

SocialUniverse Database

T9Hacks Hackathon 2023

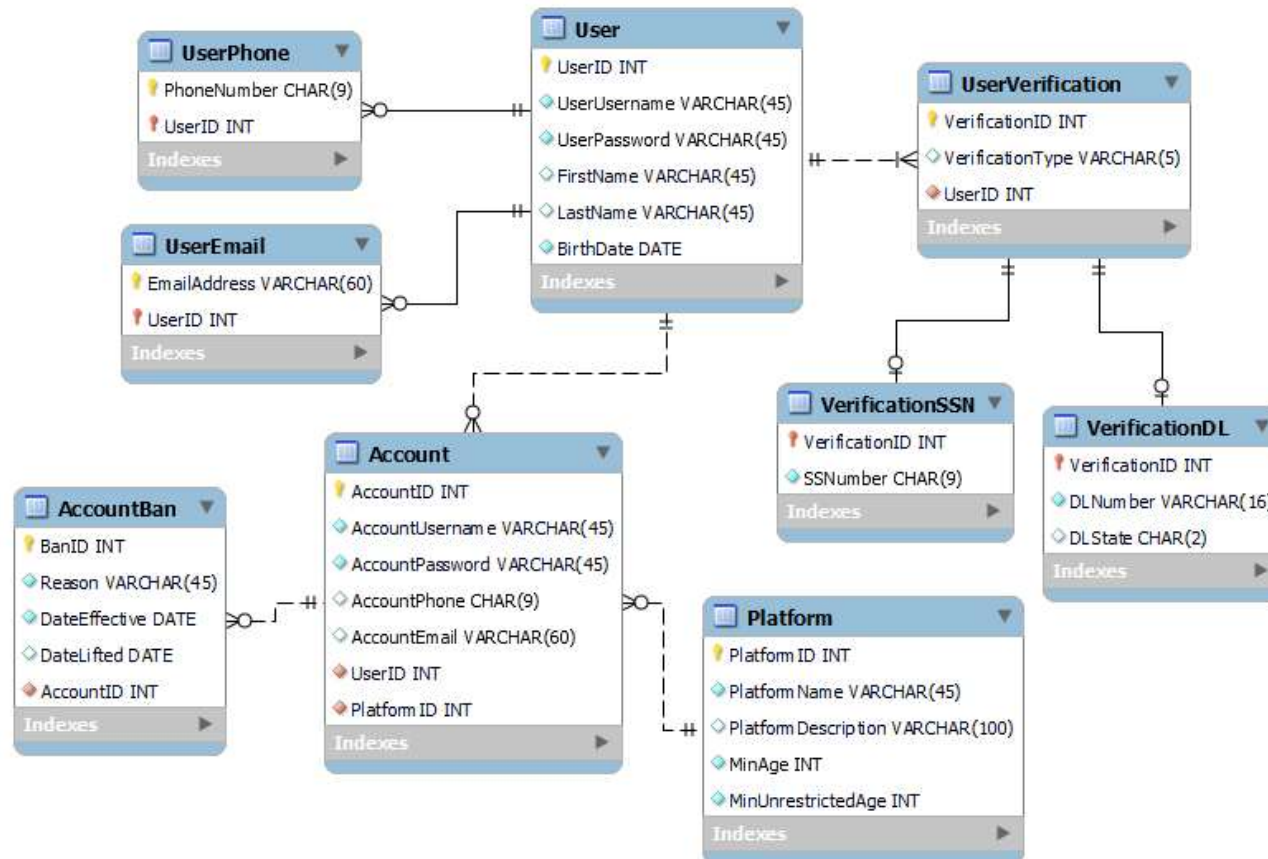
Core Database

The SocialUniverse Database stores information on users, user verification, and connected accounts and platforms.

- The **User** table stores user information.
- Since users can have more than one email address or phone number, the **UserEmail** and **UserPhone** tables manage this information.
- The **VerificationSSN** and **VerificationDL** tables store information for two different types of verification.
- The **UserVerification** table relates a user to their verification info.
- The **Account** table stores account information.
- The **AccountBan** table stores information about bans issued to connected accounts.
- The **Platform** table stores information about platforms.

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View Tables

In order to protect personal information, direct access to the `User`, `Account`, `AccountBan`, `UserVerification`, `VerificationSSN`, `VerificationDL`, `UserPhone`, and `UserEmail` tables is restricted. The `Platform` table is not restricted because it contains no personal information.

Instead, database users can access information regarding users, user verifications, accounts, and bans in the `UserView`, `VerificationView`, `AccountView`, and `BanView` view tables.

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BanView: Join of **Account** and **AccountBan** tables

Primary Key: **BanID**

Comparison: **AccountID**

Attributes from **Account**: **UserID**, **PlatformID**

Attributes from **AccountBan**: **DateEffective**, **DateLifted**

UserView: Viewable attributes of **User** table

Primary Key: **UserID**

Attributes: **Username** (**Internal**)

AccountView: Join of **Account** and **Platform** tables

Primary Key: **AccountID**

Comparison (not displayed): **PlatformID**

Attributes from **Account**: **UserID**

Attributes from **Platform**: **PlatformName**

VerificationView: Viewable attributes of **UserVerification** table

Primary Keys: **UserID**, **VerificationType**