Travelling Agency

Project documentation

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I Project specification

This project allows travelling agencies to sell their vacation packages on a generalized platform. At the same time, it also allows users to be able to buy the vacations they have always desired.

Travelling agencies are also able to manage their vacations based on several characteristics, while users can see all of the available packages and they can also filter them based on what they desire.

II Use-Case model

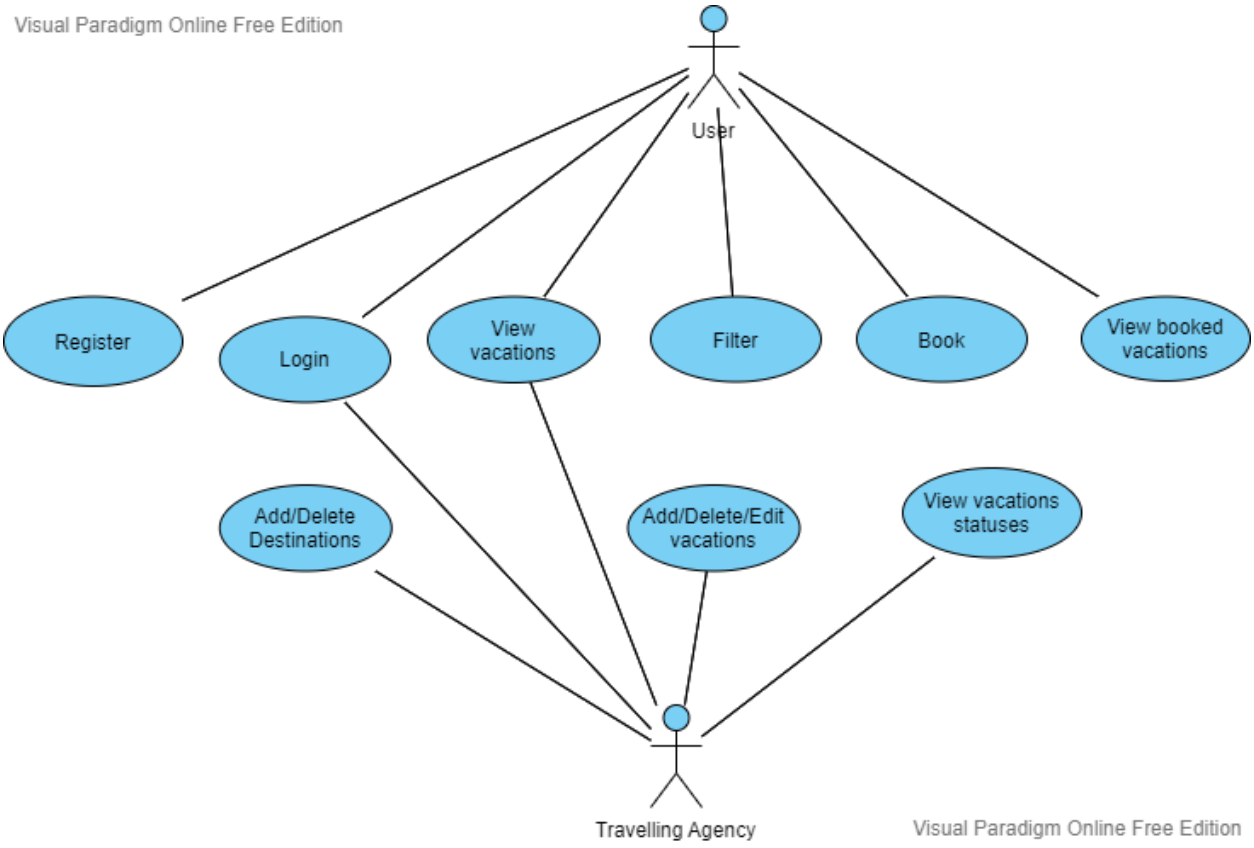
The main use cases revolve around one user type and one travelling agency type which help each other.

2.1 Users and stakeholders

User -> is able to see, filter and buy certain vacation packages.

Travelling agency -> is able to sell and manage vacation packages.

2.3 UML Use-Case diagram



III Architectural design

The chosen architecture is based on the Layered Architecture which is the best one for such projects. The layers used are:

-> business layer: used for processing the data.

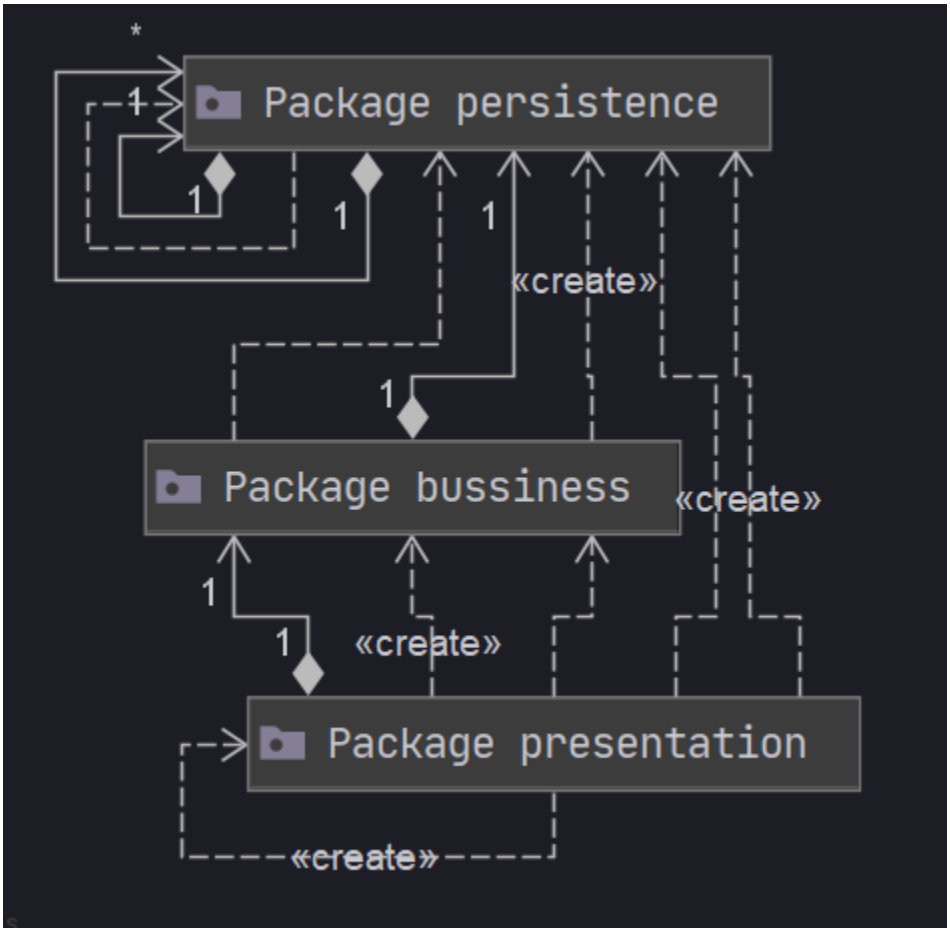
-> persistence layer: used for storing the data.

-> presentation layer: used for UI related classes.

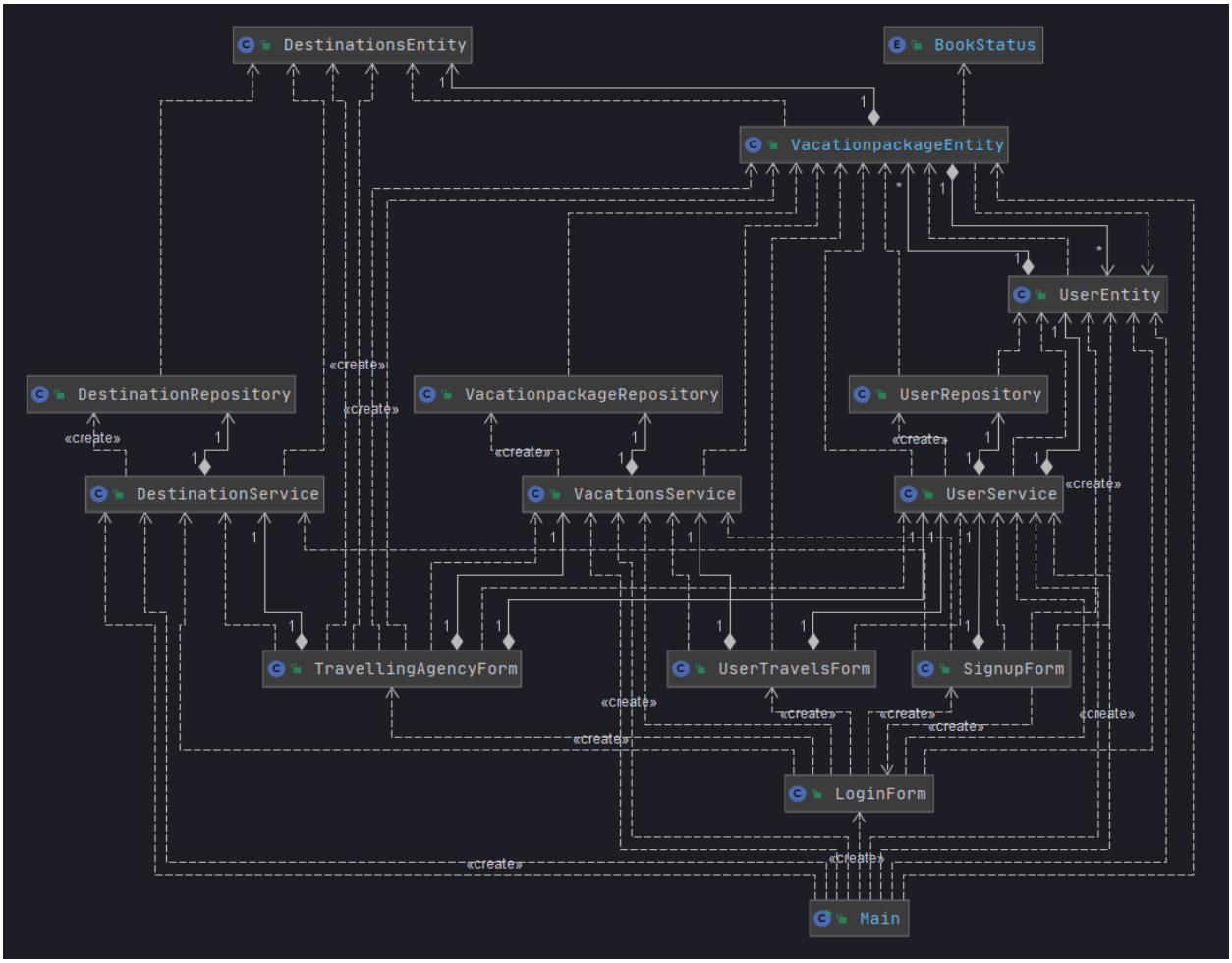
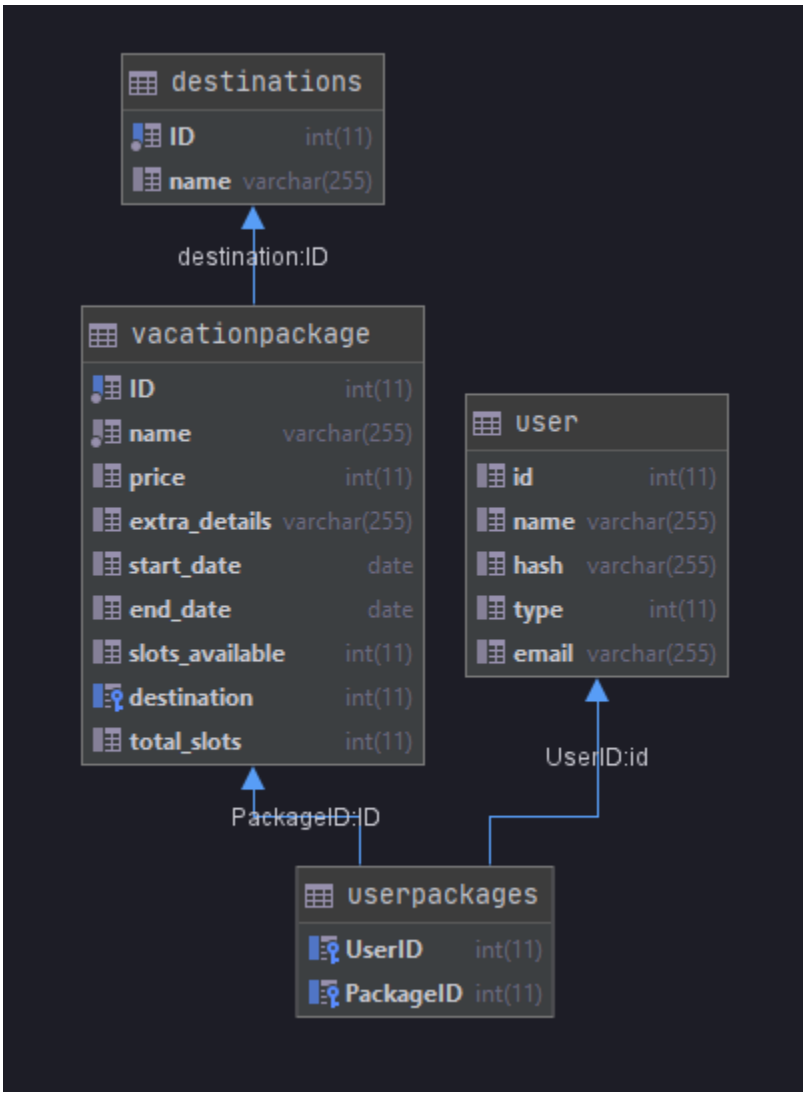
3.1 Conceptual architecture

The application is built using MySQL and Hibernate in Java. The UIs are built using Java Swing.

3.2 Package diagram



3.3 Class diagram


DestinationsEntity
BookStatus
VacationpackageEntity
UserEntity
DestinationRepository
VacationpackageRepository
UserRepository
DestinationService
VacationsService
UserService
TravellingAgencyForm
UserTravelsForm
SignupForm
LoginForm
Main
«create»
1
*

3.4 Database (E-R/Data model) diagram