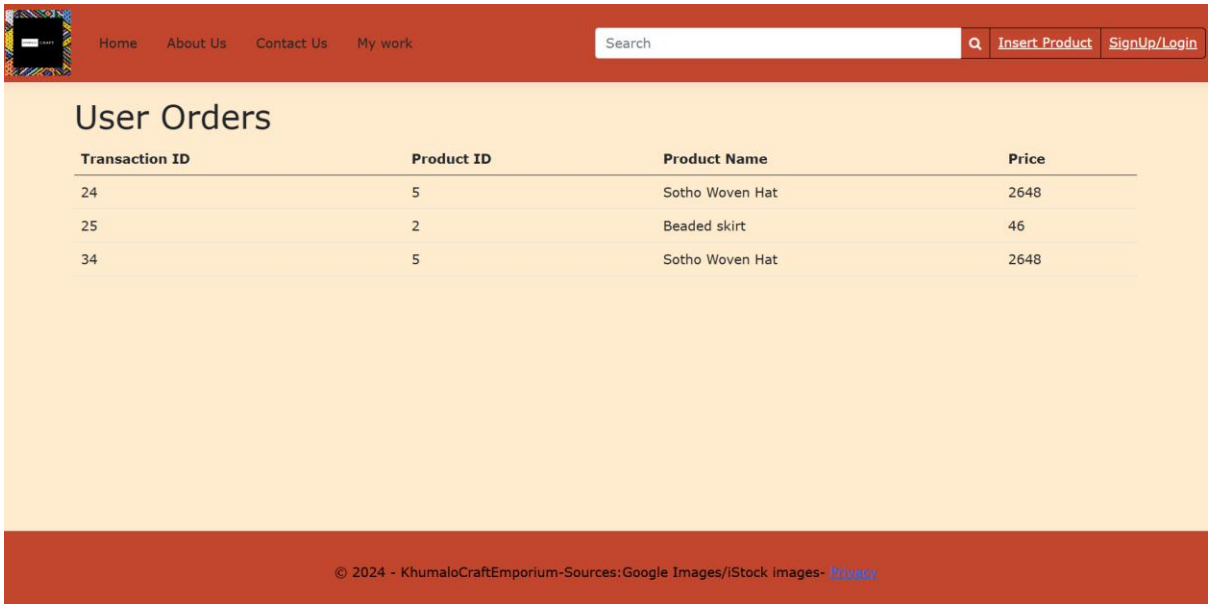


Figure 4 User Orders Display

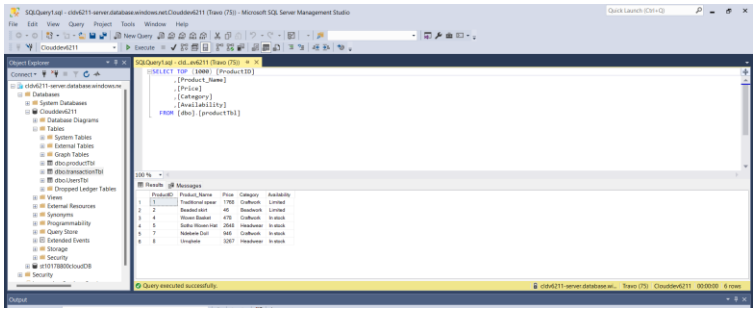


Figure 5 Products storage table in SSMS

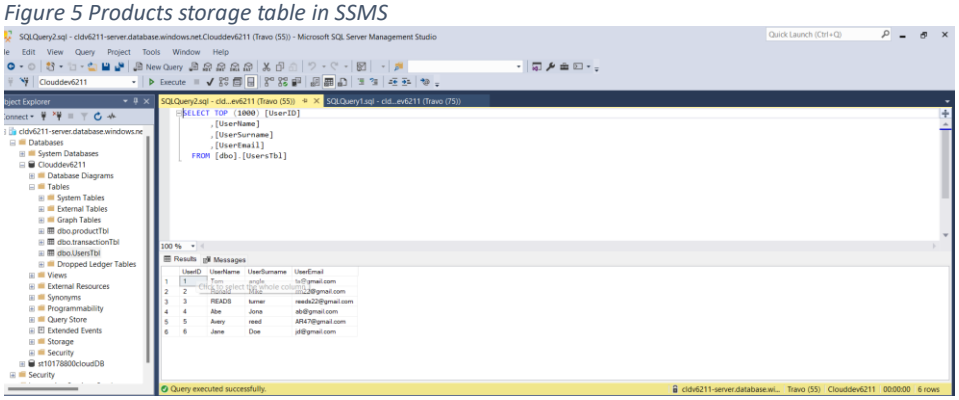


Figure 6 User storage Table SSMS

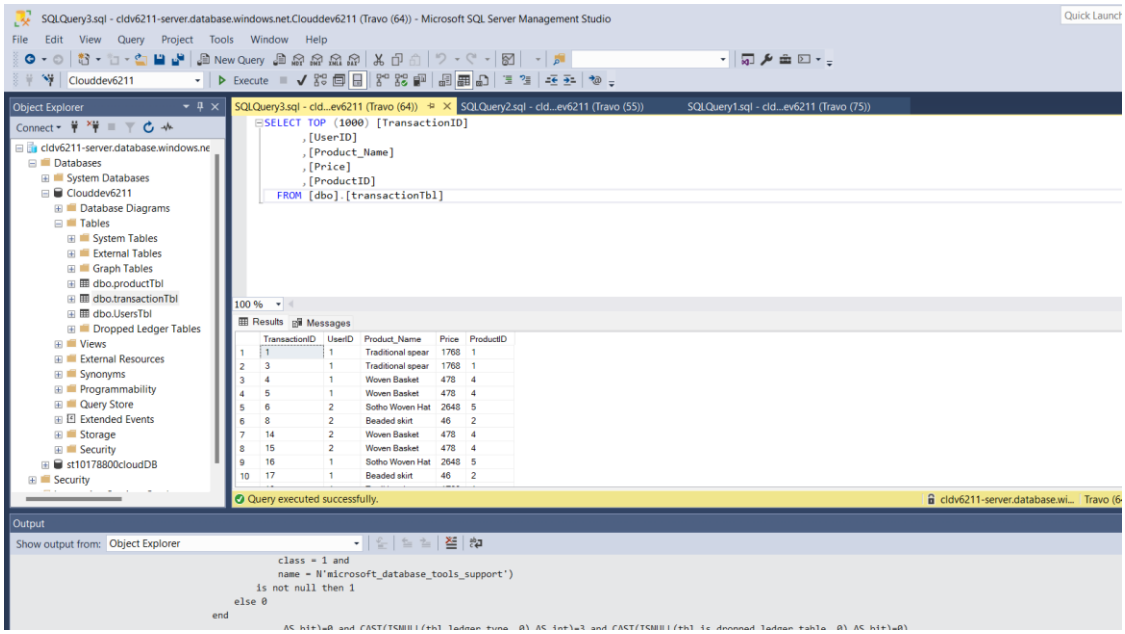


Figure 7 Transaction storage Table SSMS

REFERENCES

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