ASVMALL DATABASE PLAN

Create a table users:

- user_id (INT, PRIMARY KEY, AUTO_INCREMENT)

- user_name (VARCHAR(150), NOT NULL)

- email (VARCHAR(150), UNIQUE, NOT NULL)

- password (VARCHAR(255), NOT NULL)

- phone (VARCHAR(20), NULL)

- created_at (DATETIME, DEFAULT CURRENT_TIMESTAMP)

2. sellers Table

Stores seller/vendor details.

- seller_id (INT, PRIMARY KEY, AUTO_INCREMENT)

- user_id (INT, FOREIGN KEY → users.user_id)

- shop_name (VARCHAR(200), NOT NULL)

- gst_number (VARCHAR(50), NULL)

- created_at (DATETIME, DEFAULT CURRENT_TIMESTAMP)

3. products Table

 product information.

- product_id (INT, PRIMARY KEY, AUTO_INCREMENT)

- seller_id (INT, FOREIGN KEY → sellers.seller_id)

- category_id (INT, FOREIGN KEY → categories.category_id)

- name (VARCHAR(200), NOT NULL)

- description (TEXT, NULL)

- price (DECIMAL(10,2), NOT NULL)

- stock (INT, NOT NULL)

- created_at (DATETIME, DEFAULT CURRENT_TIMESTAMP)

-updated_at(DATETIME,DEFAULT CURRENT_TIMESTAMP)

4. categories Table

- category_id (INT, PRIMARY KEY, AUTO_INCREMENT)

- name (VARCHAR(200), UNIQUE, NOT NULL)

- parent_id (INT, NULL, Self Reference)

5. product_media Table

- media_id (INT, PRIMARY KEY, AUTO_INCREMENT)

- product_id (INT, FOREIGN KEY → products.product_id)

- media_type (ENUM: image, video, audio, pdf, html)

- media_url (VARCHAR(500), NOT NULL)

- created_at (DATETIME, DEFAULT CURRENT_TIMESTAMP)

6. reviews Table

Customer reviews & ratings.

- review_id (INT, PRIMARY KEY, AUTO_INCREMENT)

- product_id (INT, FOREIGN KEY → products.product_id)

- user_id (INT, FOREIGN KEY → users.user_id)

- rating (INT, CHECK 1–5)

- comment (TEXT, NULL)

- created_at (DATETIME, DEFAULT CURRENT_TIMESTAMP)

7. cart Table

- cart_id (INT, PRIMARY KEY, AUTO_INCREMENT)

- user_id (INT, FOREIGN KEY → users.user_id)

- product_id (INT, FOREIGN KEY → products.product_id)

- quantity (INT, NOT NULL)

- added_at (DATETIME, DEFAULT CURRENT_TIMESTAMP)

8. wishlist Table

User wishlist items.

- wishlist_id (INT, PRIMARY KEY, AUTO_INCREMENT)

- user_id (INT, FOREIGN KEY → users.user_id)

- product_id (INT, FOREIGN KEY → products.product_id)

- added_at (DATETIME, DEFAULT CURRENT_TIMESTAMP)

9. payment Table

 successful payment records.

- payment_id (INT, PRIMARY KEY, AUTO_INCREMENT)

- user_id (INT, FOREIGN KEY → users.user_id)

- order_id (INT, UNIQUE, NOT NULL)

- amount (DECIMAL(10,2), NOT NULL)

- method (VARCHAR(50), NOT NULL)

- status (VARCHAR(50), NOT NULL)

- payment_date (DATETIME, DEFAULT CURRENT_TIMESTAMP)