

MYES Bus Ticketing System	
Design Diagrams	Date: 30/04/2021

# MYES Bus Ticketing System Design Diagrams

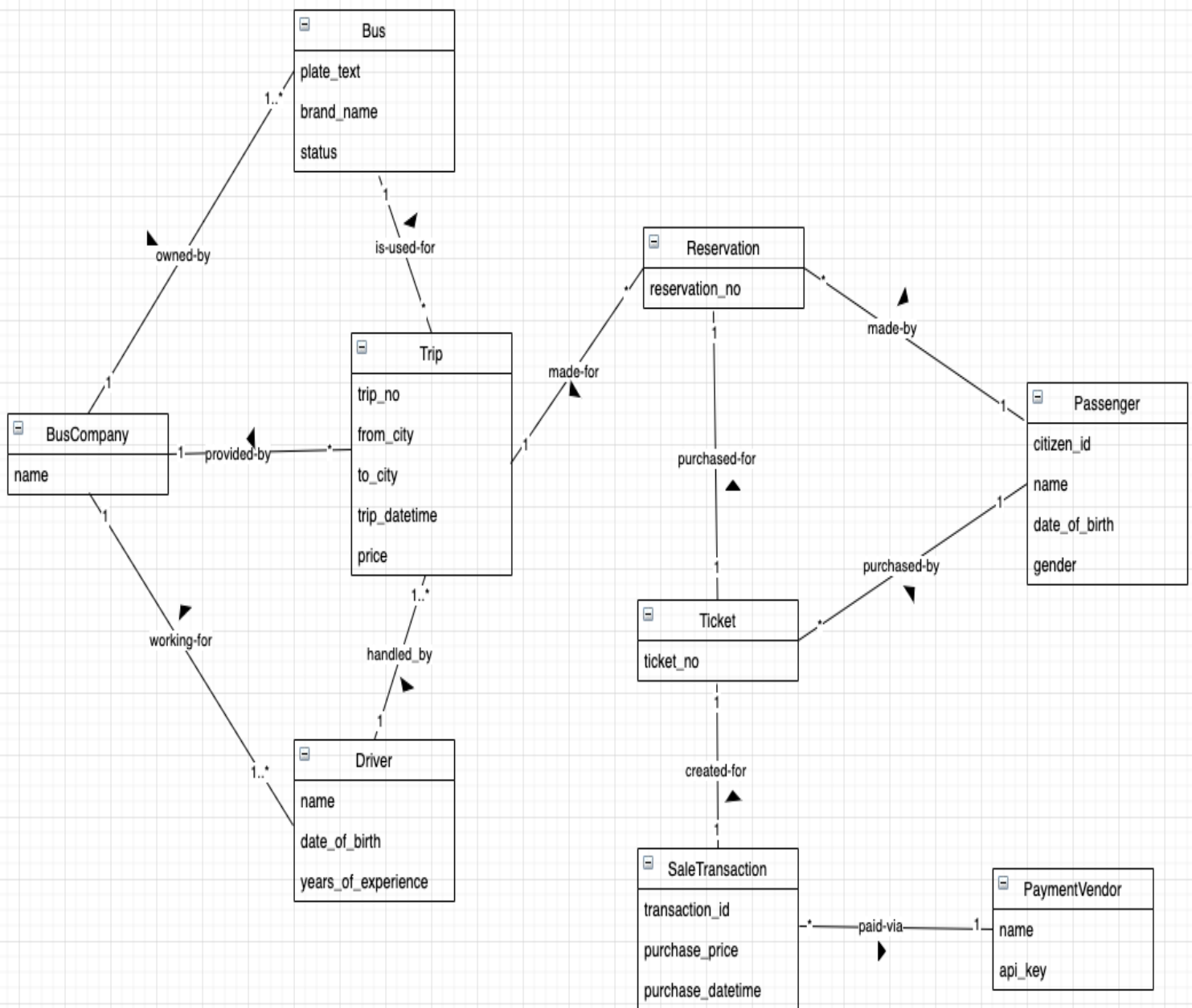


## Revision History

Date	Author(s)	Description	Version
30/04/2021	Serdar Mumcu	Initial Version	v1.0
08/05/2021	Serdar Mumcu	Review updates have been made.	v1.1
28/05/2021	Serdar Mumcu	Class diagrams and system sequence and interaction diagrams are extended.	v1.2
05/06/2021	Serdar Mumcu	ManageTrip's system sequence diagram is updated according to the accepted review item.	v1.3

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## 1 Domain Model

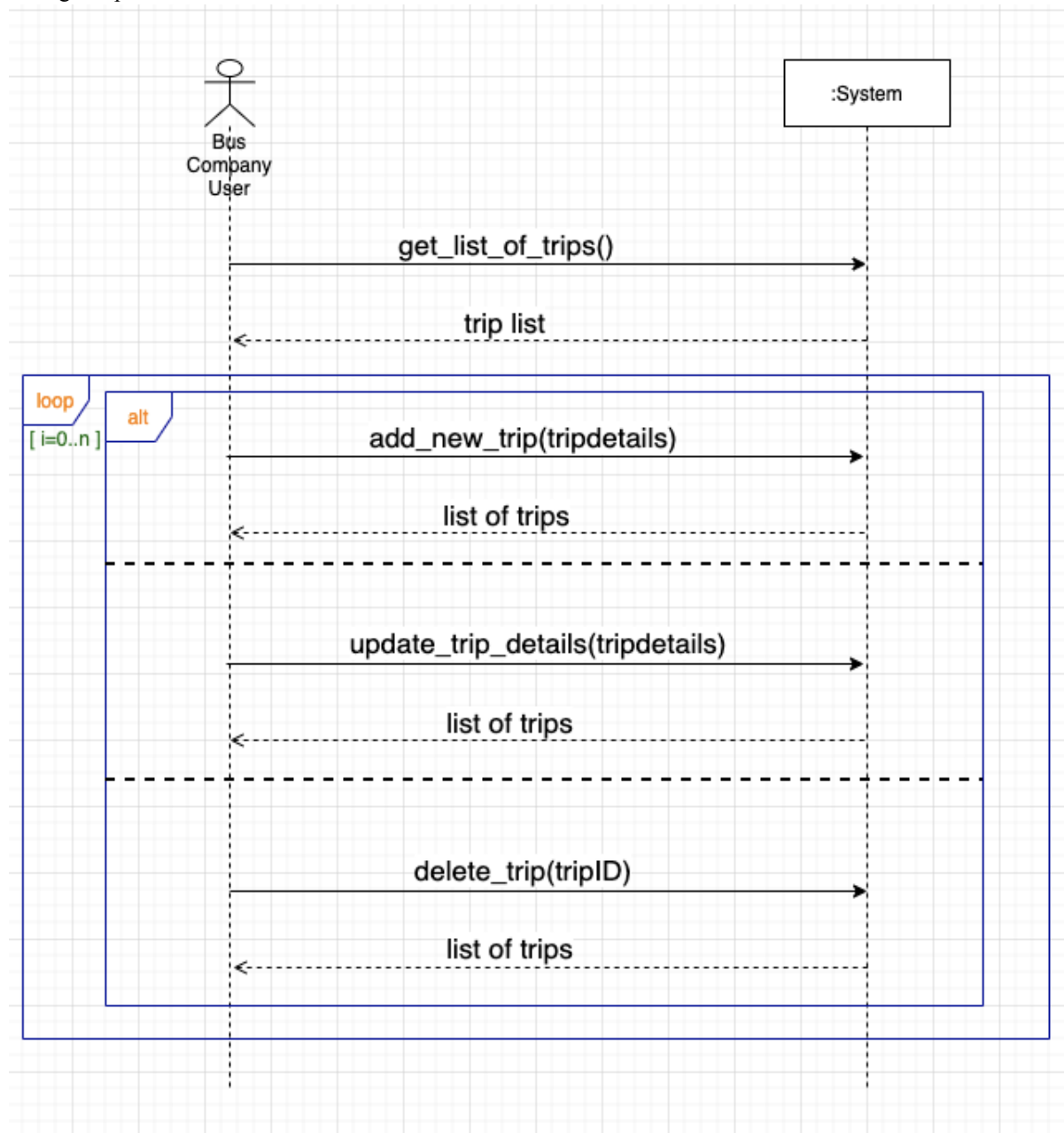


## 2 System Sequence Diagram

We have selected UC3 (Manage Trip) and UC9 (Manage Reservations) as the most Architecturally important 2 use-cases for the Iteration3, we decided to include their diagrams in this section.

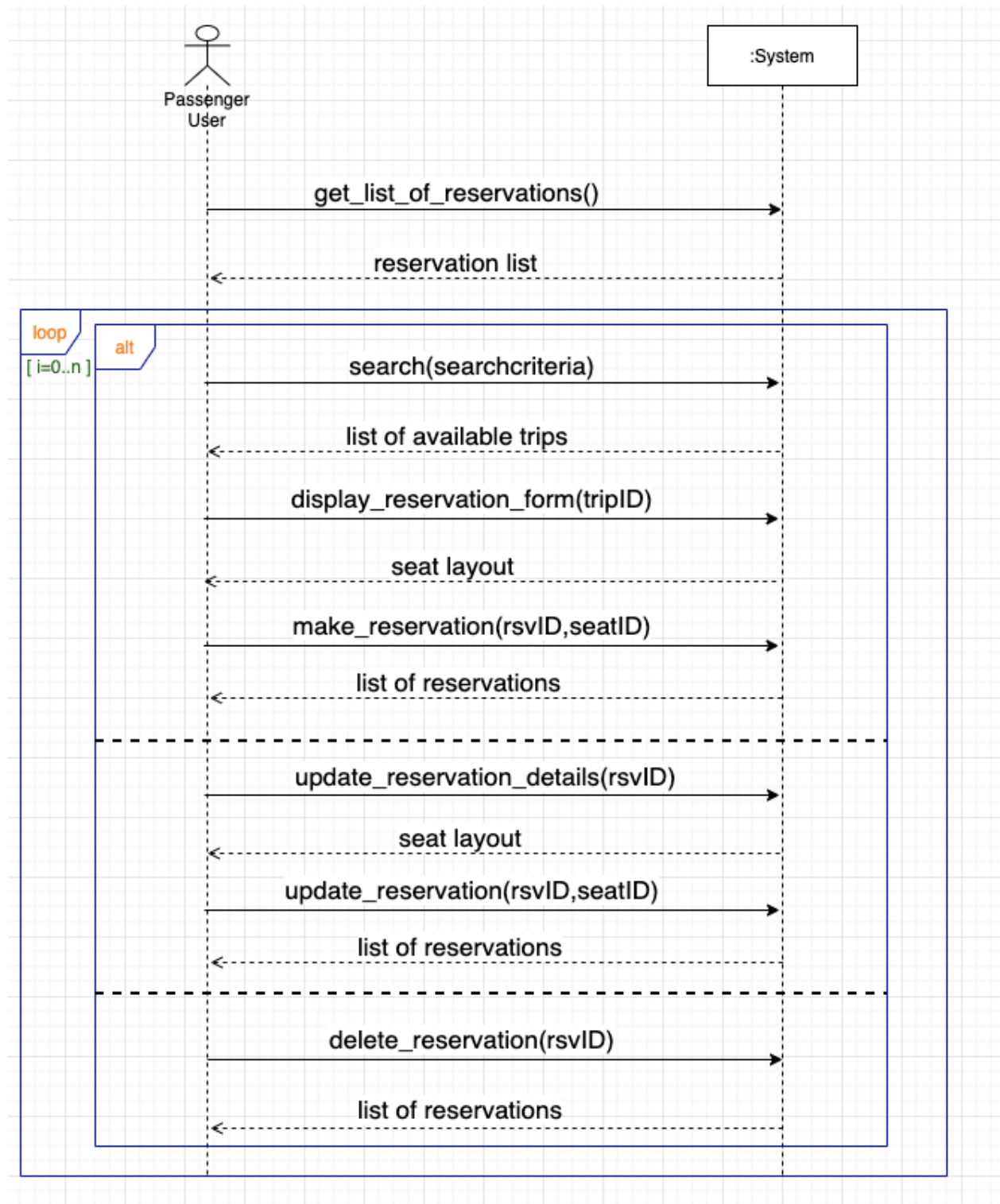
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## Manage Trip



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## Manage Reservations

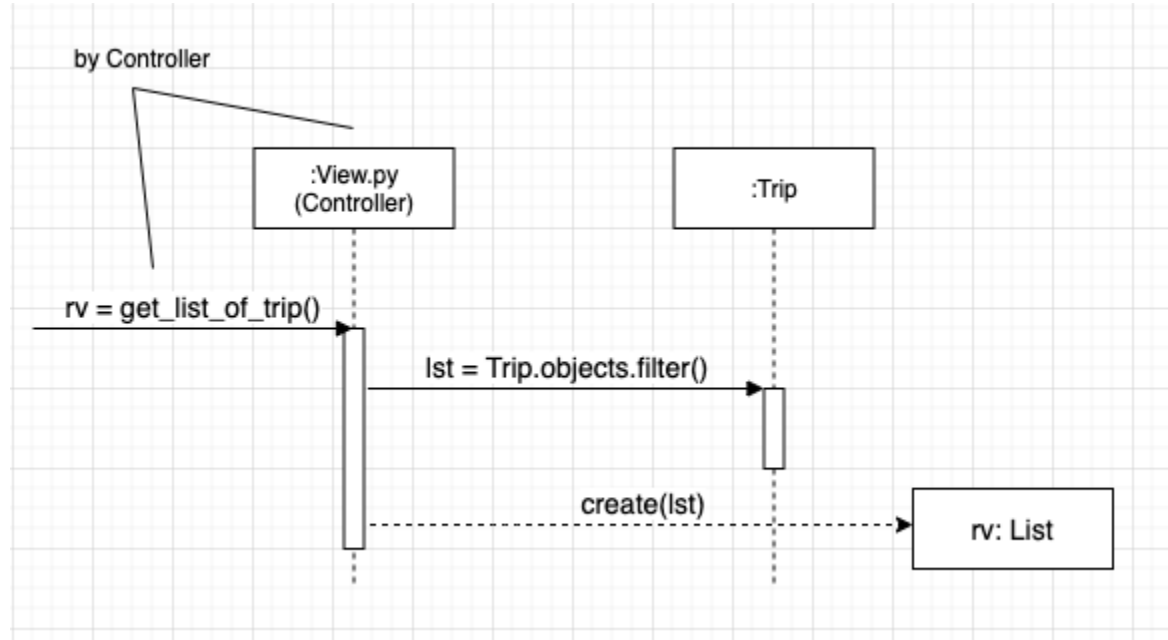


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### 3 Interaction Diagrams

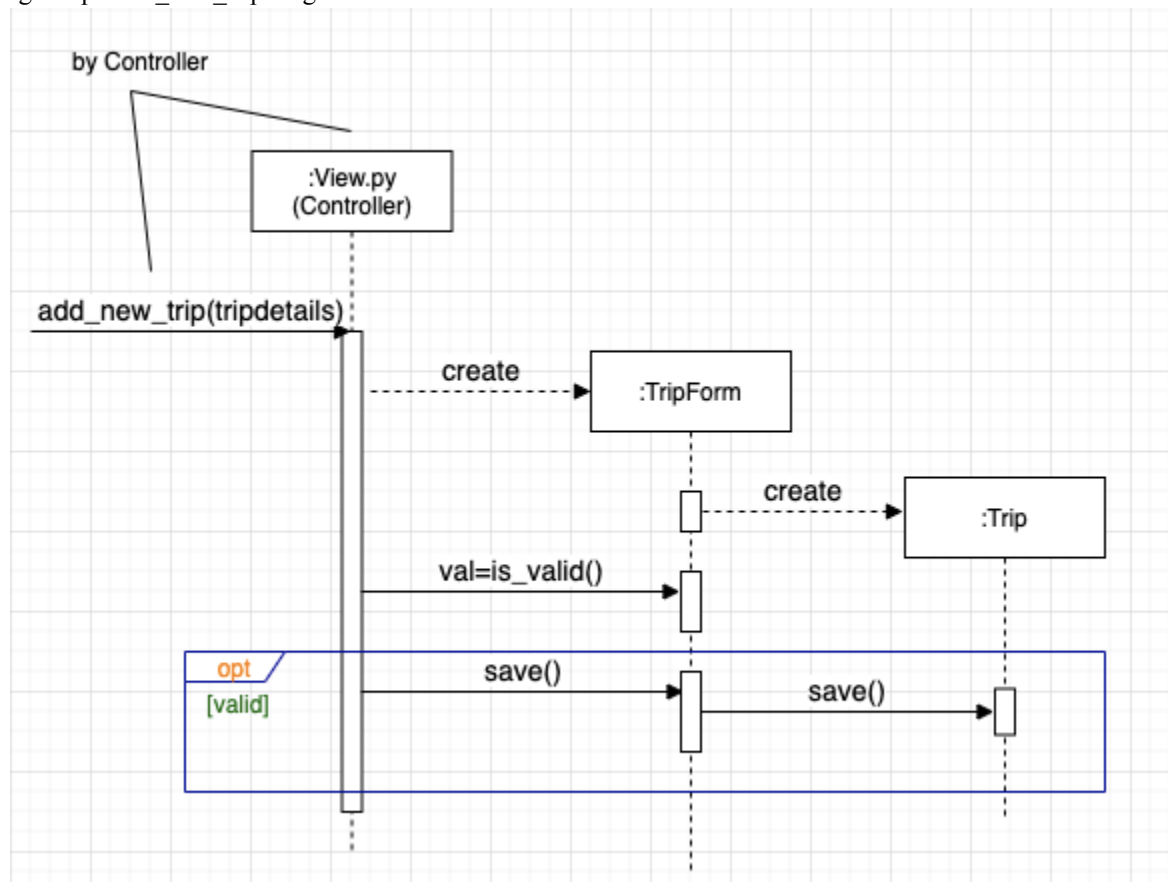
Following interaction diagrams are the detailed interaction diagrams of the system sequence diagram given in the previous section.

Manage Trip - get\_list\_of\_trips diagram



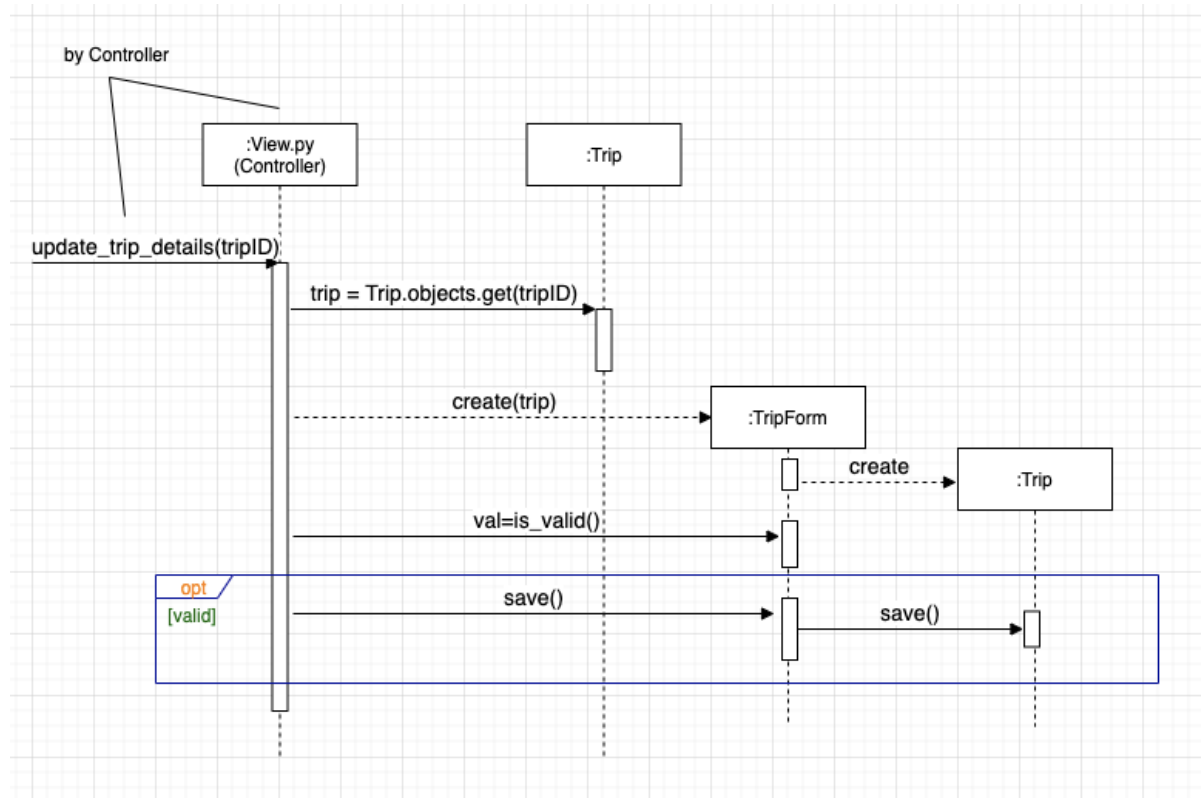
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Manage Trip - add\_new\_trip diagram

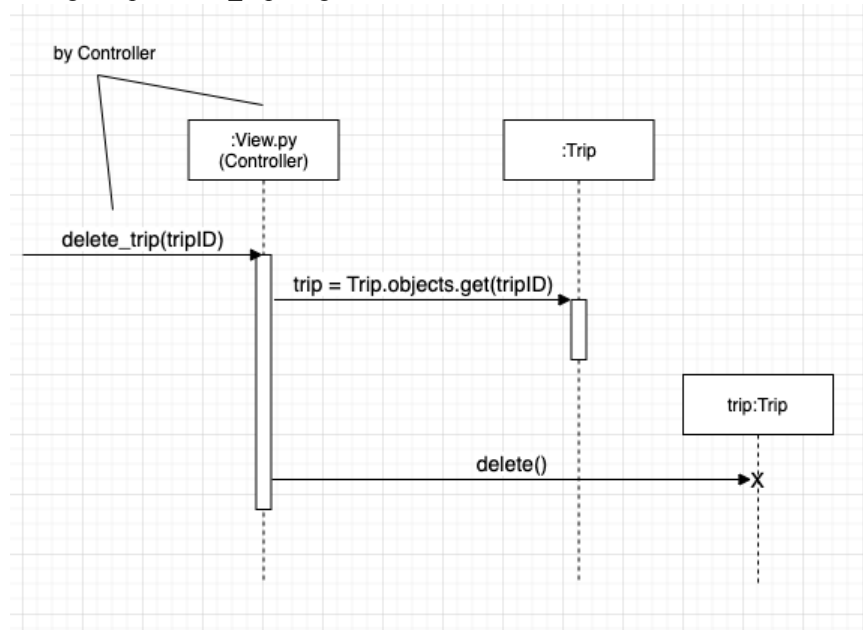


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Manage Trip - update\_trip\_details diagram

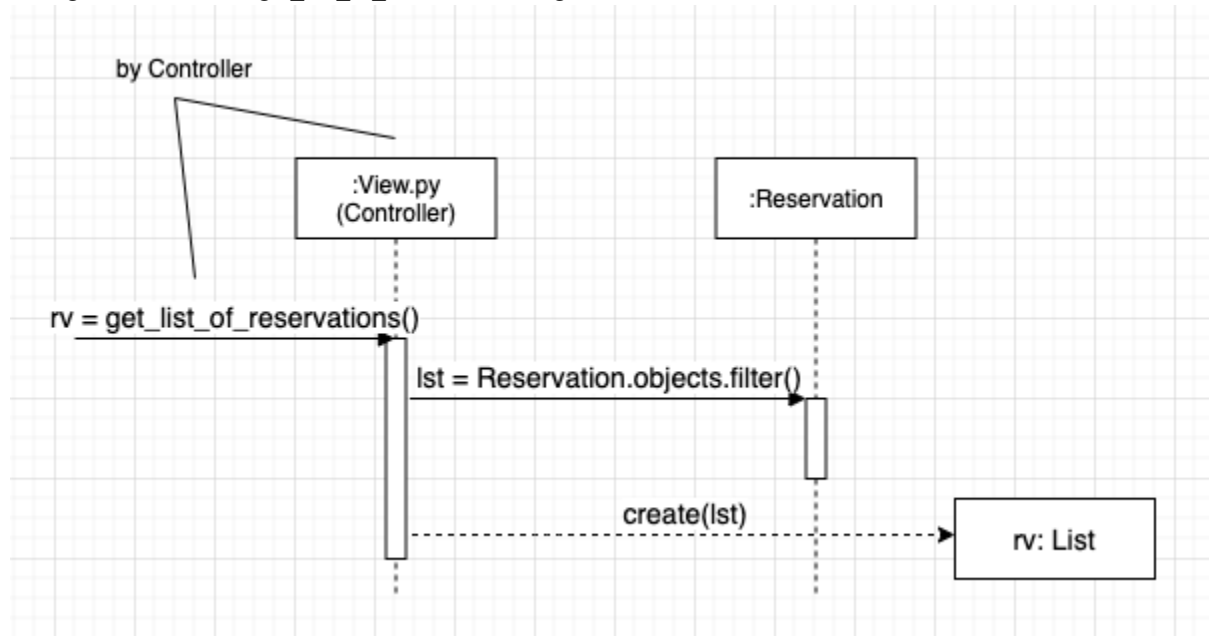


Manage Trip - delete\_trip diagram

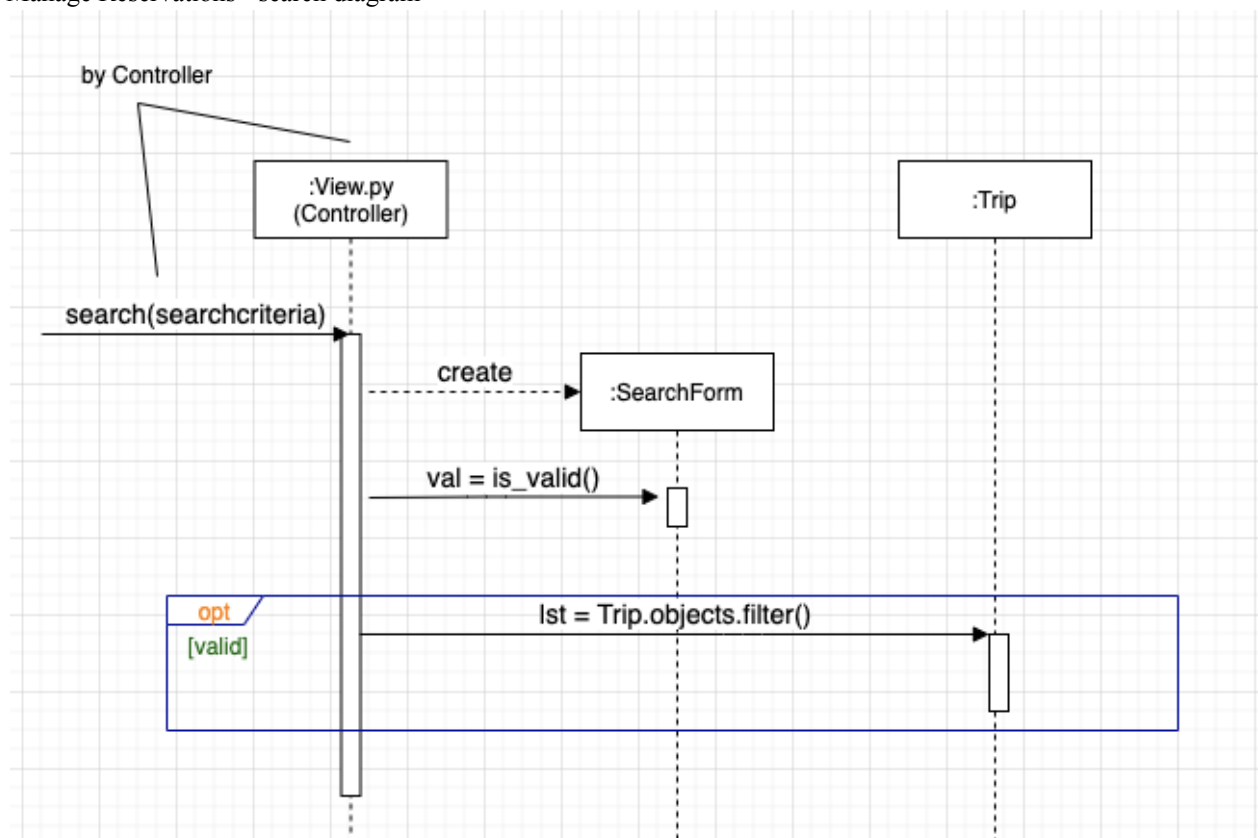


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Manage Reservations - get\_list\_of\_reservations diagram



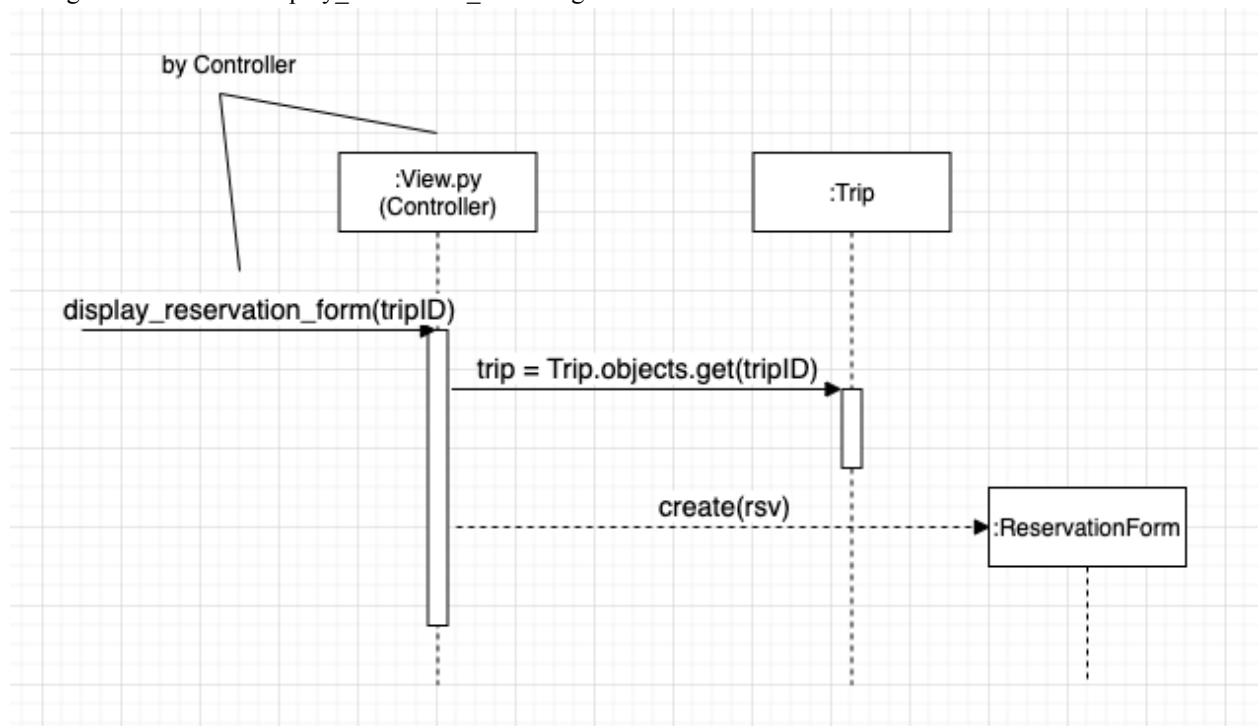
Manage Reservations - search diagram



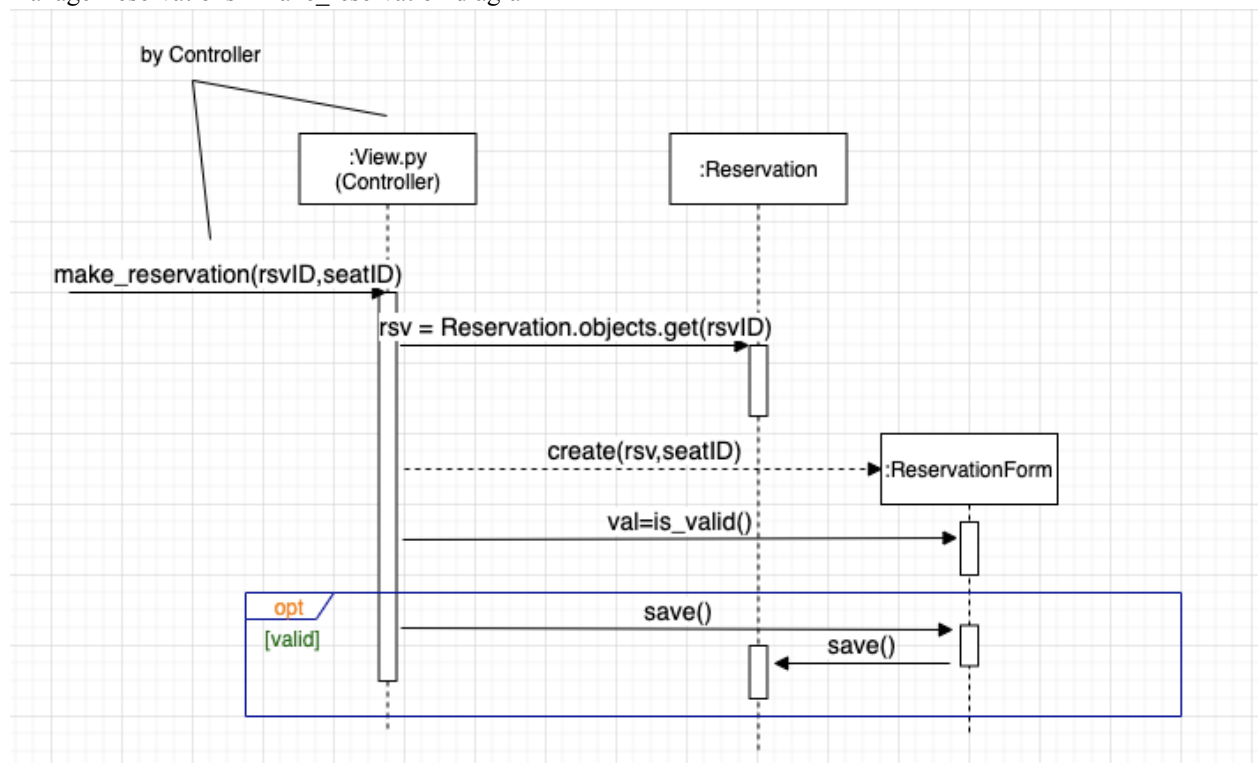


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Manage Reservations - display\_reservation\_form diagram

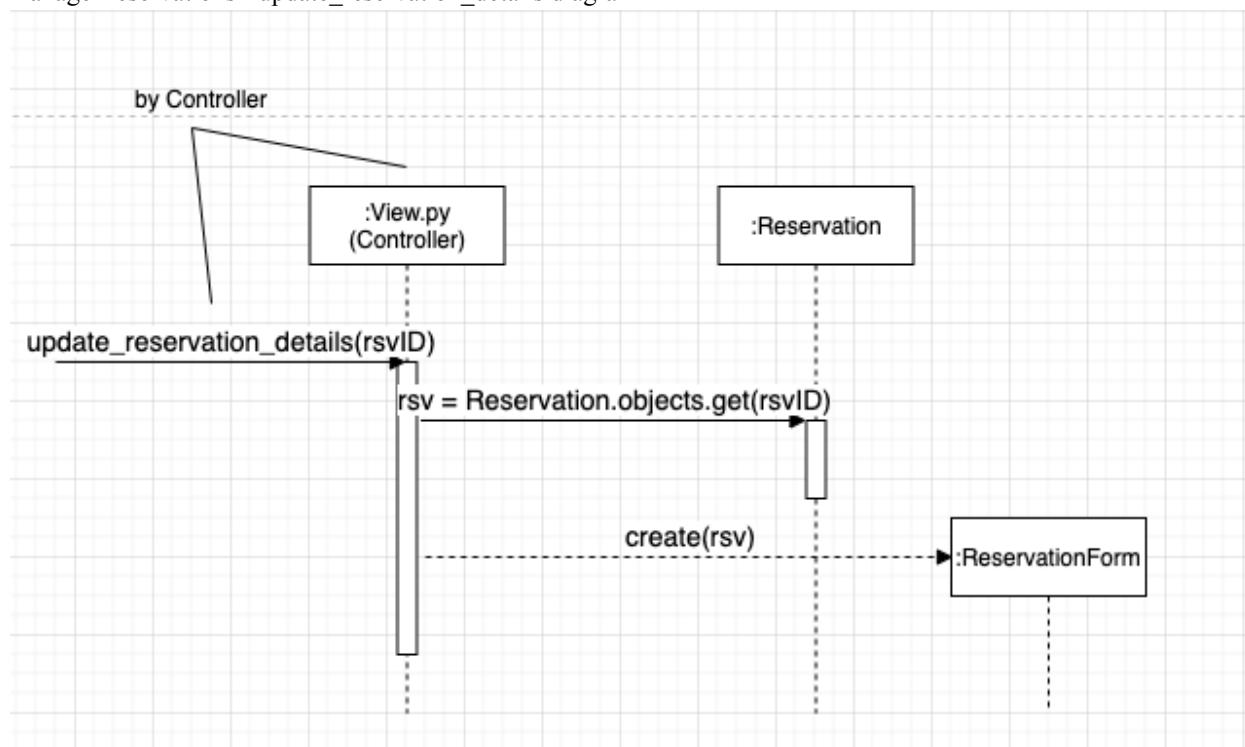


Manage Reservations - make\_reservation diagram



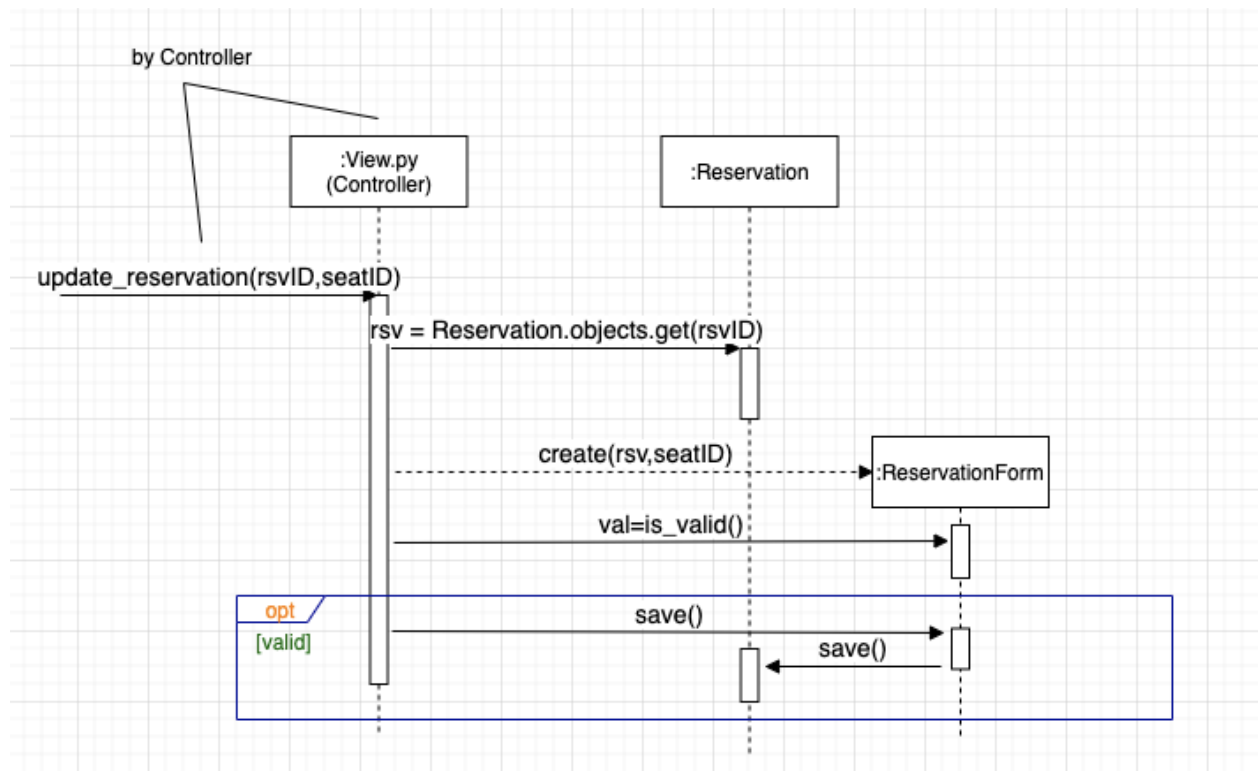
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Manage Reservations - update\_reservation\_details diagram

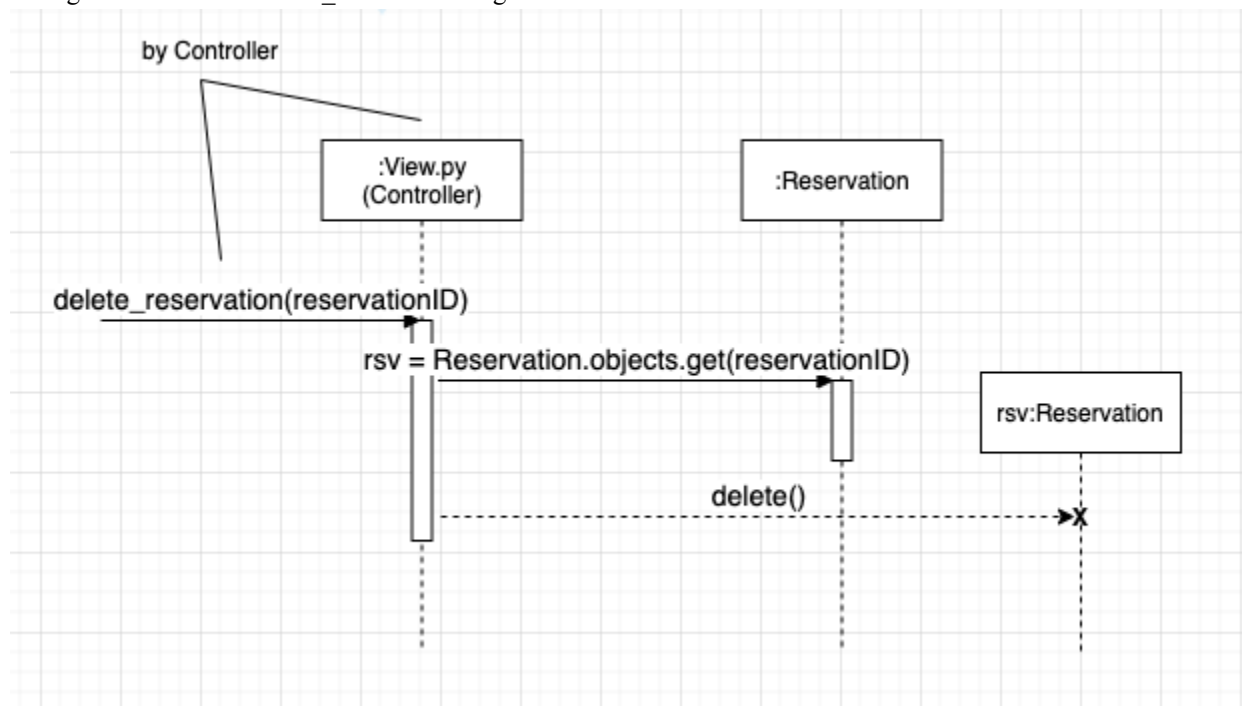


Manage Reservations - update\_reservation diagram

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Manage Reservations - delete\_reservation diagram

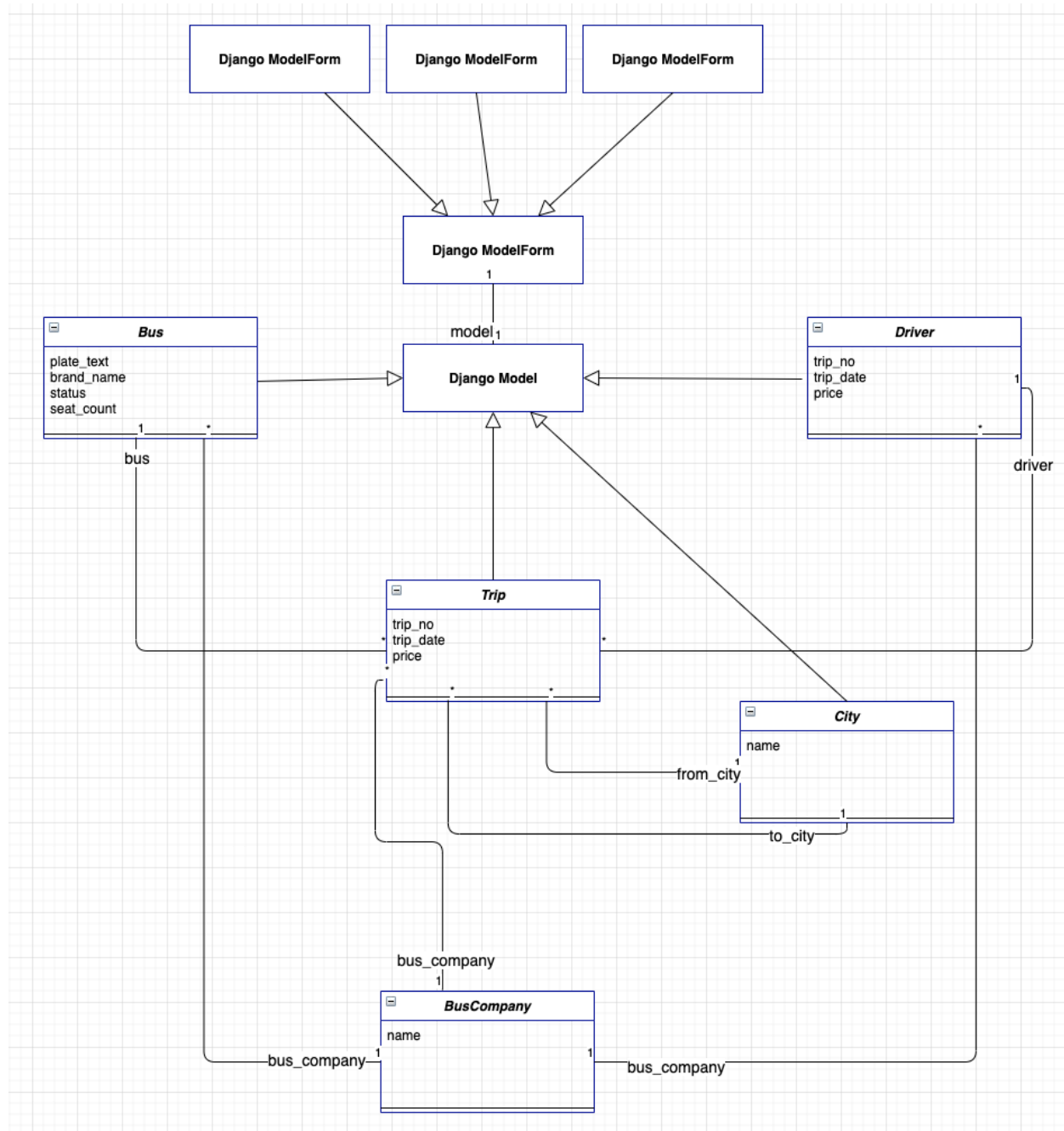


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#### **4 Class Diagram**

Partial class diagrams for the Iteration#2 and Iteration#3 requirements

Class diagram for BusCompany role



Class diagram for Passenger role

