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Trip Planner

Domain model
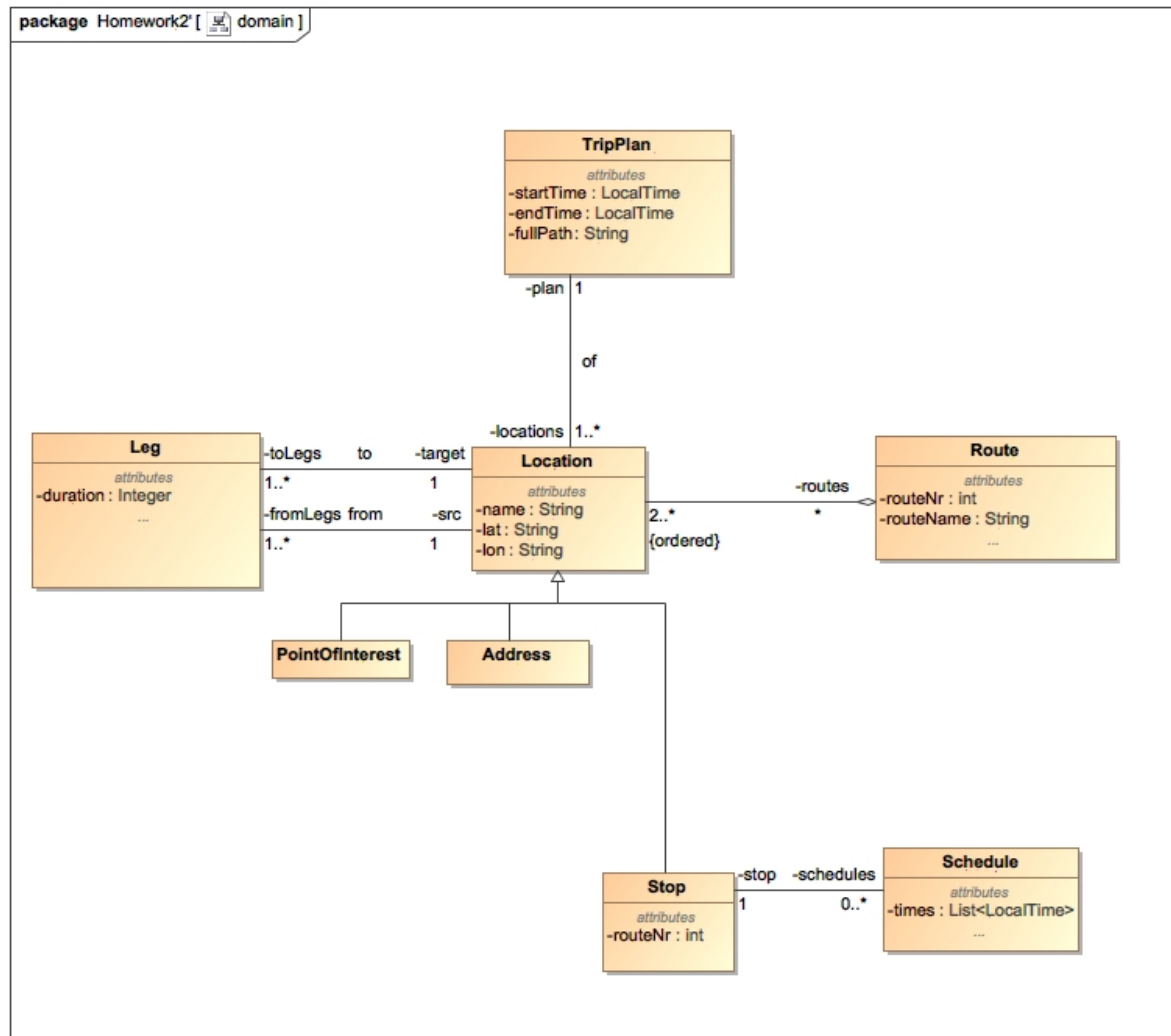
Model 1 Domain model

Use case

Actor:	User
Description:	Creating trip plan
Triggers	-
Preconditions:	Source location GPS coordinates are known Destination location GPS coordinates are known Time of departure is known (hh:mm format) GPS coordinates of Locations should be in Tallinn All Tallinn locations should be available
Postconditions:	Trip plan is generated for given source location to destination.
Success scenario:	User inserts source and destination location coordinates and date of departure and trip is shown for user.
Alt scenarios:	-
Exceptions:	At least one of given locations is not in Tallinn Given date is in past Date format is incorrect GPS coordinates format is wrong

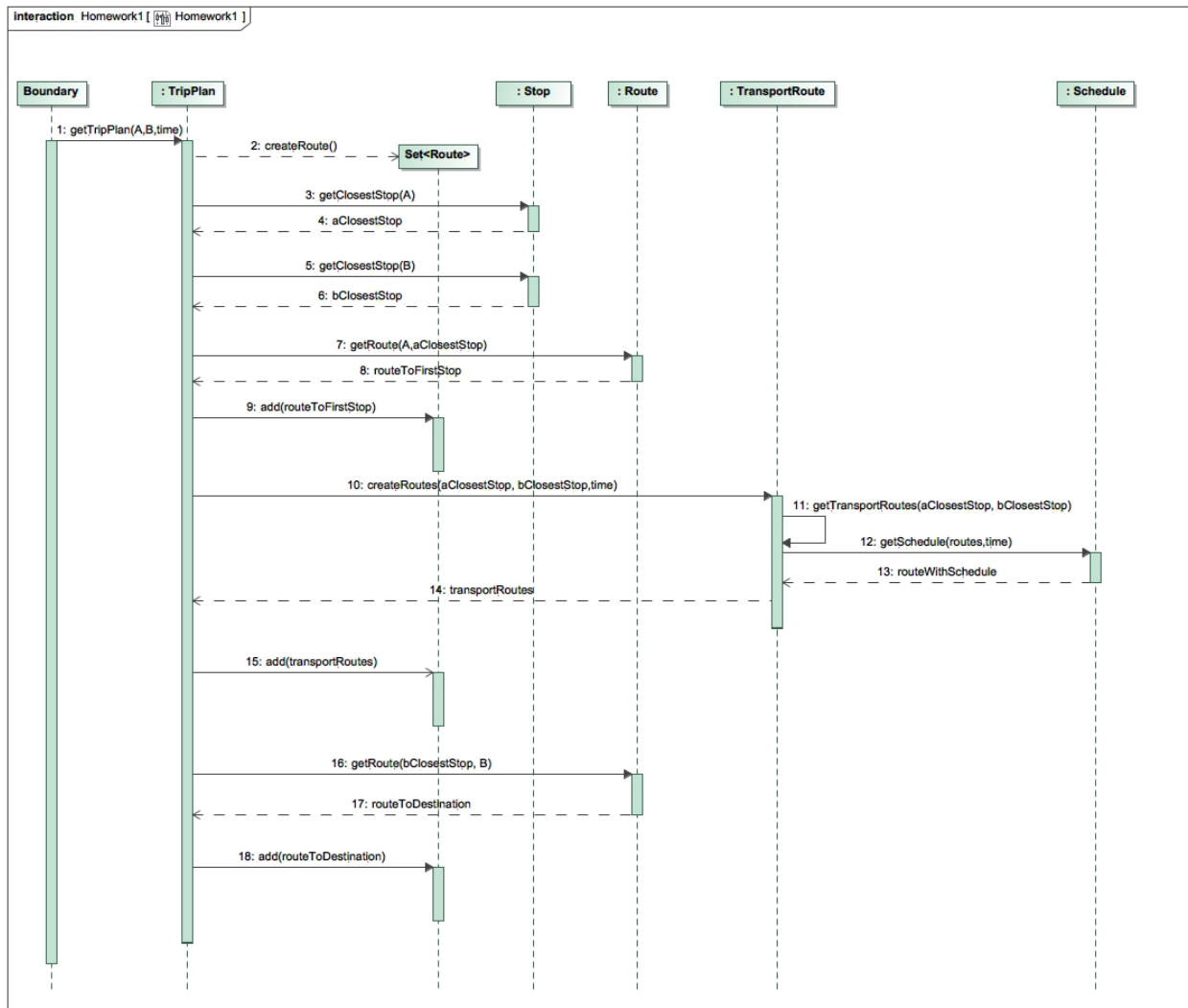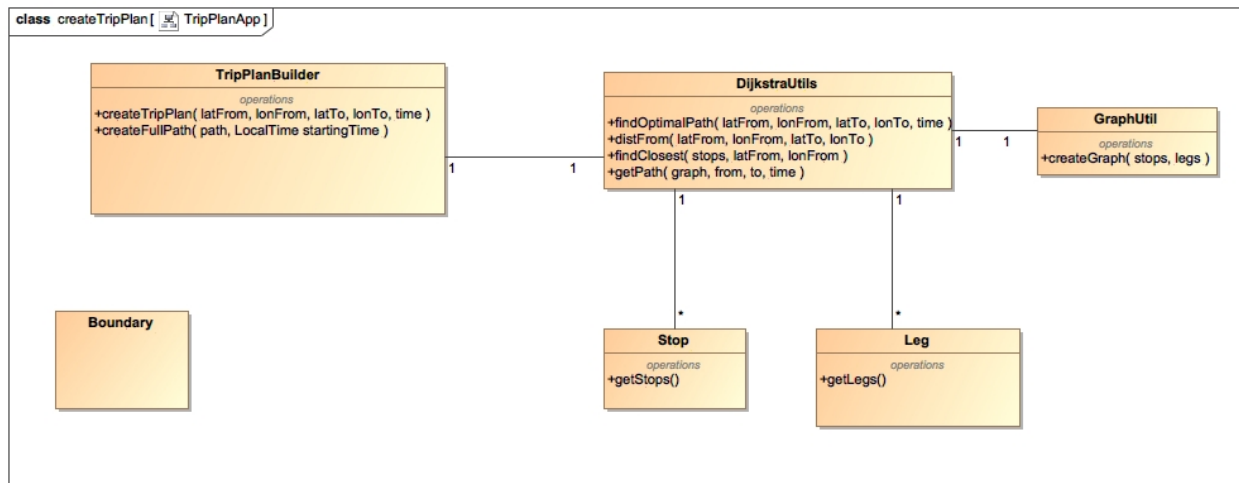*Table 1 Creating app use case*

Sequence diagram

Diargram 1 Sequence diagram create trip plan

Application model

Model 2 Application model