

Table Design

1. Users Table

Field Name	Data Type	Description
user_id	INT (PK)	Unique user identifier
name	VARCHAR(100)	User full name
email	VARCHAR(100)	User email
password	VARCHAR(255)	Encrypted password
created_at	DATETIME	Account creation date

2. Tasks Table

Field Name	Data Type	Description
task_id	INT (PK)	Unique task ID
user_id	INT (FK)	Reference to Users
title	VARCHAR(150)	Task title
priority	VARCHAR(20)	Task priority
deadline	DATETIME	Task deadline
status	VARCHAR(30)	Task status

3. Habits Table

Field Name	Data Type	Description
habit_id	INT (PK)	Habit identifier
user_id	INT (FK)	Reference to Users
habit_name	VARCHAR(100)	Habit name
streak	INT	Current streak

4. Expenses Table

Field Name	Data Type	Description
expense_id	INT (PK)	Expense identifier
user_id	INT (FK)	Reference to Users
amount	DECIMAL(10,2)	Expense amount
category	VARCHAR(50)	Expense category
expense_date	DATE	Expense date

5. Study Sessions Table

Field Name	Data Type	Description
session_id	INT (PK)	Study session ID
user_id	INT (FK)	Reference to Users
subject	VARCHAR(100)	Subject name
duration	INT	Duration in minutes
session_date	DATE	Study date

6. Books Table

Field Name	Data Type	Description
book_id	INT (PK)	Book identifier
user_id	INT (FK)	Reference to Users
title	VARCHAR(150)	Book title
total_pages	INT	Total pages
pages_read	INT	Pages completed

7. Mood Logs Table

Field Name	Data Type	Description
mood_id	INT (PK)	Mood log ID
user_id	INT (FK)	Reference to Users
mood_type	VARCHAR(30)	Mood type
log_date	DATE	Logged date

8. Goals Table

Field Name	Data Type	Description
goal_id	INT (PK)	Goal identifier
user_id	INT (FK)	Reference to Users
goal_name	VARCHAR(150)	Goal name
progress	INT	Completion percentage
target_date	DATE	Target date

9. Music Table

Field Name	Data Type	Description
music_id	INT (PK)	Music ID
user_id	INT (FK)	Reference to Users
title	VARCHAR(150)	Song title
link	VARCHAR(255)	Music link
playlist	VARCHAR(50)	Playlist name

10. Automation Rules Table

Field Name	Data Type	Description
rule_id	INT (PK)	Rule identifier
rule_name	VARCHAR(100)	Rule name
condition	TEXT	Rule condition
action	TEXT	Rule action

11. Notifications Table

Field Name	Data Type	Description
notification_id	INT (PK)	Notification ID
user_id	INT (FK)	Reference to Users
message	TEXT	Notification message
status	VARCHAR(20)	Read / Unread
created_at	DATETIME	Notification time