- **Database diagram:**
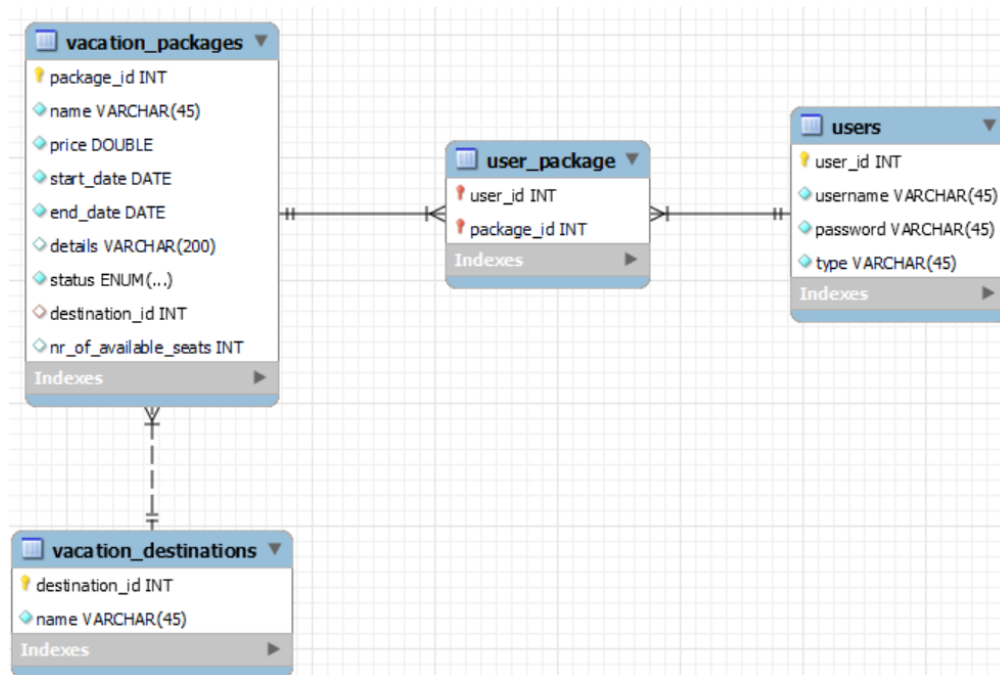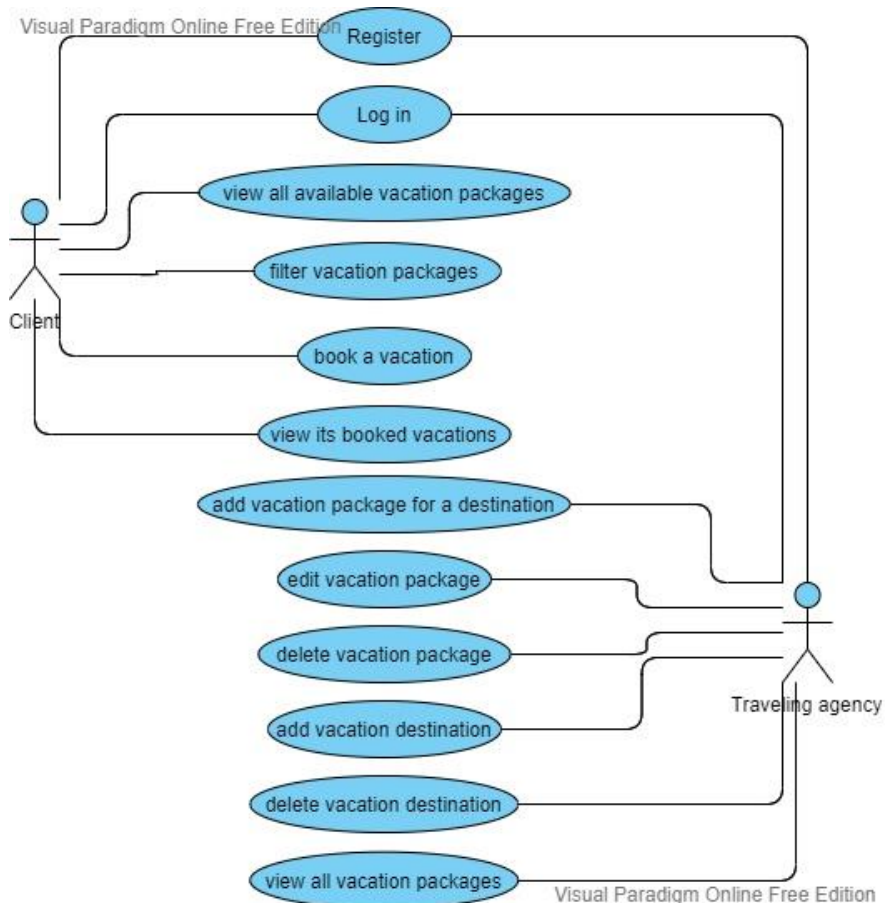

- **Use case diagram:**

- **Class diagram (layered architecture):**