

Name of the database

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Advanced Database

CA 1 – Database Design

Year 2 2021-22

DL836 BSc (Hons) in Creative Computing

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# Activity 1 - Business Outline

## Description of the Business

The business’ name is Omniplex cinema, situated in Arklow. The business shows screenings of movies and makes profit from customers by selling tickets to said screening. Omniplex as a company has 30 cinemas all over Ireland. This particular cinema in Arklow has popcorn and other snacks and beverages for customers to purchase. A database would be beneficial to this business as it is large scale, handling large amounts of money and has a lot of customers which is easy to simplify when using a database to manage all these.

## Business Reporting Requirements

The business model is as follows:

-Purchase rights to screen movie

-Sell tickets for the movie and to sit down

-Sell snacks and drinks for additional profits

Additionally, there is screenings done on Tuesday which has subtitles for any customers with hearing impairment.

The reasoning for making this database for Omniplex Arklow is to simplify the large expenditures and incomes that comes with running a cinema.

# Activity 2 – Data-Set

## The Data-Set

## Relationship Rules for the Business

# Activity 3 – Entity Relationship Diagram

## ERD

Create the ERD in Draw.io. The ERD consists of the Entities and the Relationships between the Entities.

## Database schema

Create the database schema in Draw.io. The database consists of the tables for the entire database.

## Data Dictionary

## Entity Constraints

# Activity 4 – SQL create tables

Write the SQL to create the tables

## SQL to create the Tables

## Database Structure

Select the Designer view from phpMyAdmin to display the structure of the database in a graphical way.

# Activity 5 – Sample data

Populate the tables with sample data

# Activity 6 – SQL queries

Write the SQL queries to meet your business reporting requirements

# Reflection

## Your views on the project

Describe how you feel the project went from your perspective.

## Assessment of your learning.

Assess your learning. Describe what general skills and competencies you have developed in this Continuous Assessment.

## Technical skills

Describe what you have learnt from the project, from a technical skills viewpoint.