**Title:** Khela Ghor (Collection of mini games)

**Literature review**:

The literature review for the Khela Ghor project in C# encompasses a comprehensive exploration of key domains in game development. Focusing on methodologies, the study investigates raw C# game development without using any frameworks, emphasizing iterative and collaborative practices that have proven successful in similar projects. In the realm of user experience (UX) in game design, the review delves into the significance of player-centric design, user testing, and feedback loops in creating engaging interfaces. Examining user experience in game design, the project focuses on the challenges and advantages associated with building intuitive interfaces and engaging gameplay experiences that reliance on native C# capabilities. The literature review places particular emphasis on optimizing game performance, graphics rendering, and achieving a seamless user interface tailored for desktop environments. Additionally, the Khela Ghor project explores the implementation of login features, custom features within games, such as save scores, leaderboards etc. through custom-built solutions in C#. This literature review serves as a foundation for understanding the unique challenges and opportunities associated with developing a desktop based mini games collection app named ‘Khela Ghor’ without using any external frameworks.

**Objective:**

To develop a desktop application named 'Khela Ghor' in C# using Windows Forms (. Net Framework), providing users with a platform for playing various small games mainly in offline mode. The project also focuses on implementing a secure user account management, allowing customization of profiles, leaderboards, and achievements to enhance user engagement.

**Prospective Solution:**

The 'Khela Ghor' project aims to deliver a versatile desktop application offering a diverse collection of small games within a unified platform. The solution involves implementing a secure and user-friendly environment where players can create accounts, customize profiles, and engage in various mini games to enrich their gaming experiences. By incorporating features such as leaderboards, achievements, high scores 'Khela Ghor' strives to enhance user engagement and create a vibrant gaming community. The prospective solution also emphasizes the importance of offline gaming support, optimized performance, and iterative development of the app. Overall, 'Khela Ghor' seeks to provide a comprehensive and enjoyable gaming experience for users while adhering to best practices in design, functionality, and user interaction.

**Target User:**

The primary target users for the 'Khela Ghor' project are gaming enthusiasts and individuals seeking a convenient and engaging desktop gaming experience. The application caters to a diverse audience, including casual gamers looking for a variety of entertaining small games, as well as those interested in friendly competition within the gaming community. 'Khela Ghor' will be designed to be user-friendly, making it accessible to individuals of varying ages and gaming expertise. By offering a range of games and social features, the project aims to attract users who value a seamless and customizable gaming platform, fostering a sense of community and enjoyment.

**Basic Functionality:**

**Login feature:**

- An user can enter in the app with or without login. If an user enter with login then he/she will able to create a 'Khela Ghor' account (user account)

**User Account Management:**

- Secure user authentication and account creation.

- Profile customization with options for unique usernames and avatars.

**Game details:**

-The high score of every game can be saved inside the ‘Khela Ghor’ app.

**Game Collection**:

- Access to a diverse collection of small games within the desktop application.

- Single-player gaming experiences for users to enjoy.

**Intuitive User Interface:**

- Design of an intuitive and visually appealing user interface for easy navigation.

- Optimized performance to ensure smooth gameplay.

**Offline Gaming Support:**

- Capability for users to play games when offline, ensuring accessibility.

**Documentation:**

- Comprehensive documentation for users, including guides on account management, gameplay, and application features.

This basic functionality serves as the foundation for the 'Khela Ghor' project, providing users with a secure, accessible, and enjoyable gaming experience. Lastly, the features of this project can be enriched from time to time.