1. 1. Journals Table

Stores information about each journal.

Column Name	Data Type	Description
J_ID	VARCHAR(10)	Unique journal ID (e.g., ICS for Impact in Computer Science).
journal_name	VARCHAR(255)	Name of the journal (e.g., "Impact in Computer Science").
journal_description	TEXT	Description of the journal's scope and focus.
ISSN	VARCHAR(20)	ISSN number of the journal.
created_at	TIMESTAMP	Date when the journal was created.
updated_at	TIMESTAMP	Date when the journal was last updated.

2. 2. Volumes Table

Stores information about journal volumes.

Column Name	Data Type	Description
V_ID	INT (PK)	Unique volume ID.
J_ID	VARCHAR(10) (FK)	References **Journals.J_ID**.
volume_number	INT	Volume number (e.g., 1, 2, 3).
year	INT	Publication year for the volume.
created_at	TIMESTAMP	Date when the volume was created.

3. 3. Users Table

Stores information about all users (authors, reviewers, editors, admins).

Column Name	Data Type	Description
USER_ID	INT (PK)	Unique user ID.
username	VARCHAR(255)	Username for login (unique).
password	VARCHAR(255)	Hashed password for login.
email	VARCHAR(255)	User's email address (unique).
first_name	VARCHAR(255)	First name of the user.
last_name	VARCHAR(255)	Last name of the user.
affiliation	VARCHAR(255)	Institution/organization the user is affiliated with.
country	VARCHAR(255)	Country of the user.
created_at	TIMESTAMP	Date when the user account was created.
updated_at	TIMESTAMP	Date when the account was last updated.

Column Name	Data Type	Description
ORCID	VARCHAR(255)	ORCID ID for the user (optional).
prefix	VARCHAR(20)	Title or honorific (e.g., Mr., Dr., Prof.).

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4.   4. Roles Table

Holds predefined roles for users in the system.

Column Name	Data Type	Description
R_ID	INT (PK)	Unique role ID.
role_name	ENUM('Author', 'Reviewer', 'Editor-in-Chief', 'Associate Editor', 'Assistant Editor', 'Admin')	Role name (e.g., 'Author', 'Reviewer').
description	TEXT	Description of the role (e.g., Reviewer evaluates manuscripts).

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5.   5. User_Role Table

Links users to their roles.

Column Name	Data Type	Description
UR_ID	INT (PK)	Unique role assignment ID.
USER_ID	INT (FK)	References **Users.USER_ID**.
R_ID	INT (FK)	References **Roles.R_ID**.
is_active	BOOLEAN	Indicates whether the role assignment is active.
start_date	TIMESTAMP	Date when the role assignment started.
end_date	TIMESTAMP	Date when the role assignment ended (if applicable).

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6.   6. Manuscripts Table

Stores details of each manuscript submission.

Column Name	Data Type	Description
M_ID	VARCHAR(20) (PK)	Unique manuscript ID (e.g., IAI20250001).
J_ID	VARCHAR(10) (FK)	References **Journals.J_ID**.
USER_ID	INT (FK)	References the submitting author (corresponding author).
title	VARCHAR(255)	Title of the manuscript.
abstract	TEXT	Abstract of the manuscript.

Column Name	Data Type	Description
keywords	TEXT	Keywords for the manuscript, separated by ;.
submission_date	TIMESTAMP	Date when the manuscript was first submitted.
accepted_date	TIMESTAMP	Date when the manuscript was accepted (if applicable).
decision_date	TIMESTAMP	Date when the final decision was made (if applicable).
author_comments	TEXT	Comments from the author (for revisions).
DOI	VARCHAR(255)	DOI assigned to the manuscript once accepted.

7.   7. Manuscript_Authors Table

Links manuscripts to their authors.

Column Name	Data Type	Description
SA_ID	INT (PK)	Unique author ID.
M_ID	VARCHAR(20) (FK)	References **Manuscripts.M_ID**.
prefix	VARCHAR(20)	Author's title (e.g., Mr., Dr., Prof.).
first_name	VARCHAR(100)	Author's first name.
last_name	VARCHAR(100)	Author's last name.
email	VARCHAR(255)	Author's email address.
affiliation	VARCHAR(255)	Author's institutional affiliation.
country	VARCHAR(100)	Author's country of residence.
author_order	INT	Order of authors in the manuscript.
is_corresponding_author	BOOLEAN	Indicates if the author is the corresponding author.

8.   8. Manuscript_Reviewers Table

Stores reviewer assignments for manuscripts.

Column Name	Data Type	Description
M_ID	VARCHAR(20) (FK)	References **Manuscripts.M_ID**.
USER_ID	INT (FK)	References **Users.USER_ID** for the reviewer.
review_date	TIMESTAMP	Date when the manuscript was assigned to the reviewer.
reviewer_report	TEXT	Reviewer's comments on the manuscript.
decision	ENUM('Accepted', 'Minor Revision', 'Major Revision', 'Rejected')	Reviewer's decision on the manuscript.
COI_flag	BOOLEAN	Flag to indicate conflict of interest.

9. 9. Manuscript_Submissions Table

Tracks submission details including suggested reviewers.

Column Name	Data Type	Description
M_ID	VARCHAR(20) (FK)	References **Manuscripts.M_ID**.
file_path	VARCHAR(255)	Path to the submitted manuscript file.
suggested_reviewer_1_name	VARCHAR(255)	Name of the first suggested reviewer.
suggested_reviewer_1_email	VARCHAR(255)	Email of the first suggested reviewer.
suggested_reviewer_1_affiliation	VARCHAR(255)	Affiliation of the first suggested reviewer.
suggested_reviewer_2_name	VARCHAR(255)	Name of the second suggested reviewer.
suggested_reviewer_2_email	VARCHAR(255)	Email of the second suggested reviewer.
suggested_reviewer_2_affiliation	VARCHAR(255)	Affiliation of the second suggested reviewer.
suggested_reviewer_3_name	VARCHAR(255)	Name of the third suggested reviewer.
suggested_reviewer_3_email	VARCHAR(255)	Email of the third suggested reviewer.
suggested_reviewer_3_affiliation	VARCHAR(255)	Affiliation of the third suggested reviewer.

10. 10. Manuscript_Status Table

Tracks the status of manuscripts throughout the editorial process.

Column Name	Data Type	Description
M_ID	VARCHAR(20) (FK)	References **Manuscripts.M_ID**.
status	ENUM('Submitted', 'Under Review', 'Minor Revision', 'Major Revision', 'Accepted', 'Rejected')	Current status of the manuscript.
last_updated_at	TIMESTAMP	Date when the manuscript status was last updated.

11. 11. Publications Table

Records publication details once a manuscript is accepted and assigned to a journal volume.

Column Name	Data Type	Description
P_ID	INT (PK)	Unique publication ID.
M_ID	VARCHAR(20) (FK)	References **Manuscripts.M_ID**.
V_ID	INT (FK)	References **Volumes.V_ID**.
publish_date	TIMESTAMP	Date when the manuscript was published.

Column Name	Data Type	Description
DOI	VARCHAR(255)	DOI assigned to the manuscript once published.

- **Website Development Roadmap for MiPress**
- **1. Website Structure**

The website will have a sidebar navigation similar to the provided design, structured into different sections for various user roles.

1. **User Menu (For all users)**
- **Home** – Dashboard showing recent activities
- **Manage Accounts** – User role management (if applicable)
- **Change Password** – Password reset functionality
- **Edit Profile** – Update personal details
- **Logout** – End session

2. **Submissions Menu (For authors)**
- **Submit Manuscript** – Form to upload a new submission
- **Display Submitted Manuscripts** – List of manuscripts submitted by the user
- **Display Co-Authored Manuscripts** – List manuscripts where the user is a co-author

3. **Reviewers Menu (For reviewers)**
- **Reviews** – List of assigned papers for review, categorized as 'Pending', 'Finished', or 'Declined'

4. **Academic Editor Menu (For editors & assistant editors)**
- **Editor Profile** – Manage personal details & preferences
- **Decisions** – List of manuscripts awaiting a decision
- **Pre-check Decisions** – Early-stage screening before full peer review
- **Special Issues** – Manage themed collections (if needed in future)

2 User Roles & Permissions

Role	Description & Permissions
Author	Submit papers, suggest reviewers, track submissions, receive notifications on review decisions.
Reviewer	Review assigned papers, submit feedback
Assistant Editor	Manage initial submissions, send to Associate Editor, oversee revisions.
Associate Editor	Review submissions forwarded by Assistant Editor and decide next steps.
Editor-in-Chief	Make final acceptance/rejection decisions, oversee journal operations.
Admin	Manage users, journals, volumes, settings, and website maintenance.

3. Step-by-Step Website Process

A. Paper Submission Workflow (Author Side)

1. User logs in as an **Author**.
2. Navigates to **"Submit Manuscript"**.
3. Fills in:
   - **Title, Abstract, Keywords**
   - **Upload File (PDF, DOCX, or LaTeX)**
   - **Journal Selection**
   - **Add all the coauthors (Name, Email, Affiliation, order)**
   - **Suggested Reviewers (Name, Email, Affiliation, Reason)**
4. Clicks "Submit" → Paper is stored in **Submissions Table** with status = 'Submitted'.
5. All the Authors receive confirmation email.

5. **B. Editorial & Review Workflow (Editor & Reviewers Side)**
6. **Assistant Editor logs in**.
7. Reviews metadata which is submiited article and its details (authors, filess(& suggested reviewers.
8. **Forwards submission to Associate Editor**.
9. Associate Editor reviews the submission and either:
   - **Assigns reviewers** (either from suggested reviewers or selects manually), OR

- o **Declines the submission** if it does not meet journal standards.
10. If sent for review, reviewers receive an email invitation → Log in & access the manuscript.
11. Accepts or declines the request
12. If accepts then he will have 1 week to review and submit the report
13. Reviewers submit feedback → Stored in **Manuscript_Reviewers Table**
14. Associate Editor reviews feedback and checks if they reviewers (min 2 reports) suggest minor, major, reject or accept.
    - o **Minor/Major Revisions** → Author is notified, allowed to submit revision.
    - o **Reject** → Submission is closed.

    If it is minor or major then same feedback will be sent to author to make revision and this process continues until they suggest to acecpt the paper .
    Details will be in Manuscript_Status Table

    ones it is done then associate editor makes decisions and sends for final decision to **Editor-in-Chief**.
15. Editor-in-Chief makes the final decision:
    - o **Accept** → Moves to **PublishedPapers Table**.
16. Final notifications are sent to all parties.

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17. **C. Continuous Publishing Workflow (After Acceptance)**
1. Accepted paper moves from **Submissions Table** → **Publications Table**
2. Assigned to the **Current Volume of the Journal**.
3. DOI is generated and stored.
4. Paper is immediately available under the "Published Papers" section.