**GAMING PLATFORM**

**Problem Statement :**

Develop a comprehensive gaming platform that allows users to discover, purchase, and review games, unlock achievements, and interact with other gamers. The platform should also support game developers in publishing and managing their games, and it should categorize games into different genres for easy navigation. Additionally, the platform should enable social interactions such as friendships and notifications.

### Requirements :

#### **User :**

* + Users should be able to update their profiles, including their username, email, password, date of birth, and profile picture.
  + Users should be able to add and remove friends.
  + Users should be able to receive and send notifications.

1. **Game:**
   * Users should be able to view a list of available games.
   * Users should be able to purchase games.
   * Users should be able to view details of each game, including title, description, release date, genre, developer, and rating.
   * Users should be able to post reviews for games they own.
   * Developers should be able to add and remove games from the platform.
2. **Achievement:**
   * Users should be able to unlock achievements by performing specific actions within games.
   * Users should be able to view a list of all achievements they have unlocked.
3. **Genre:**
   * The platform should categorize games into different genres.
   * Users should be able to browse games by genre.
4. **Developer:**
   * Developers should be able to register and update their profiles, including their name, country, and website.
   * Developers should be able to manage the games they have published on the platform.
5. **Purchase System**:
   * Users should be able to purchase games. The system should keep track of purchases, including the date and amount.
6. **Review System**:

* Users should be able to post reviews for games they have played, including ratings and comments.

1. **Notification System**: The system should send notifications to users for various events such as friend requests, new game releases, and achievement unlocks.
2. 