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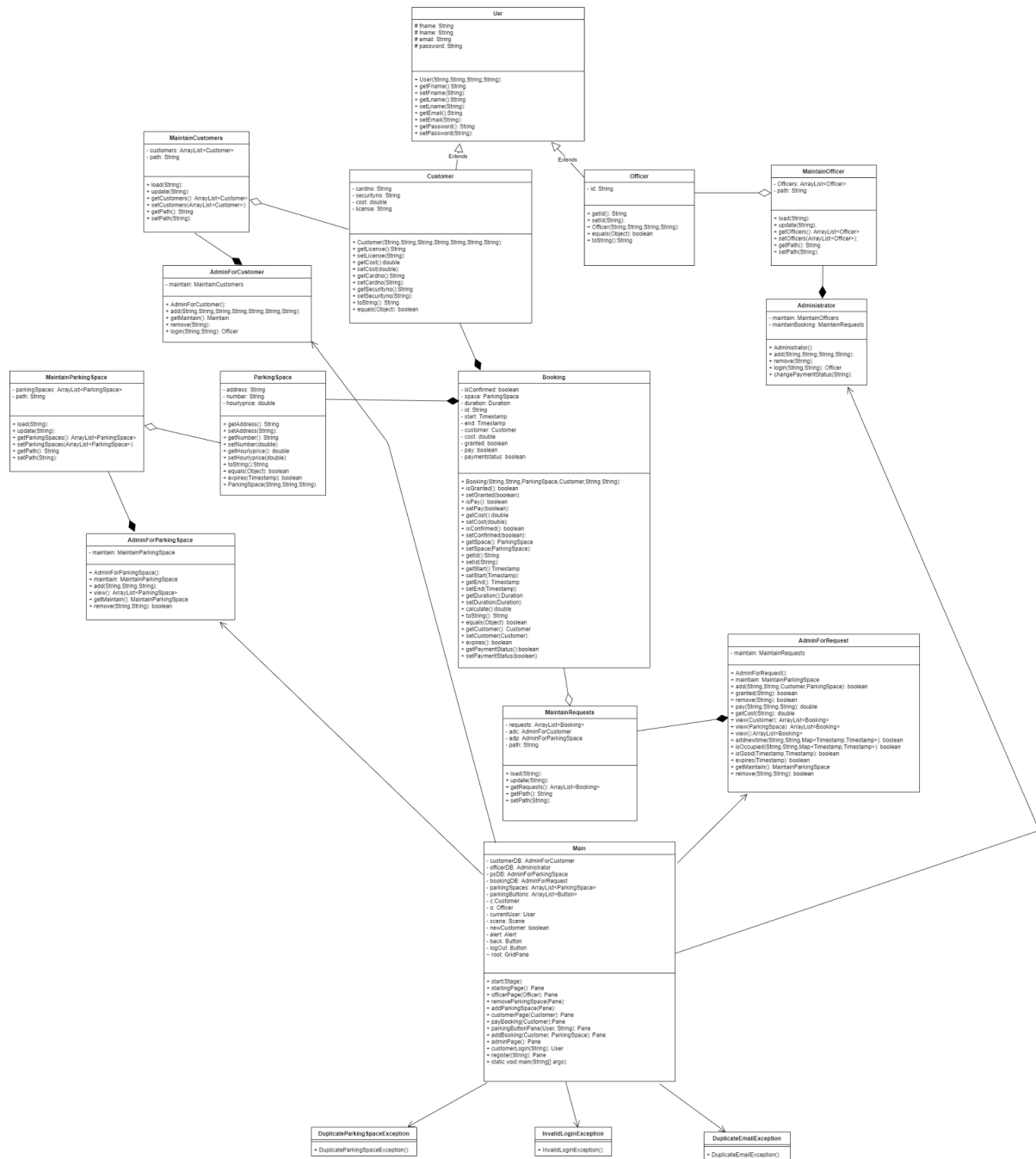
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EECS 3311 final project report

1. Class diagram

2. Requirement implementation

For this part of the report, I made a video to show how this application works and

How the requirements in the project specification are fulfilled.

Video link: https://www.youtube.com/watch?v=2707fgwZpTo

3. Junit test coverage graph

Element	Coverage	Covered Instru...	Missed Instruct...	Total Instructio...
3311_project_demo	46.8 %	2,128	2,422	4,550
src	46.8 %	2,128	2,422	4,550
application	0.0 %	0	1,946	1,946
backend	81.7 %	2,128	476	2,604
AdminForRequest.java	67.5 %	371	179	550
Booking.java	73.6 %	206	74	280
Administrator.java	71.1 %	123	50	173
ParkingSpace.java	56.2 %	45	35	80
AdminForParkingSpace.java	79.1 %	121	32	153
Customer.java	74.5 %	70	24	94
MaintainCustomers.java	90.5 %	133	14	147
MaintainOfficers.java	88.7 %	110	14	124
MaintainParkingSpace.java	87.0 %	94	14	108
AdminForCustomer.java	91.2 %	124	12	136
MaintainRequests.java	95.1 %	196	10	206
TestForProject.java	97.9 %	414	9	423
Officer.java	92.6 %	75	6	81
Account.java	0.0 %	0	3	3
User.java	100.0 %	46	0	46

As the junit test code coverage graph shows, non GUI classes which are the classes in the

backend package have been covered with 81.7%

4.comment difference from my initial design and my final design

(1) My initial design in the midterm was not considering the database side of the program. My final design has fulfilled the connection between the current application and the database side

(2) My initial design was not considering the interface part of the application. Initial design was just working on the backend part. My final design considered how to implement the interface part.

(3) My initial design has some error on the attribute of the booking class, in the final design I fix those design errors of the booking class.

(4) My initial design was not considering that there should be some code to build an interface between the java code and the database. Now I fixed it.