Mapping Approach

- Added entity table of users
- Added ISA tables (Possible match is a User, Swipes is a user, Match is a user, Blockeduser is a user)
- Added Preferences
- Added entity messages
- Added entity pictures

Data Types:

Appropriate data types are chosen for each attribute to ensure data integrity and optimize storage. For example, INT is used for numerical IDs, CHAR for textual data, DATE for dates, and LONGBLOB for profile pictures and pictures.

Constraints:

Constraints are used to maintain data integrity. For instance, primary keys ensure uniqueness, foreign keys enforce relationships, and unique constraints prevent duplicates.

Normalization:

The schema is designed to adhere to the principles of normalization, avoiding data redundancy and improving data integrity.

Composite Keys:

Composite keys are employed where necessary, such as in tables like Massaged_to, Blocked_Users, Matched_Users_With, and Likes_Music, where relationships involve multiple attributes.