Web Design and Databases	
Deadline	5th September 2025
Submission Method	CANVAS Submission, Presentation
Project Staff	Dr. Bello Aliyu Muhammad

Unit Title	Web Design and Databases	Level / Term	Level 5 Term 1
Unit Code	CYS222104	**Credit / Weighting %**	20 Credits
Unit Leader	Dr. Bello Aliyu Muhammad	**Date of Issue**	**7th July 2025**

INTRODUCTION

As a professional in Web Design and Databases, a client, herein referred to as **CheapFlix**, has a job for you. CheapFlix is a new company that is coming to disrupt the market dominance of the Netflix monopoly of the streaming services. The company is proposing changes to the way the streaming services operates.

Please read the job requirements carefully and produce the system as par the requirements of the client. The system must be implemented using the technologies taught in the module.

Project Description

CheapFlix is a stream service startup kickstarting streaming services in the UK. It's services pretty much similar to Netflix where users pay and watch movies. However, CheapFlix aims to do things differently. The following is a description of the services and the modus operandi.

1. There would be three (3) levels of subscription.
   a. **Level 1 subscription**: Users can only view the available movies. The account is restricted to single device only. Once you log into the account on a particular device, that's it. If the user wants to log into his/her account with a different device, he/she must log out of the first device and must wait for 7 working days to make the switch. This level of subscription does not allow downloading any movie. The subscription fee for this level is £4.99 per month.
   b. **Level 2 subscription:** This level of subscription has the same prescriptions as level 1; the only difference is that this level allows downloading any/all the movies available. The subscription fee for this level is £7.99 per month.
   c. **Level 3 subscription:** This level of subscription has the same prescription as level 2. The additional feature however is allowing the users to log into their accounts with three (3) accounts at the same time. The subscription fee for this level is £9.99 per month.
2. Users must first register. The registration includes putting personal details, choice of subscription level as well as checkout. Users can also edit their details at any time
3. Users must also pay for their chosen subscription. The payment can be made using credit/debit card, Paypal or GooglePay.
4. Once user has paid for a subscription, the card details are retained and saved for future direct debit with the amount for the level subscribed.
5. Once payment is made, it is nonrefundable. If any user switches to a higher subscription level, say from level 1 to level 2, the top up charges (difference between the levels) is automatically deducted from the saved debit card on the account. If a user downgrades his/her subscription, say from level 3 to level 2, no refund is made for the difference in the price between the levels.
6. The default currency of payment is Pound Sterling (GBP £); however, users can choose to pay in any acceptable currency around the world. The system must be able to handle the conversions between the two currencies.
7. The system must generate receipts for all payments made. The receipts must be emailed to the users concerned.
8. Cancellation notice must be given advance of 30 days or 1 month (whichever is closer). This means that a user intending to cancel his subscription on August 7th must give the notice from at least July the 7th. Failure to give this notice would result continuous charges being applied

9. The admin must be able to generate the report of the users and the activities at any point. The report should also show the revenue generated on monthly basis, as well as the number of subscribers at the respective levels.
10. The admin is also responsible for adding movies to the system. At the start of operation (before any user registration), all available movies must be added. However, movies would continuously be added to the system. Once a new movie gets added to the system, all users must get email notification for the new movie.

Required Output:

You are required to:
1. Develop a responsive web-based application that enable the CheapFlex for its business operations described above.
2. Implement a robust database system that would store and process every information in the system.
3. Conduct a thorough and robust testing of the system. Document the evidence of this testing in your report.
4. Draft a comprehensive report on the developed system. You are free to use the lecture and other materials used in the module but most importantly, search for more information from the textbooks, journals and other academic sources.
5. Reference your work using the Harvard referencing system. Please also provide a bibliography using the Harvard referencing system. While you use the external sources, please be aware of plagiarism and AI generated content. Penalty applied for plagiarism and AI generated content.

NB
1. You are free to make any assumptions regarding any part of the system
2. For payment, you can build a table in your database with simulated credit/debit cards. You can use these cards to make payments.
3. As for the movies, obtain and download any movies available from any source.

Unit Learning outcomes (including relevant principle from Mindsets and Skillset, from Unit specs)	
Marks	**Criteria**
80 - 100	1. Implement all the requirements described in the project brief including robust error handling for each task. 2. Evidence of testing reported. 3. Good user interface and usable system 4. Good database design using any database management system (DBMS) of your choice. The database must be normalised. 5. Additional features should be added. Explore other stream service applications and add some features not captured here.

	6. A comprehensive report capturing all the features implemented, assumptions made as well as analysis. 7. Good references and citations in good/recommended format 8. Optimised codes
70 - 80	1. Implement most of the requirements described in the project brief including robust error handling for each task. 2. Evidence of testing. 3. Good user interface and usable system 4. Good database design using any database management system (DBMS) of your choice. The database must be normalised. 5. A comprehensive report capturing all the features implemented, assumptions made as well as analysis. 6. Good references and citations in good/recommended format 7. Optimised codes
60 – 70	1. Implement some of the requirements described in the project brief including robust error handling for each task. 2. Good user interface and usable system 3. Good database design using any database management system (DBMS) of your choice. 4. A comprehensive report capturing all the features implemented, assumptions made as well as analysis. 5. Good references and citations in good/recommended format Optimised codes
40 – 60	1. Implement few of the requirements described in the project brief including robust error handling for each task. 2. Good database design using any database management system (DBMS) of your choice. 3. A good report capturing all the features implemented, assumptions made as well as analysis. 4. Good references and citations in good/recommended format
0 – 39	1. Few or no features implemented 2. Poor report 3. Bad user interface 4. Bad or no references at all

Assessment and tutor feedback date	Internal completion of marking 24th Sep Moderation and release to students 24th Sep

Assessment Methods and Tasks

More detailed assessment tasks to be specified in the brief		
Assessment tasks	**Submission Method**	**Weighting %**
Report	**CANVAS**	100%

The Five Principles

The Five Principles underpin the Mindsets and Skillsets Manifesto and are the foundation upon which all course curriculum frameworks and unit specifications are based. The relevant Principles as stated below have been mapped against the Learning Outcomes relevant to each course unit and at each level (see Programme Specifications for full description of the Five Principles):

Cultivate	Where the individual thrives.
Collaborate	Where the individual evolve.
Integrate	Where education engages industry.
Advocate	Where purpose meets practice.
Originate	Creativity meets technology.

Submission Regulations

Students who miss the deadline or fail this project will be required to complete a retrieval project which demonstrates that the learning outcomes have been achieved.

Students should be aware that retrieval submissions are capped at a bare pass grade, (D-) unless the extenuating circumstances panel uphold an evidenced application.

The deadline for retrieval submissions will be determined at an Assessment Board.