

# COMP2911 Assignment 1

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## Use Cases:

1. Rental system store the list of campervan and its location
2. Customers send a request to rental system to make a booking
3. Customers change their bookings
4. Customers cancel their bookings
5. Rental system check customers' booking whether full filled or not
6. Rental system allocate campervans from depot to user
7. Rental system display the booking details to user
8. Rental system display bookings in a particular depot

## Walkthrough:

1. Customers send a booking request to rental system
2. Rental system check the request if fulfilled
3. Rental system ask the depot whether the campervans is available or not
4. Rental system assign campervans to the booking
5. Booking be created successful and the booking detail display to user

In assignment 1, customer object is unnecessary due to the input file is the request of the customer.

# CRC:

Request	
Maintain id & number of Campervans & startDate & endDate	Rental system
Provide main system request data	

Depot	
Maintain depot location & ID & list of Campervan	Rental system
Store campervans	Campervan

Campervan	
Maintain campervan name & transmission & ID	Depot
Provide Campervan information	

## Booking

Maintain booking  
id & StartDate &  
EndDate &  
location list &  
camp Id

Check availability  
of campervan

Check sessions

RentalSystem

## Rental system

Maintain request &  
Depot list &  
Booking list

Check bookings

Check the request  
is fulfilled

make/delete/change  
bookings

Print

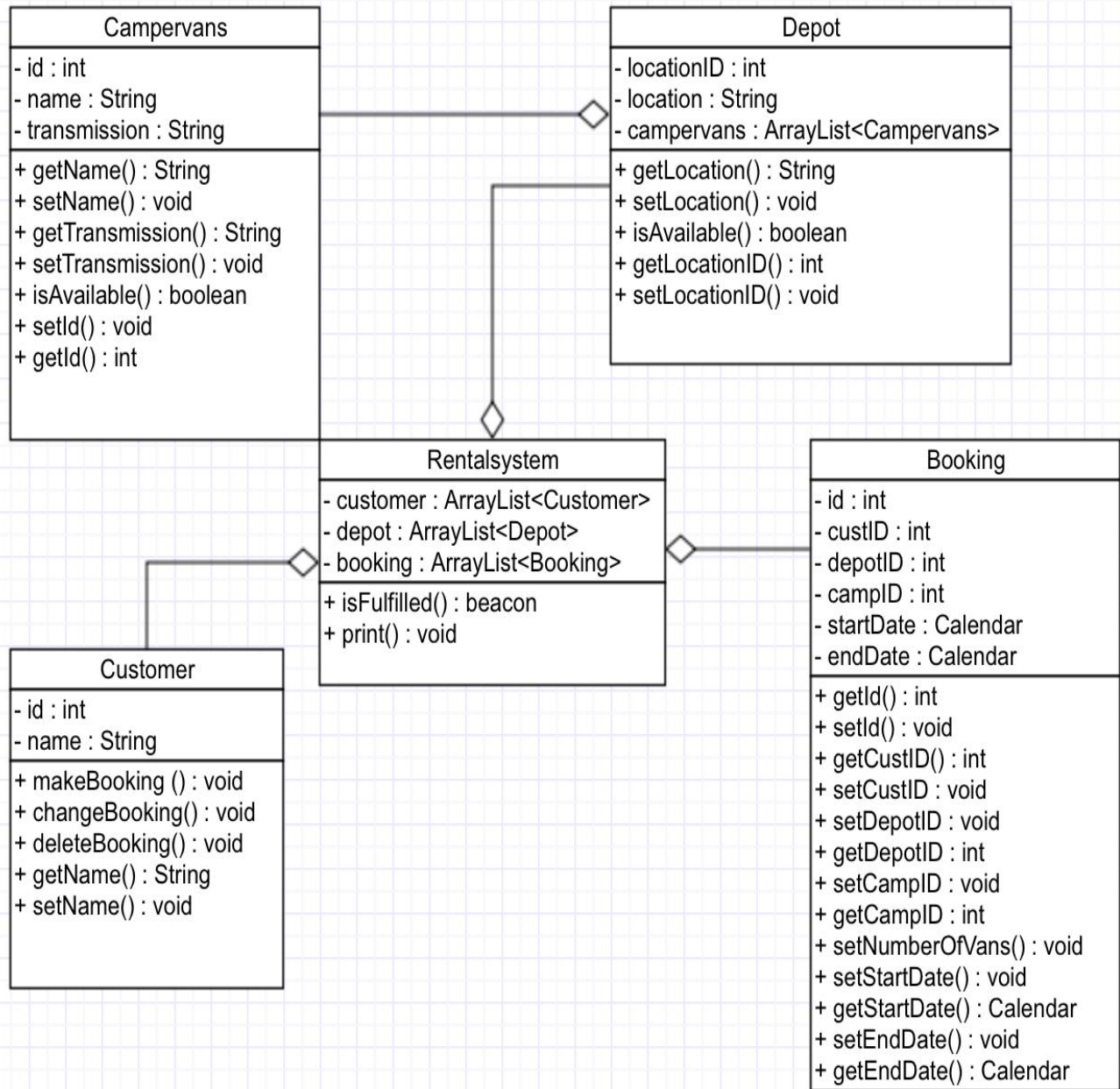
Depot

Booking

Request

## UML:

The first version design(before implement)



Final version of the UML design(after finished the java code)

