

Users:

user_id (INT PRIMARY KEY): Unique identifier for each user.

name (VARCHAR(255)): User's full name.

email (VARCHAR(255) UNIQUE): User's email address (unique for identification).

password (VARCHAR(255)): Encrypted password for user login.

role (ENUM('admin', 'editor', 'author', 'public')): User's role on the website.

teacher_id (INT FOREIGN KEY REFERENCES Teachers(teacher_id)): Foreign key referencing the Teachers table (optional for users who are not faculty/staff).

Teachers:

teacher_id (INT PRIMARY KEY): Unique identifier for each teacher.

faculty (BOOLEAN): Flag indicating if the user is faculty or staff (optional).

employee_id (VARCHAR(255)): Employee ID (optional).

phone (VARCHAR(255)): User's phone number.

address (VARCHAR(255)): User's office address.

department (VARCHAR(255)): User's department (optional).

Journals:

journal_id (INT PRIMARY KEY): Unique identifier for each journal.

name (VARCHAR(255)): Name of the journal.

issue_number (INT): Issue number for the journal.

volume_number (INT): Volume number for the journal.

publishing_date (DATE): Publishing date of the journal (applicable only for editor module).

cover_image_path (VARCHAR(255)): Path to the cover image file for the journal (applicable only for editor module).

Articles:

article_id (INT PRIMARY KEY): Unique identifier for each article.

journal_id (INT FOREIGN KEY REFERENCES Journals(journal_id)): Foreign key referencing the journal this article belongs to.

issue_number (INT): Issue number the article is published in.

volume_number (INT): Volume number the article is published in.

name (VARCHAR(255)): Title of the article.

submission_date (DATE): Date the article was submitted by the author.

status (ENUM('accepted', 'rejected')): Current status of the article submission (applicable only for author module).

file_path (VARCHAR(255)): Path to the uploaded article file.

Authors (Many-to-Many relationship with Articles):

Since an article can have multiple authors and an author can contribute to multiple articles, a separate table for the relationship is needed:

author_id (INT PRIMARY KEY): Unique identifier for each author. (This can reference the user_id from the Users table if the author is a registered user).

article_id (INT FOREIGN KEY REFERENCES Articles(article_id)): Foreign key referencing the Articles table.

Note: You can create a separate table for Authors if you want to store additional author-specific details not included in the Users table.

Subscriptions:

subscriber_id (INT PRIMARY KEY): Unique identifier for each subscriber.

user_id (INT FOREIGN KEY REFERENCES Users(user_id)): Foreign key referencing the subscribing user in the Users table.

UserActivity:

useractivity_id (INT PRIMARY KEY): Unique identifier for each user activity.

user_id (INT FOREIGN KEY REFERENCES

Users(user_id)): Foreign key referencing the user who performed the activity.

activity_type (ENUM('visit', 'download', 'read')): Type of activity performed (visit to main page, download of article/journal, or online read).

journal_id (INT FOREIGN KEY REFERENCES Journals(journal_id)): Foreign key referencing the specific journal for download/read activity (optional, null for main page visit).

article_id (INT FOREIGN KEY REFERENCES Articles(article_id)): Foreign key referencing the specific article for download/read activity (optional, null for journal or main page visit).

activity_date (DATETIME): Date and time the activity was performed.