

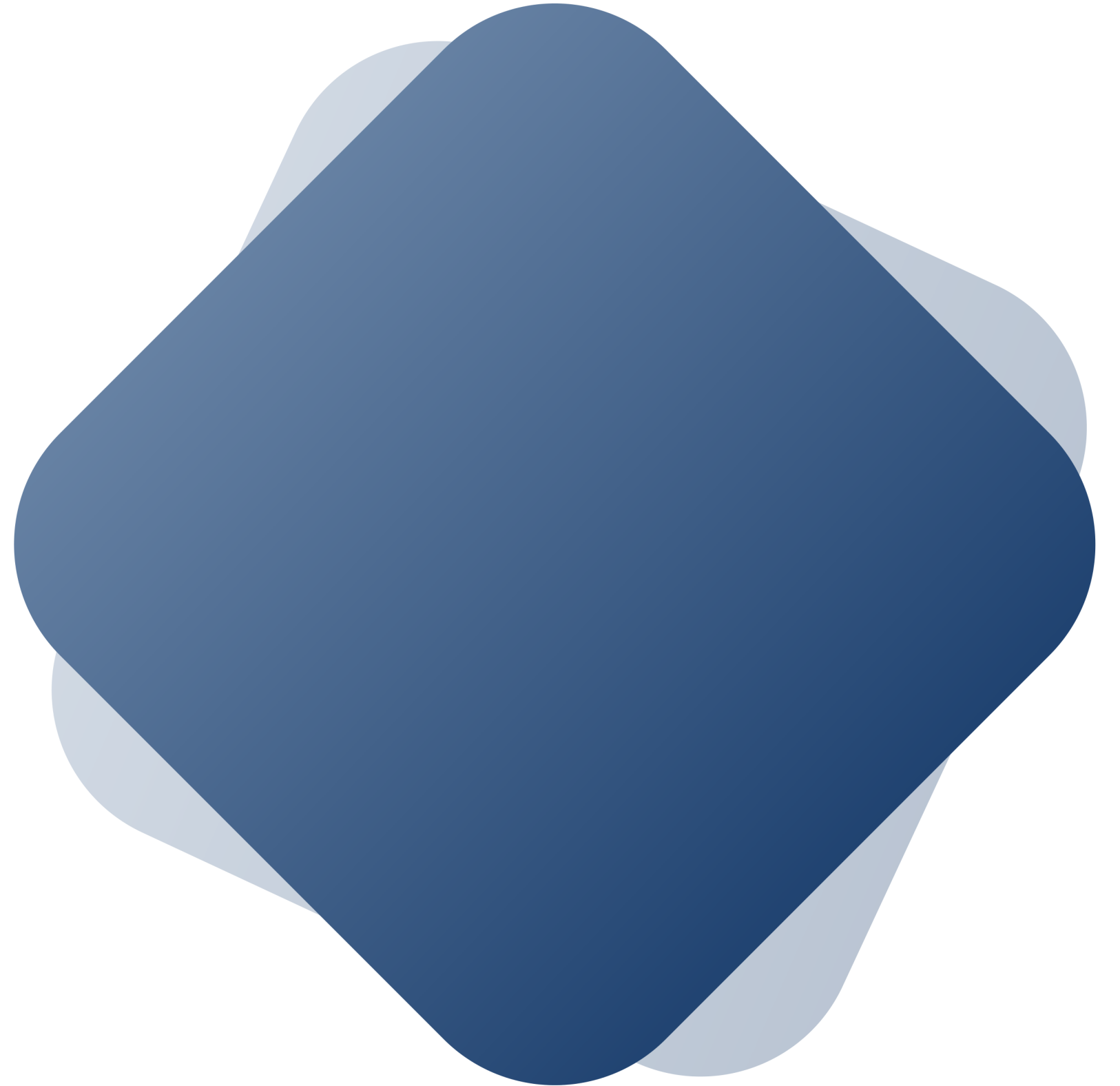


FLAT RENTAL CAPSTONE PROJECT



ROAD MAP

- Application will be developed in following
- Springboot+RestController+Spring DataJPA



PROBLEM STATEMENT

ADMIN AND USER

view add and delete
flat view ,add, block
and delete tenants view and
cancle bookings view, block
and delete landlords

LANDLORD

REGISTER
ADD AND DELETE FLATS
ACCEPT AND DENY
BOOKINGS
VIEW TENANT DETAILS

TENANT

REGISTER
VIEW ALL AVAILABLE FLATS
REQUEST FOR BOOKING
VIEW ALL AVAIABLE FLATS

MODULES

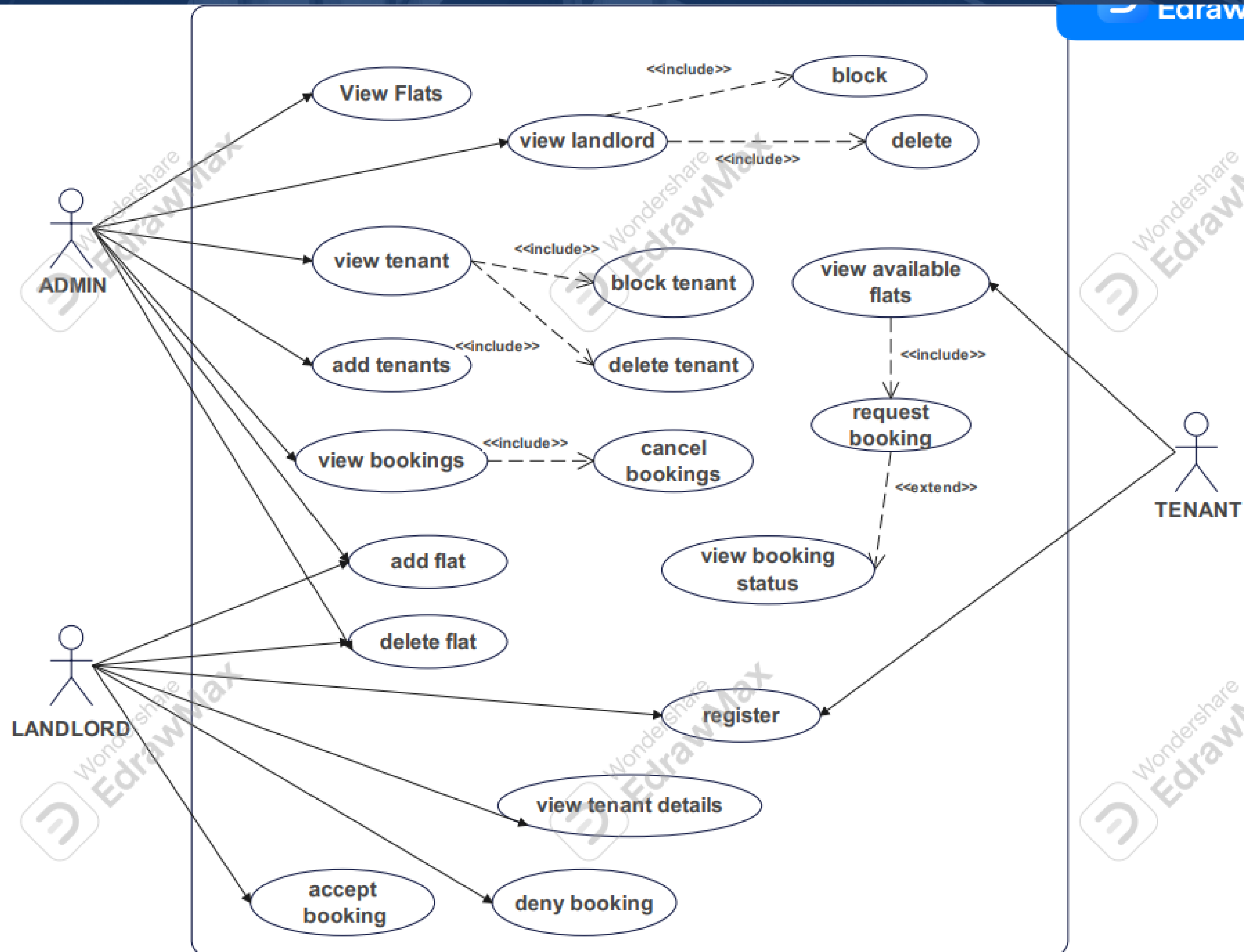
FLAT

TENANT

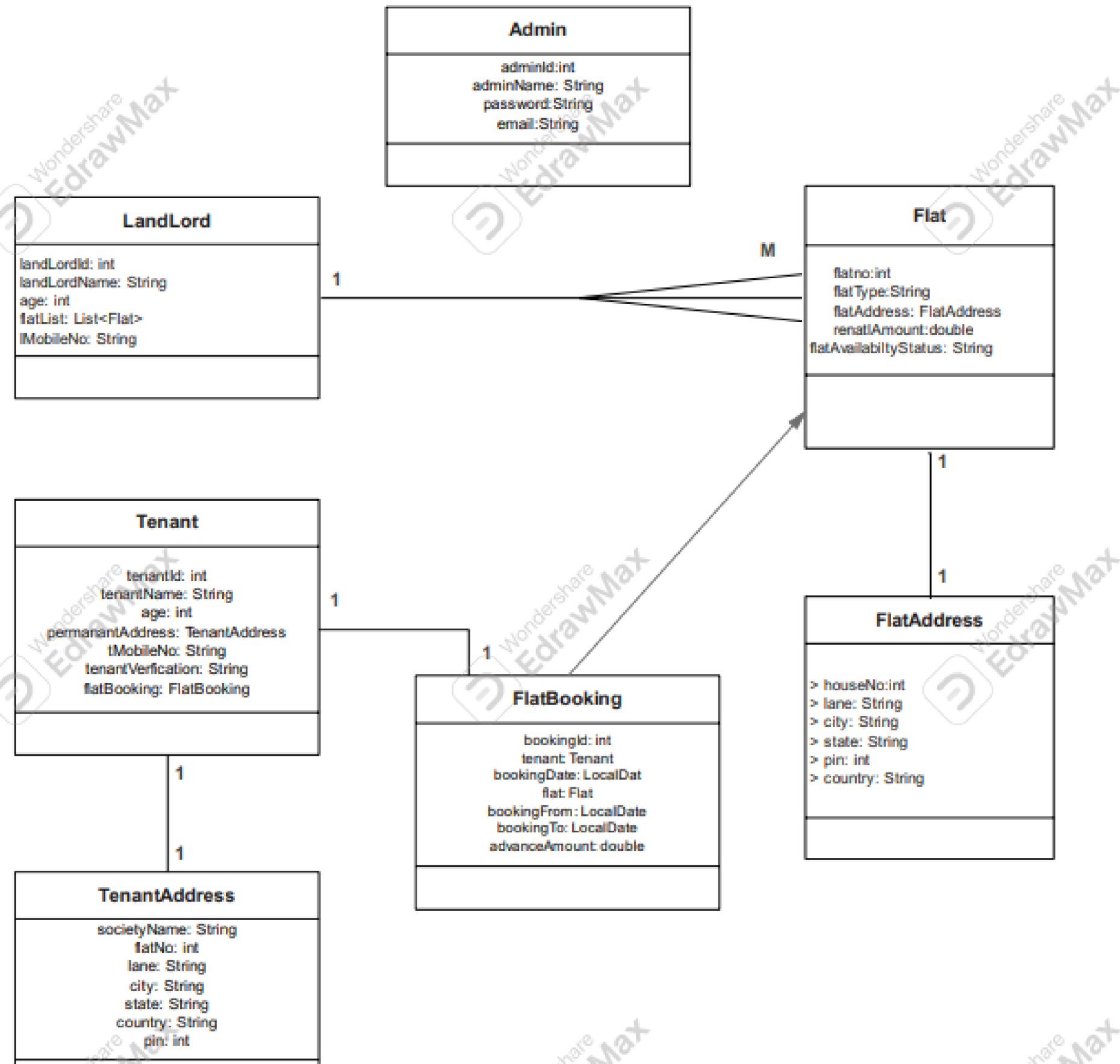
LANDLORD

**FLAT
BOOKING**

USE CASE DAIGRAM



Class Design



SERVICE INTERFACE

FlatService

```
+Flat serviceFlat(Flat Flat) ;  
+Flat updateFlat(Flat Flat) ;  
+Void deleteFlat(int flatId) ;  
+Flat viewFlatById(int flatId);  
ListViewAllFlatsByCost(float cost)
```

FlatBooking Service

```
+flatBooking placeAFlatboking(FlatBooking  
                                flatbooking) ;  
+FlatBookingViewBookingById(int bookingId)  
    +void deleteBooking(int bookingId);  
    + void acceptBooking(int bookingId);  
    + void denybooking(int bookingId);  
string viewbookingStatusById(int bookingId);
```

TenantService

```
+Tenant addTenant(Tenant tenant) ;  
+Void deleteTenantById(int tenantId) ;  
    +List<Tenant>viewListOfTenants( );  
+Tenant viewTenantById(int tenantId);
```

Landlord Service

```
+Lanlord saveLandlord(Landlord landlord);  
+Landlord updateLandlord(Landlord landlord);  
    +void deleteLandlord(int landlordId);  
+ Landlord viewLandlordById(int landlordId);  
    +List<Landlord> viewAlllandlord() ;
```


USER STORIES

Landord can add, delete flat, can accept and reject booking

- 1.If Landlord is Registered successfully return Registered Landlord details.
- 2.Add a flat and view the details of the newly added flat. If the add fails,return<error message>.
- 3.Delete the existing flat and you will receive a confirmation of deletion. If the delete fails, return<error message>.
- 4.Accept the booking request and you will receive a confirmation message.If any exception occurs return <error message>.
- 5.Reject the booking request and you will receive a rejection confirmation. If the rejection fails, return <error message>.

Tenant can view available flats, request for apartment, view status

- 1.If tentant is Registered successfully return Registered Tentant details.If registration fails, return <error message>.
2. View all available flats.
- 3.Request for apartment reservation and confirmation of request. If the request fail, return <error message>.
- 4.View the status of my reservation. If status request fails, return <error message>.