Database Design

1. Users

- **Description**: Stores login and basic contact information for all users, including both MSMEs and financiers.

- **Columns**:
  - user_id: Primary Key
  - username: Unique identifier for user login
  - password: User's password
  - email: Unique email address
  - phone_number: Contact phone number
  - user_type: Type of user (financier or MSME)
  - created_at: Timestamp when the user was created
  - updated_at: Timestamp when the user was last updated

2. MSMEs

- **Description**: Contains additional details specific to MSME users.

- **Columns**:
  - msme_id: Primary Key
  - user_id: Foreign Key referencing Users
  - business_name: Name of the business
  - industry: Industry sector
  - annual_revenue: Annual revenue of the business
  - employee_count: Number of employees
  - credit_score: Credit score of the MSME (default is 50)

- o created_at: Timestamp when the MSME was created
- o updated_at: Timestamp when the MSME was last updated

3. Financiers

- **Description**: Contains additional details specific to financier users.
- **Columns**:
  - o financier_id: Primary Key
  - o user_id: Foreign Key referencing Users
  - o company_name: Name of the financier's company
  - o investment_preferences: Preferences for investment opportunities
  - o created_at: Timestamp when the financier was created
  - o updated_at: Timestamp when the financier was last updated

4. Loans

- **Description**: Records loan agreements between MSMEs and financiers.
- **Columns**:
  - o loan_id: Primary Key
  - o msme_id: Foreign Key referencing MSMEs
  - o financier_id: Foreign Key referencing Financiers
  - o amount: Amount of the loan
  - o interest_rate: Interest rate of the loan
  - o start_date: Loan start date
  - o end_date: Loan end date
  - o status: Status of the loan (pending, approved, rejected, completed)

- created_at: Timestamp when the loan was created
- updated_at: Timestamp when the loan was last updated

5. Transactions

- **Description**: Tracks financial transactions related to loans, such as payments and disbursements.
- **Columns**:
  - transaction_id: Primary Key
  - loan_id: Foreign Key referencing Loans
  - amount: Amount of the transaction
  - transaction_date: Date of the transaction
  - transaction_type: Type of transaction (payment or disbursement)
  - created_at: Timestamp when the transaction was created
  - updated_at: Timestamp when the transaction was last updated

6. Contact Us Inquiries

- **Description**: Stores messages and inquiries sent through the contact form on the website.
- **Columns**:
  - inquiry_id: Primary Key
  - name: Name of the person making the inquiry
  - email: Email address of the person making the inquiry
  - phone_number: Phone number of the person making the inquiry
  - message: Message content
  - created_at: Timestamp when the inquiry was created

7. Feedback

- **Description**: Captures feedback given by both MSMEs and financiers.

- **Columns**:

    - feedback_id: Primary Key

    - user_id: Foreign Key referencing Users

    - feedback_text: Text of the feedback

    - rating: Rating given (1 to 5)

    - created_at: Timestamp when the feedback was created

    - updated_at: Timestamp when the feedback was last updated

Users

User_id	Int(Primary Key)
Username	Varchar(Unique)
Password	varchar
Email	Varchar
User_type	ENUM
Phone_number	Varchar
Created_at	Timestamp
Updated_at	Timestamp

Industry

Ind_id	Int(primary key)
user_id	Int(Foreign key)
Name	Varchar
Industry	Varchar
Annual_revenue	Decimal
Employee_count	Int
Credit_score	Int
Created_at	Timestamp
Updated_at	Timestamp

Transaction

Transaction_id	Int(Primary key)
loan_id	Int(Foreign key)
Amount	Decimal
Transaction_date	Timestamp
Transaction_typeieId	ENUM
Created_at	Timestamp
Updated_at	Timestamp

Financiers

fin_id	Int(Primary key)
user_id	Int(Foreign key)
Name	Varchar
Investment_type	Text
Created_at	Timestamp
Updated_at	Timestamp

Loans

Loan_id	Int(Primary key)
ind_id	Int(Foreign key)
fin_id	Int(Foreign key)
Amount	Decimal
Int_rate	Decimal
Start_date	Date
End_date	Date
Status	Enum
Created_at	Timestamp
Update_at	Timestamp

Contact_us

inquiry_id	Int(Primary Key)
Name	Varchar
Email	Varchar
Phone_number	Int
Message	Text
Created_at	Timestamp

Feedback

feedback_id	Int(Primary key)
User_id	Int(Foreign key)
Feedback_text	Text
Rating	Int
Created_at	Timestamp
Updated_at	Timestamp