

Users	
PK	<u>user_id</u> INT AUTO INCREMENT
	name VARCHAR(100) NOT NULL
	email VARCHAR(100) NOT NULL UNIQUE
	role VARCHAR(50) NOT NULL, -- 'ProjectManager', 'Developer', 'Tester'
	password VARCHAR(255) NOT NULL

Projects	
PK	<u>project_id</u> INT AUTO INCREMENT
	project_name VARCHAR(100) NOT NULL
	start_date DATE NOT NULL
	status VARCHAR(50) NOT NULL, -- 'In Progress', 'Completed'
	project_manager_id INT
	FOREIGN KEY (project_manager_id) REFERENCES Users(user_id)

Bugs	
PK	<u>project_id</u> INT
PK	<u>bug_id</u> INT AUTO INCREMENT
	title VARCHAR(255) NOT NULL
	description TEXT NOT NULL
	severity_level VARCHAR(50) NOT NULL, -- 'Low', 'Medium', 'High',
	status VARCHAR(50) NOT NULL, -- 'Open', 'In Progress', 'Closed'
	created_by INT, -- Tester who reported the bug
	created_on TIMESTAMP DEFAULT CURRENT_TIMESTAMP
	assigned_to INT, -- Developer to whom the bug is assigned
	FOREIGN KEY (created_by) REFERENCES Users(user_id)
	FOREIGN KEY (assigned_to) REFERENCES Users(user_id)
	FOREIGN KEY (project_id) REFERENCES Projects(project_id)

ProjectAssignments	
PK	<u>user_id</u> INT
PK	<u>project_id</u> INT
PK	<u>assignment_id</u> INT AUTO INCREMENT
	role VARCHAR(50) NOT NULL, -- 'Developer', 'Tester'
	FOREIGN KEY (project_id) REFERENCES Projects(project_id)
	FOREIGN KEY (user_id) REFERENCES Users(user_id)