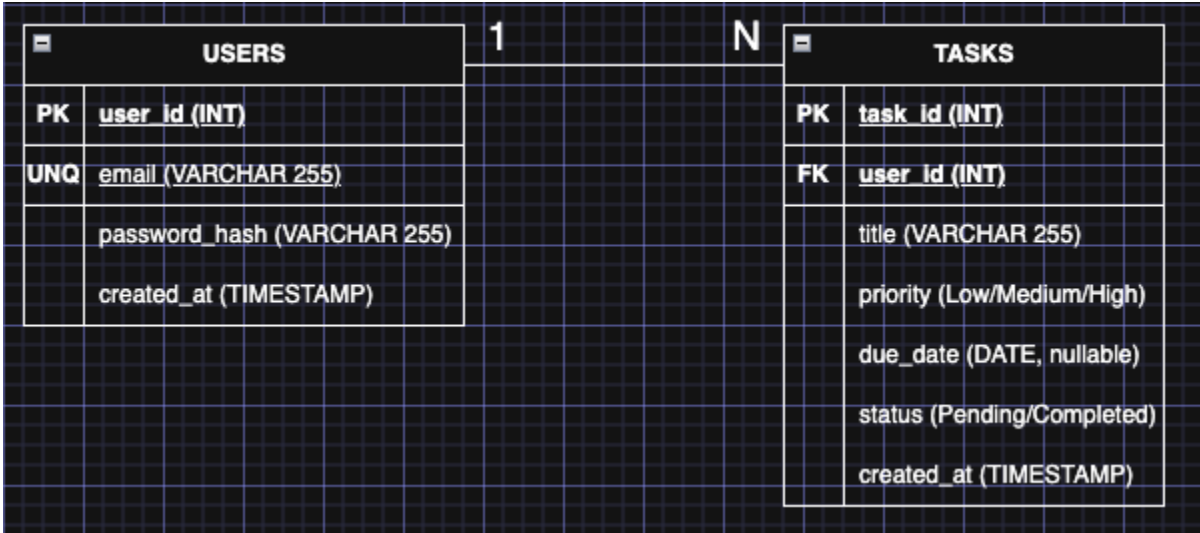


Database design package (PDF)

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)  
);
```