In this diagram, we'll focus on the following entities:

1. \*\*User\*\*:

- UserID (Primary Key)

- Username

- Email

- Password (hashed and salted)

- Profile information (e.g., name, bio, profile picture)

2. \*\*Tweet\*\*:

- TweetID (Primary Key)

- Content

- Timestamp

- Likes Count

- Retweets Count

- UserID (Foreign Key, referencing User)

3. \*\*Follow\*\*:

- FollowID (Primary Key)

- FollowerUserID (Foreign Key, referencing User)

- FollowingUserID (Foreign Key, referencing User)

4. \*\*Blockchain Transaction\*\*:

- TransactionID (Primary Key)

- SenderUserID (Foreign Key, referencing User)

- ReceiverUserID (Foreign Key, referencing User)

- Amount (for cryptocurrency transactions)

- Timestamp

5. \*\*Blockchain Block\*\*:

- BlockID (Primary Key)

- PreviousBlockHash

- Nonce

- Timestamp

- Merkle Root

- MinerUserID (Foreign Key, referencing User)

6. \*\*Blockchain Transaction in Block\*\* (a relationship entity):

- BlockID (Foreign Key, referencing Block)

- TransactionID (Foreign Key, referencing Blockchain Transaction)

7. \*\*Likes\*\*:

- LikeID (Primary Key)

- UserID (Foreign Key, referencing User)

- TweetID (Foreign Key, referencing Tweet)

8. \*\*Retweets\*\*:

- RetweetID (Primary Key)

- UserID (Foreign Key, referencing User)

- TweetID (Foreign Key, referencing Tweet)