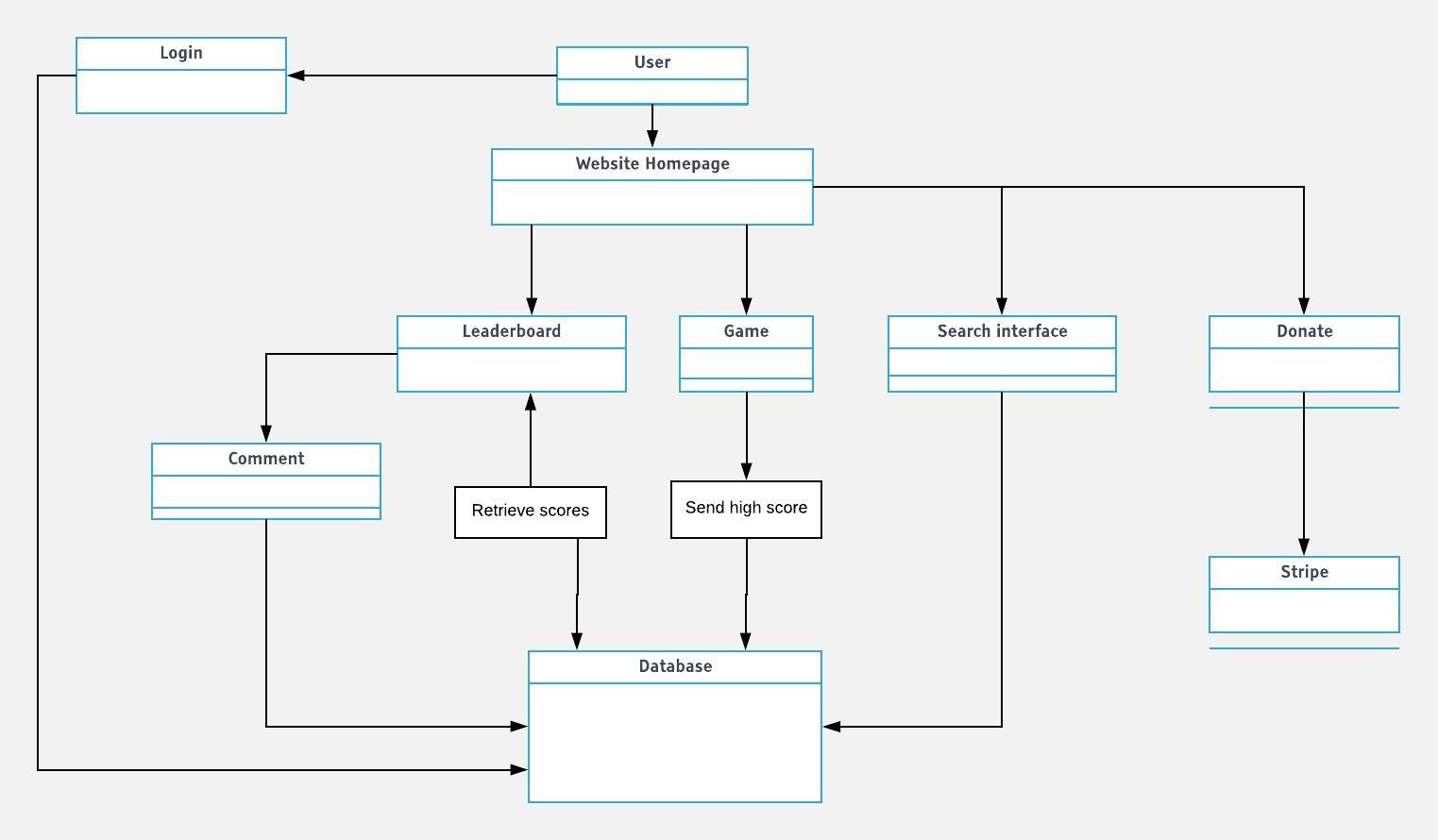
Interface spec



**Users**

|  |  |  |  |
| --- | --- | --- | --- |
| **Candidate Term** | **Not a Class bc** | **Class Name** | **Purpose** |
| **System Admin** |  | **SysAdmin** | **Control of the website and maintain function. Update all users and delete records**  **Unique attributes:**  **- Manage database**  **- Register accounts**  **- View/ Update Leaderboards**  **- Access Accounts** |
| **School Admin** |  | **SchoolAdmin** | **Authorize student and teacher accounts. Update and delete records**  **Unique attributes:**  **- Manage database**  **- Register accounts**  **- View/ Update Leaderboards**  **- Access Accounts** |
| **User** | **Abstract? Parent Class** | **User** | **Attributes:**  **- Register**  **- Login**  **- Read/ Write Comment**  **- Donate**  **- View Leaderboards**  **- System ID** |
| **General User** |  | **General User** | **Entity that allowed to register accounts**  **Has basic Attributes of User** |
| **Parent** |  | **Parent** | **Entity required to verify Student creation. Access to student data (Profile information, Score, read teacher notes, write comments )**  **Unique attributes:**  **- Inspect student/child progress(affiliated)**  **- Read student/child note(affiliated)** |
| **Teacher** |  | **Teacher** | **Entity in relation to Student. Access to student information. (Profile information, score, write notes, comments)**  **Unique attributes:**  **- Class ID**  **- Inspect class**  **- Write Notes (class affiliation)**  **- Inspect student/class** |
| **Student** |  | **Student** | **Entity in relation to teacher and parent. Allowed to play games**  **- Class ID**  **- Play game** |

|  |  |
| --- | --- |
| **Attributes** | **Datatype** |
| **Name** | **String** |
| **Entity ID** | **String** |
| **Password** | **String** |
| **Score** | **Int** |
| **Comments** | **String** |
| **Credit Card Info** | **String** |
| **Notes** | **String** |

**HLA Diagram**

General Users

Teachers

Parents

Child

Website

Registration

Login

Comment

Donate

General Users

Inspect child

Check progress of child

Teachers

Inspect class

Write comments to students

Check progress

Parents

Play games

Check leaderboard

Child

Functionality

Database management

games

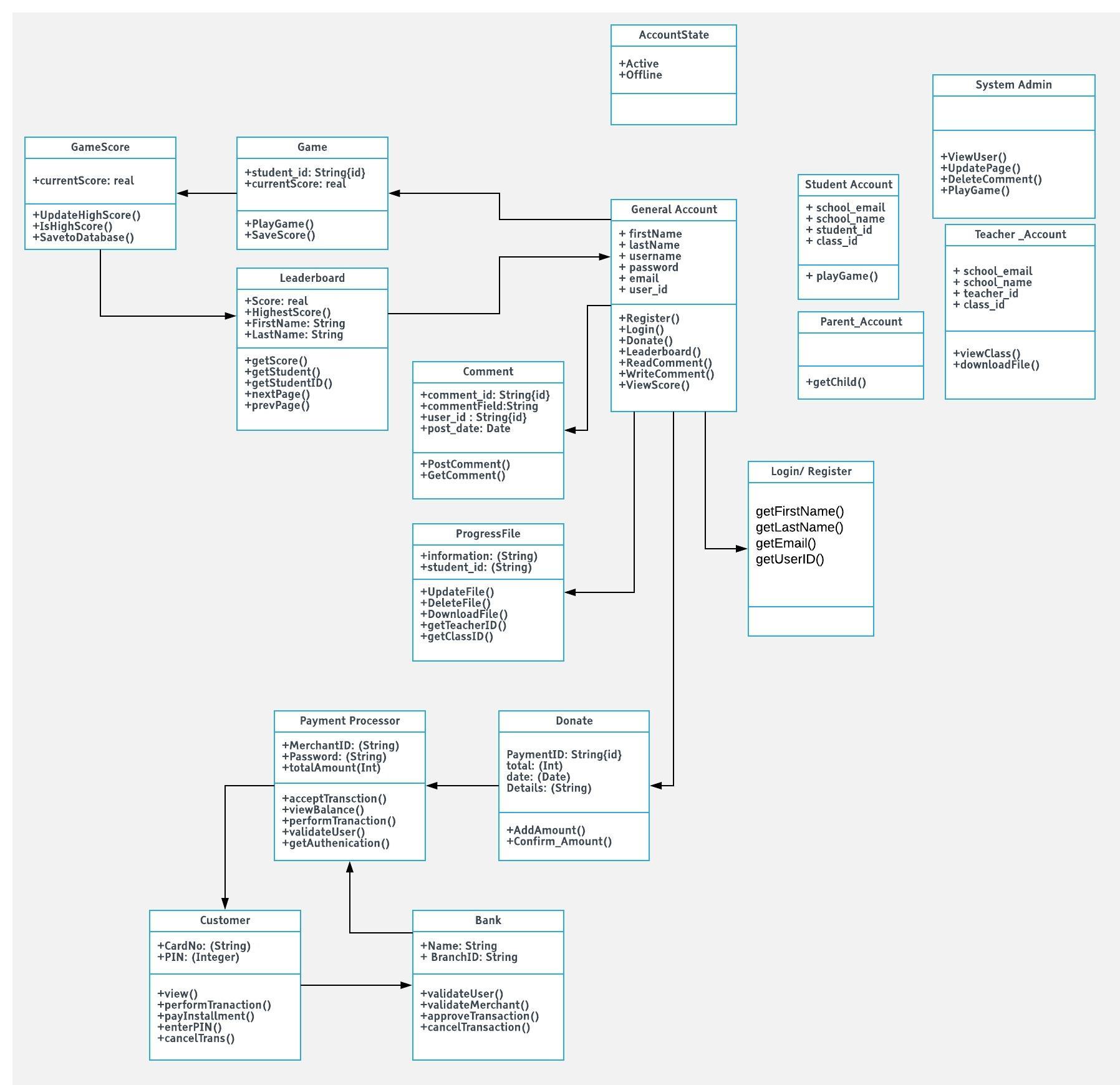
Donations

Account information

Payment Proccessor

Verification of card information

**Class Diagram**

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