

American International University - Bangladesh (AIUB)

**Project Proposal**

**Faculty: Tonny Kar Section: I**

**Project Title: The Media Library**

Group Members**:**

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| Name | ID |
| 1. Ainea Esrat Esika | 22-46837-1 |
| 2. Swajan Barua | 22-46838-1 |
| 3. A. F. M. Rafiul Hassan | 22-47048-1 |

**The Media Library**

**(Streaming without Servers)**

**Title: The Media Library**

Background Information / Literature Review:

The digital streaming industry has witnessed remarkable growth with platforms like Netflix and Amazon Prime Video leading the way. These platforms offer a vast library of content, including movies, TV shows, and documentaries. However, there is a growing demand for localized solutions that allow users to stream content directly from their local storage.

In this context, creating a Windows Form application that mimics the user interface and experience of popular streaming services but plays videos from local folders provides a unique and personalized streaming solution. Integrating a MySQL database for user information enhances the project's scalability and user management capabilities.

Objective:

The objective of this project is to develop a Windows Form application that replicates the user interface and experience of popular streaming platforms, such as Netflix and Amazon Prime Video, while exclusively playing videos from local folders. The integration of a MySQL database will facilitate user authentication, enabling personalized interactions, and providing a foundation for future feature enhancements.

Prospective Solution:

The prospective solution aims to create a user-friendly Windows Form application that allows users to:

1. Browse and Play Local Videos: Users can browse their local video library and play content directly within the application.
2. User Authentication: Utilize a MySQL database for user authentication, allowing users to create accounts, log in.
3. Intuitive User Interface: Design an intuitive and visually appealing user interface like popular streaming services.
4. Database Integration: Use MySQL to securely store and retrieve user information, ensuring data integrity and seamless user management.

Target User:

This application targets individuals who prefer a localized streaming experience and have a collection of videos stored on their local machines. The target audience includes users looking for a Netflix or Amazon Prime Video-like interface without the need for internet connectivity.

Basic Functionality:

1. Browse Local Videos: Display a grid or list of locally stored videos. Allow users to browse and organize videos within the application.
2. Video Playback: Implement a video player for seamless playback of local video files.
3. User Authentication: Enable users to create accounts and log in securely. Store user information in a MySQL database.
4. User Profiles: Allow users to create and manage profiles. Provide the option to customize profiles with avatars and personal details.
5. Search Functionality: Include a search feature for users to quickly find specific videos.
6. Intuitive UI: Design an intuitive and visually appealing user interface like popular streaming services.

Diagram:

