The start and end points of a Ride or RideRequest
are represented by the Location class.

Location
+address
+creation_date
+rides_from
+rides_to
-geo_point
+get_addressname()
+get_googlekey()
+get_lat_loc()
-__unicode__()
+get_by_address()

-<<to go from>>

-<<to go to>>

-<<goes from>>

-<<goes to>>

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RideRequestMessage
+riderequest : RideRequest
+author : RoadmateUser
+style()

The abstract class Message is implemented by three
classes which represent the three types of messages
users can post to RoadMate:
   on the Ride (as RideMessage),
   the RideRequest (as RideRequestMessage),
   and as Feedback on other users (FeedbackMessage)

RideRequest
+source : Location
+destination : Location
+created
+date
+departure_time
+arrival_time
+notes
+seats
+owner : RoadmateUser
+get_name()

-<<has>>

-<<owns>>

-<<writes>>

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Ride
+owner : RoadmateUser
+source : Location
+destination : Location
+date
+departure_time
+arrival_time
+created
+notes
+passengerrequests : PassengerRequest
+seats : Seat
+ridemessages : RideMessage
+count_seats()
+count_emptyseats()
+count_passengers()
+is_passenger()
+is_full()
+status()
+create_seats()
+get_name()

The RideRequests are publicly visible, so that
potential drivers can view them and assess
demand for offering a ride they might not
otherwise consider offering.

RoadmateUser
+user
+first_name
+last_name
+town
+phone
+registration_date
+rides : Ride
+ridemessages : RideMessage
+feedback_received : FeedbackMessage
+riderequestmessages : RideRequestMessage
+feedback_placed : FeedbackMessage
+feedback_score()
+feedback_image()
+get_name_tag()
-__eq__()
-__ne__()
+get_current_user()
+get_by_user()

-<<owns>>

-<<writes>>

-<<places>>

-<<makes>>

-<<assigned>>

Message
+created
+title
+text
-__unicode__()

RideMessage
+author : RoadmateUser
+ride : Ride
+style()

FeedbackMessage
+ride : Ride
+author : RoadmateUser
+recipient : RoadmateUser
+role
+text
+icon()

-<<regarding>>

-<<has>>

-<<receives>>

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PassengerRequest is created by the
RoadmateUser to indicate their request
to be assigned a Seat on a
particular instance of Ride.

PassengerRequest
+owner : RoadmateUser
+ride : Ride
+created

-<<is placed on>>

-<<contains>>

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Seat
-ride : Ride
+acceptedDateTime
+passenger : RoadmateUser
+assign()
-__unicode__()

If the PassengerRequest is accepted, the PassengerRequest
entity is deleted and its owner is assigned to the Seat's passenger attribute