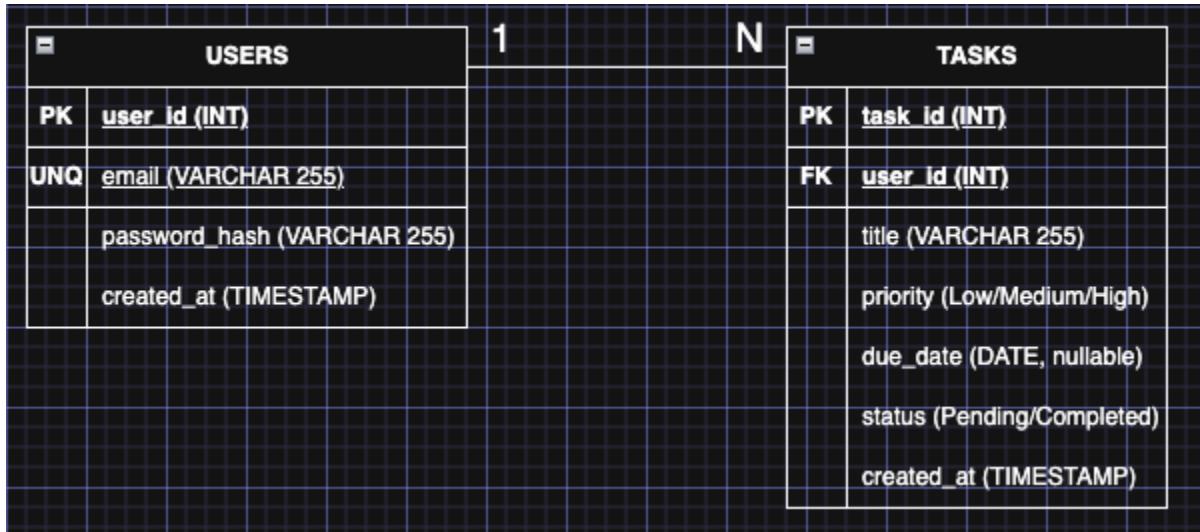


Database design package (PDF)

ERD Diagram:



SQL:

```
CREATE TABLE users (
    user_id INT AUTO_INCREMENT PRIMARY KEY,
    email VARCHAR(255) NOT NULL UNIQUE,
    password_hash VARCHAR(255) NOT NULL,
    created_at TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP
);
```

```
CREATE TABLE tasks (
    task_id INT AUTO_INCREMENT PRIMARY KEY,
    user_id INT NOT NULL,
    title VARCHAR(255) NOT NULL,
    priority ENUM('Low','Medium','High') NOT NULL DEFAULT 'Low',
    due_date DATE NULL,
    status ENUM('Pending','Completed') NOT NULL DEFAULT 'Pending',
    created_at TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,
```

```
CONSTRAINT fk_tasks_user
    FOREIGN KEY (user_id) REFERENCES users(user_id)
    ON DELETE CASCADE
    ON UPDATE CASCADE,
```

```
INDEX idx_tasks_user (user_id),
INDEX idx_tasks_status (status),
INDEX idx_tasks_due (due_date)
);
```