

**ASSESSMENT AND INTERNAL VERIFICATION FRONT SHEET (Individual Criteria)****(Note: This version is to be used for an assignment brief issued to students via Classter)**

Course Title	Bachelor of Arts (Honours) in Interactive Digital Media			Lecturer Name & Surname	Matthew Cumbo	
Unit Number & Title		CAIDM-506-2206 – PHP & Databases				
Assignment Number, Title / Type		Back-End Shenanigans				
Date Set			Deadline Date	18 <sup>th</sup> April 2025		
Student Name	Lyona Manche, Lee Mifsud, Daniel Mallia, Matthew Scerri Simiana		ID Number		Class / Group	5.2

<b>Assessment Criteria</b>	<b>Maximum Mark</b>
<b>KU1</b> Construct basic web pages using HTML, CSS, and JS for use in a PHP project.	10
<b>KU2</b> Indicate the requirements of a dynamic website using Sitemaps, UML Data Models, and IPO Charts.	10
<b>KU3</b> Describe own use of programming practices in PHP and MySQL in a technical document.	10
<b>AA1</b> Use basic programming practices to display content dynamically using variables, conditions, and loops.	10
<b>AA2</b> Use Session Management, Cookies, and HTTP Requests and Responses to personalize website content.	10
<b>AA3</b> Devise an appropriate database structure using correct data types and attributes.	10
<b>AA4</b> Use PHP functions and SQL operations to create, read, update, and delete records from a database.	10
<b>SE1</b> Assemble web pages from defined templates using appropriate PHP rendering techniques.	10
<b>SE2</b> Manage table relationships in an SQL database using appropriate SQL operations.	10
<b>SE3</b> Design a testing strategy to ensure project functionality and completeness.	10
<b>Total Mark</b>	100

**Notes to Students:**

- This assignment brief has been approved and released by the Internal Verifier through Classter.
- Assessment marks and feedback by the lecturer will be available online via Classter (<http://mcast.classter.com>) following release by the Internal Verifier
- Students submitting their assignment on Moodle/Turnitin will be requested to confirm online the following statements:
 

**Student's declaration prior to handing-in of assignment**

  - ❖ I certify that the work submitted for this assignment is my own and that I have read and understood the respective Plagiarism Policy

**Student's declaration on assessment special arrangements**

  - ❖ I certify that adequate support was given to me during the assignment through the Institute and/or the Inclusive Education Unit.
  - ❖ I declare that I refused the special support offered by the Institute.

# PHP Databases & API Systems - **PLANNING DOCUMENT**

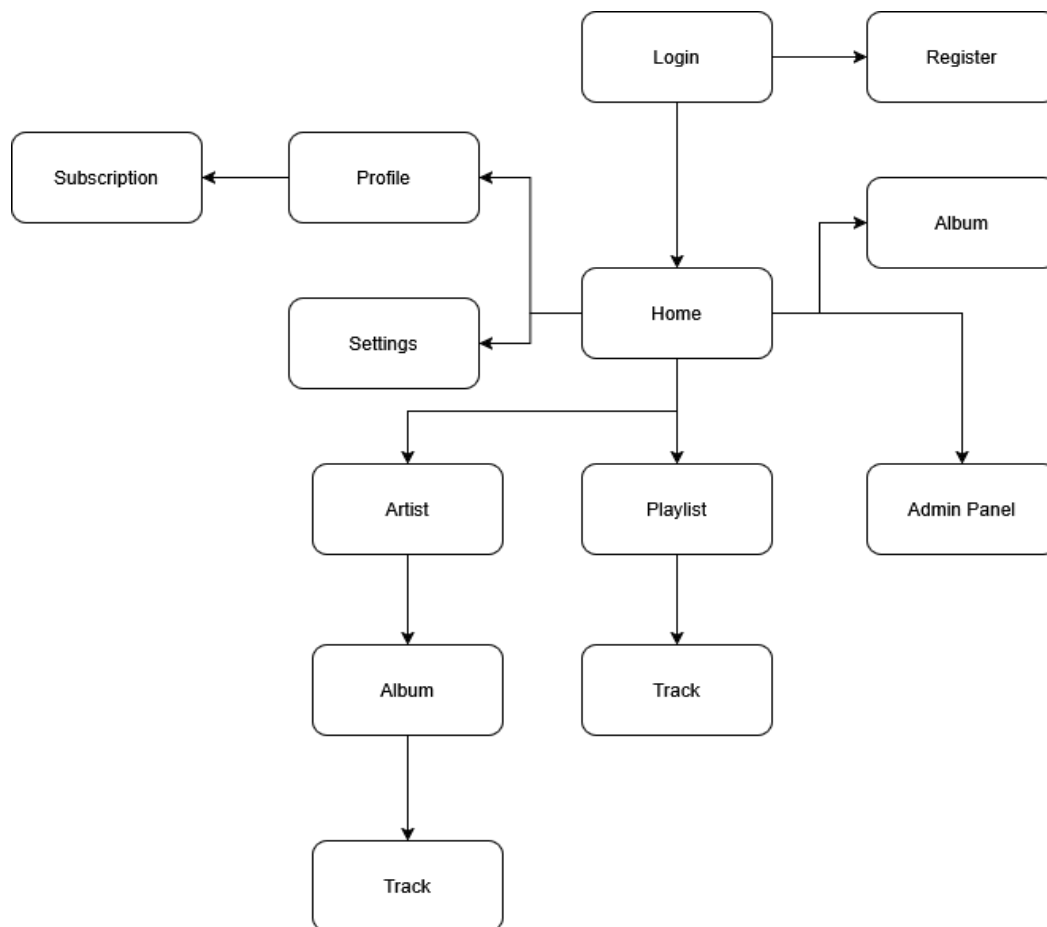
**Project Name** - "MyTunes"

**Description** - MyTunes is a next generation **music streaming platform** that offers users the ability to stream, upload, and manage music tracks and albums while integrating modern and nostalgic design aesthetics. It incorporates Frutiger Metro-inspired UI with Neumorphism elements to provide a sleek, user-friendly Experience.

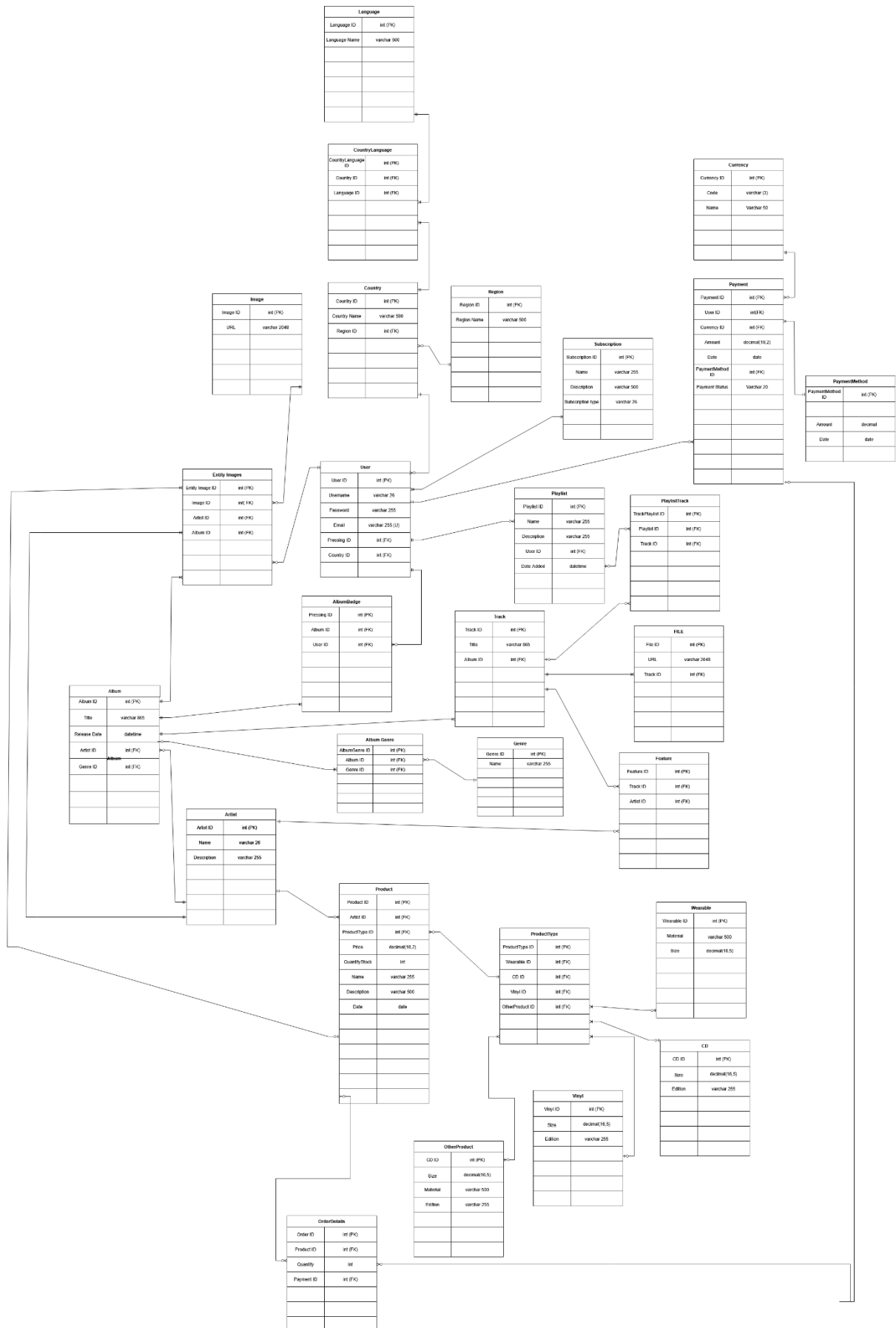
## **Core Features**

- User Account System - Register, log in, profile management
- Music Library Management - Upload, organise, and stream music
- Playlists - Users can create and share playlists
- Artist and Album Management - Detailed album and artist pages
- E-commerce Integration - Merchandise like Vinyl, CDs, and Wearables
- Multi-language Support - System supports multiple languages
- Subscription & Payment Handling - Different subscription tiers
- Admin Dashboard - Content and user moderation

## **Sitemap**



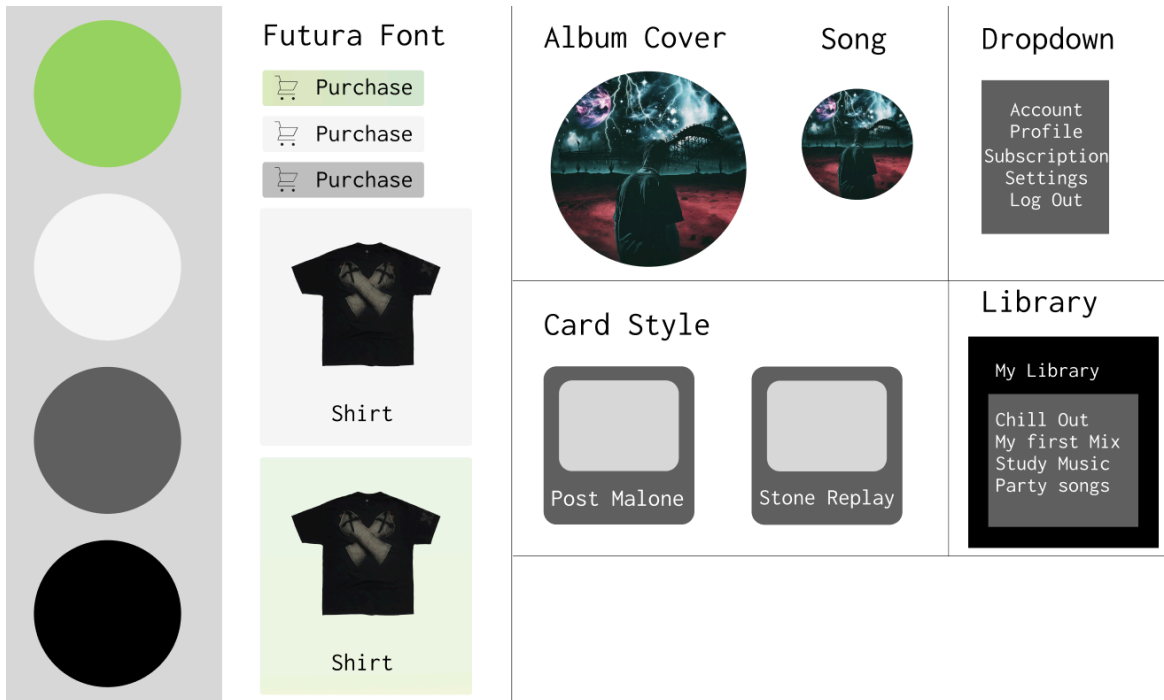
ERD link: <https://drive.google.com/file/d/1jYSFQzL59P5SdpMo4EXWifP0NvfqxiCo/view?usp=sharing>



## IPO Chart

Input	Process	Output
User Registration Details	Validate input, store in users table, hash password	User account created or authenticated
Login Credentials	Verify against users table, start session	User logged in, session started
Upload Track	Store metadata in tracks, file in file table	Track available for streaming
Create Playlist	Insert into playlist, associate tracks via playlist_track	Playlist created and saved
Add/Remove Track from Playlist	Insert into playlist, associate tracks via playlist_track	Playlist created and saved
Add/Remove Track from Playlist	Modify playlist_track table	Playlist updated
Purchase Subscription	Process payment, store details in payment and subscription	Subscription activated
Order Merchandise (Vinyl/CD)	Store order details in order_details	Order confirmed and payment processed
Comment on Track	Insert comment in comments table	Comment displayed under track
Upload Album Cover/Artist Image	Store in entity_images, link to image table	Image assigned to entity
Search Query	Query database using LIKE on relevant fields	Search results displayed
Admin Deletes Track	Remove from tracks, playlist_track, file tables	Track removed from frontend

## Style Guide



Link for wireframes on Figma

<https://www.figma.com/design/F9BC44RIRW3pk9UEAihLUg/PHP?node-id=0-1&t=a9CrmAAEvplha3c0-1>