



# Airline Flight Reservation Server

Release 2

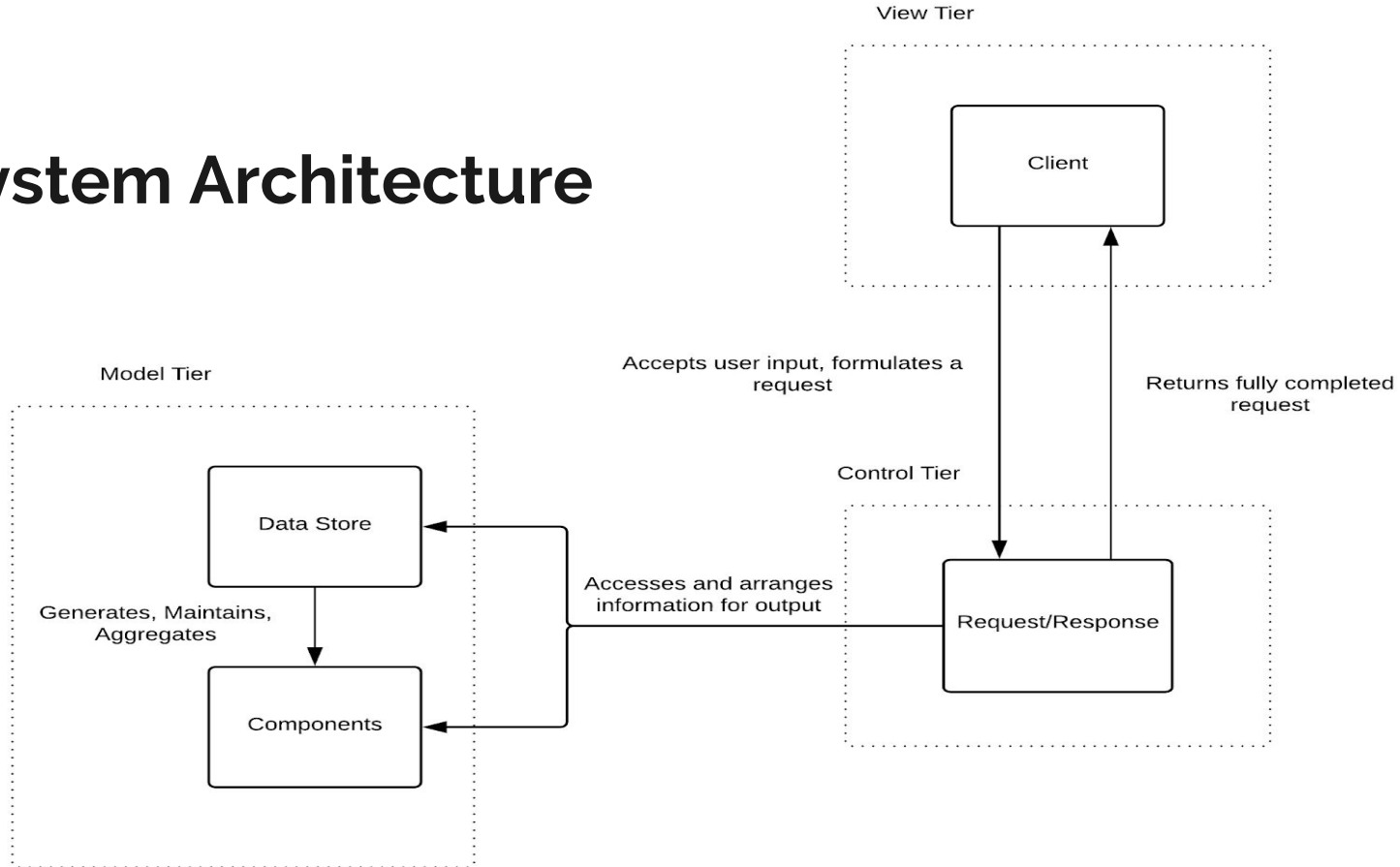
Adam Del Rosso  
Tom Amaral  
Meet Patel  
Shawn Struble



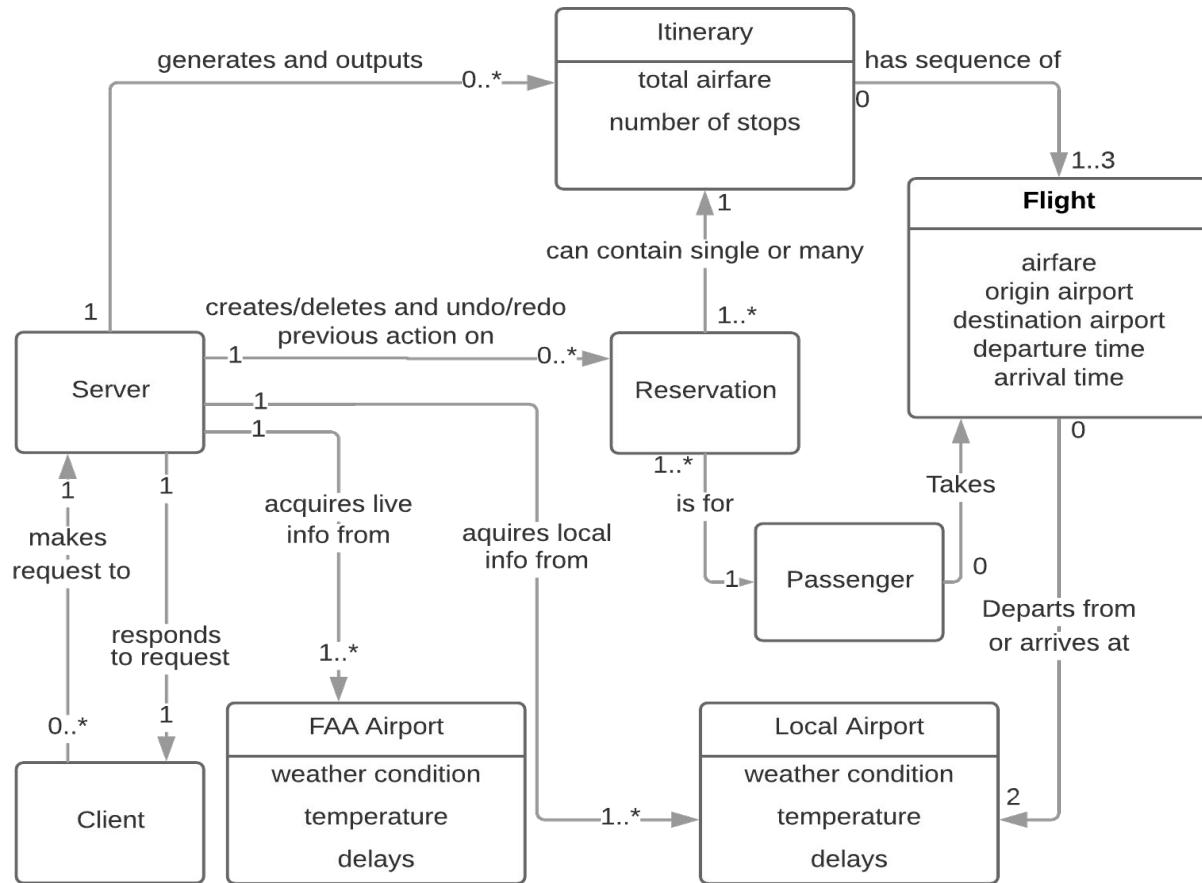
## Updates for Release 2

- **New Undo/Redo Subsystem:** Stateful commands are tracked and stored.
- **New FAA Web Service Subsystem:** Supports switching between local and FAA data services
- **Expanded Client Subsystem:** Added a GUI
- **Multiple Clients:** Utilized observer pattern to allow different model components to track the creation and deletion of new clients and their Id's.

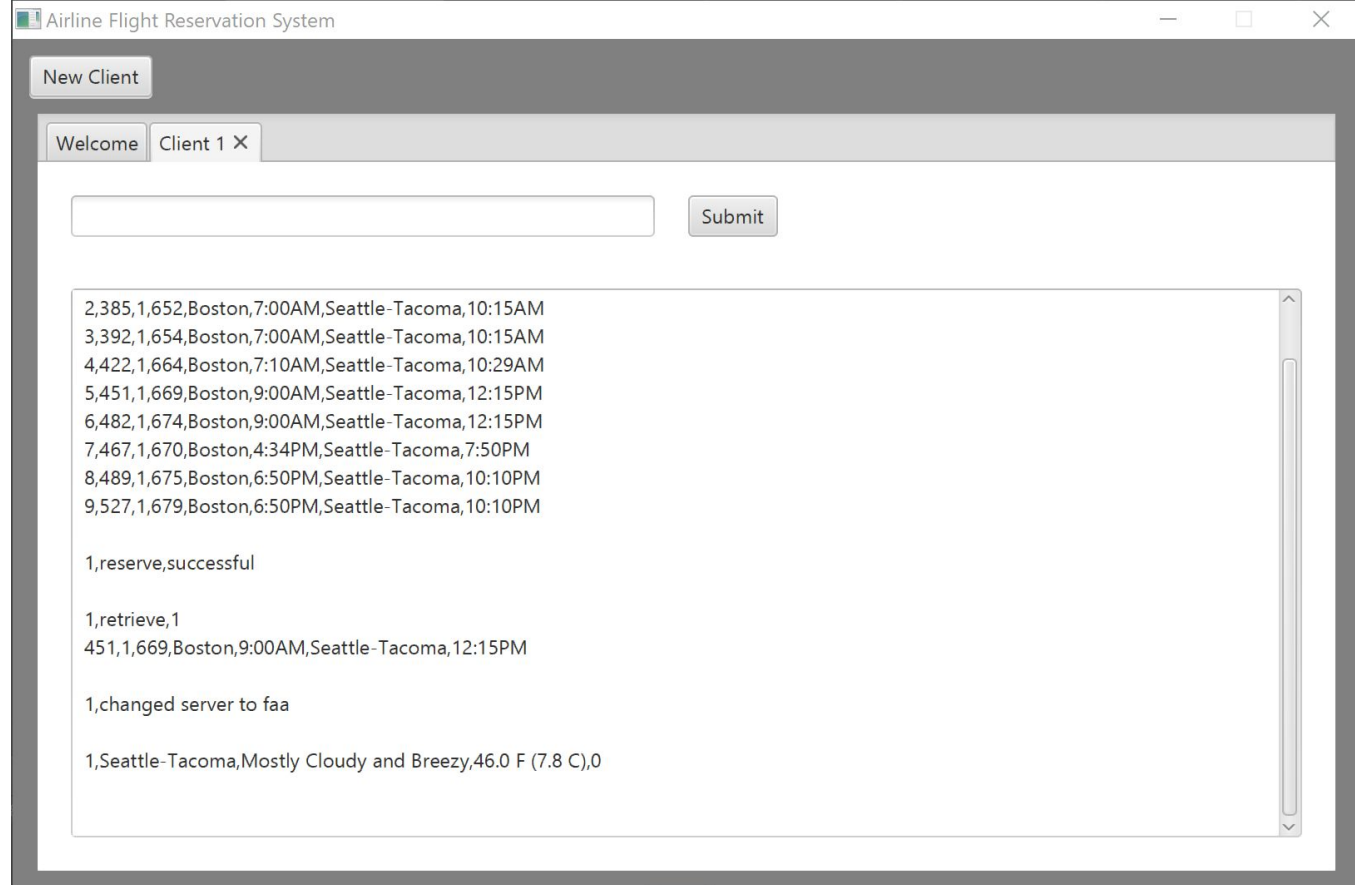
# System Architecture



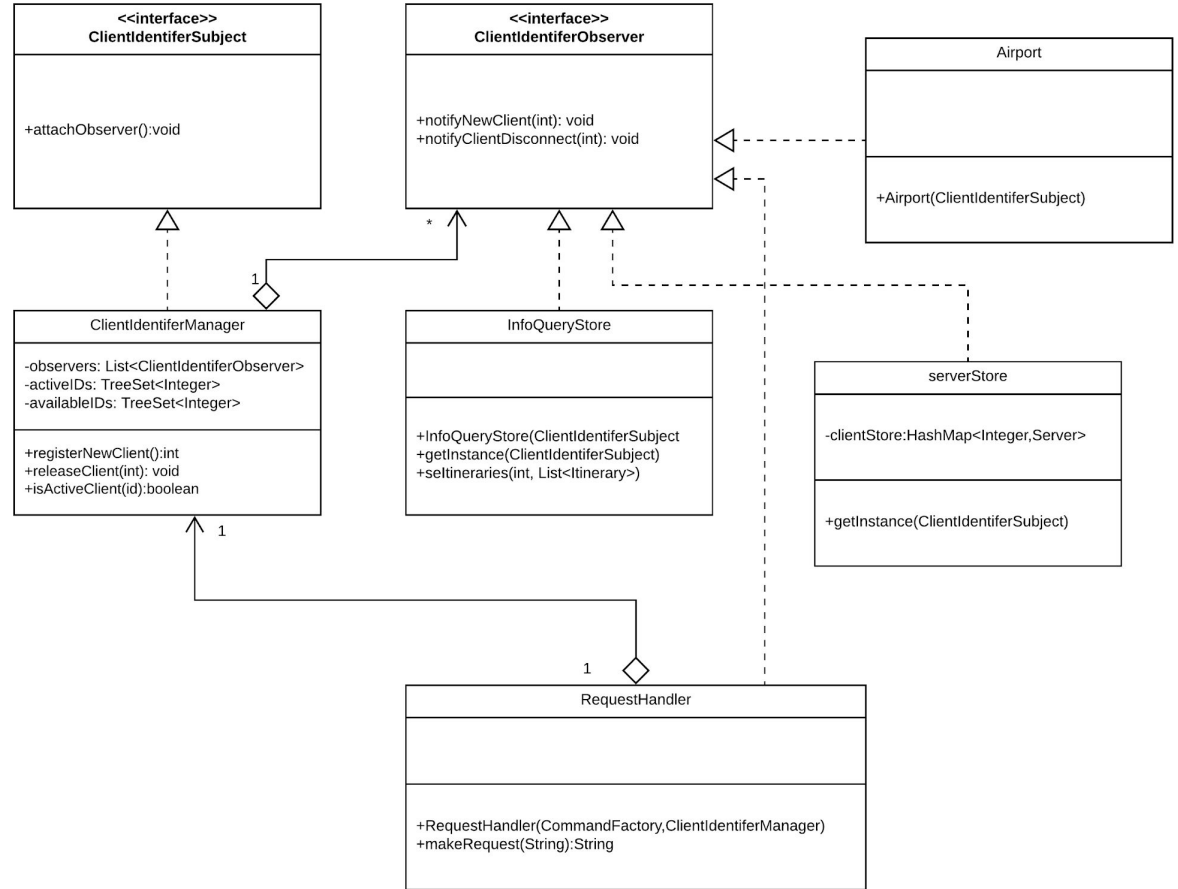
# Domain Model



# Client GUI



# Multi clients

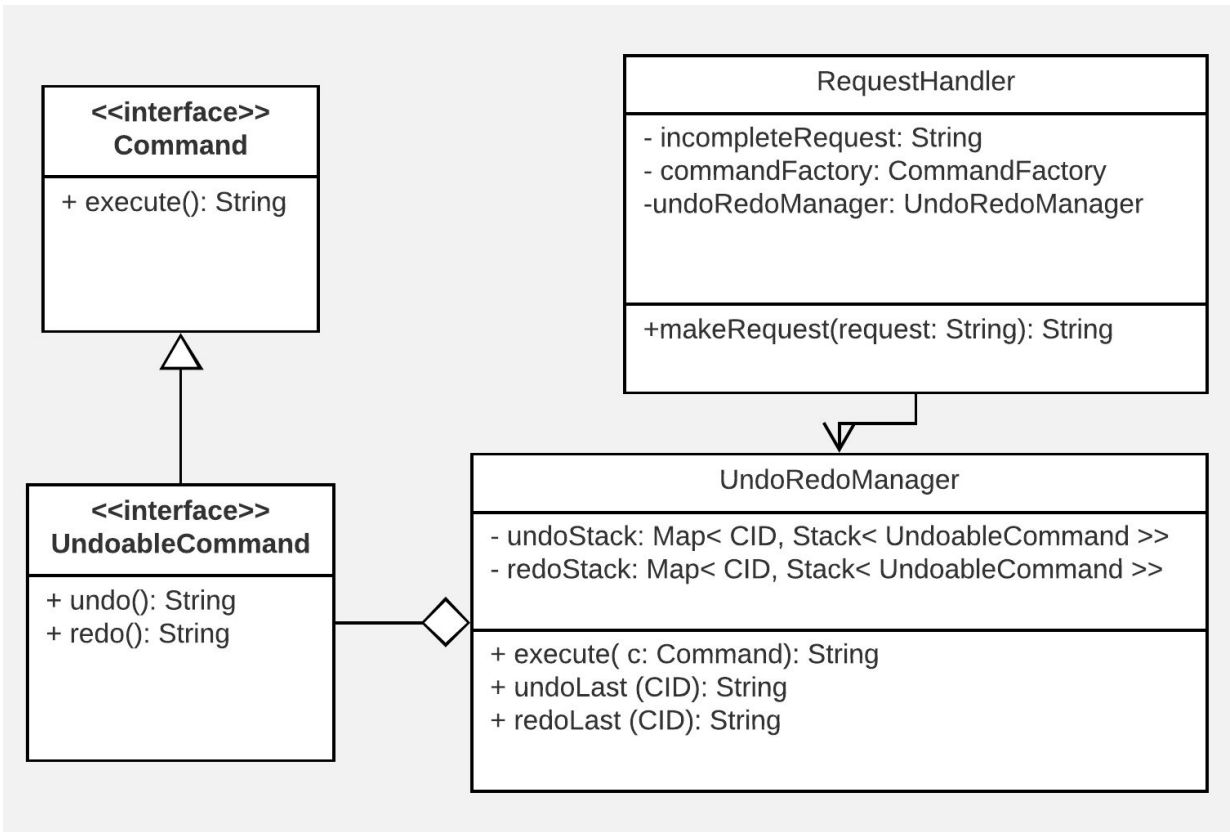




## Undo / Redo

- The Undo / Redo functionality is responsible for storing state changing commands in order to undo a command, or redo a previously undid command. A command is state changing if it changes any of the data Stores (ie: Reserve, Delete).

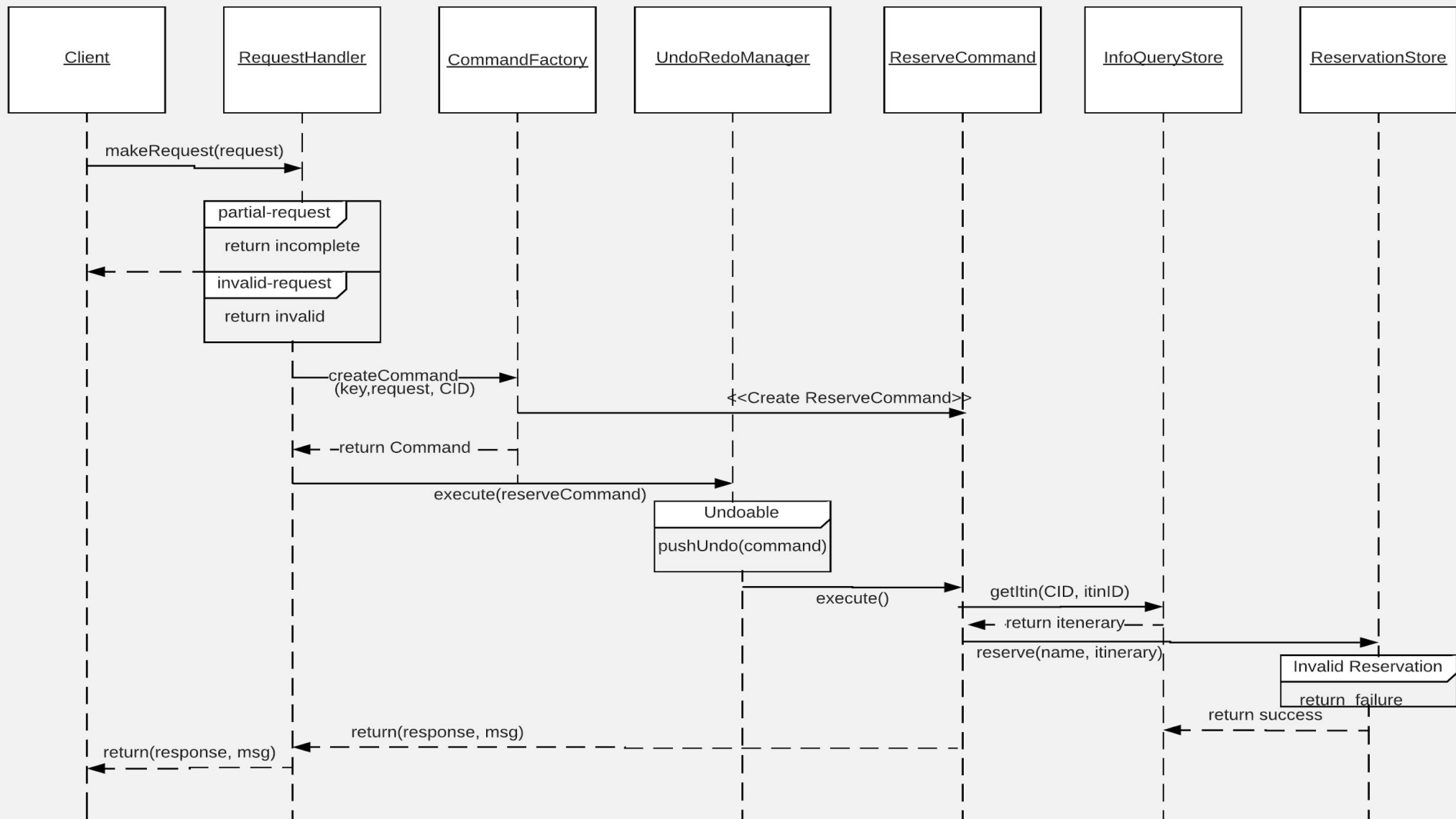
# Undo/Redo UML





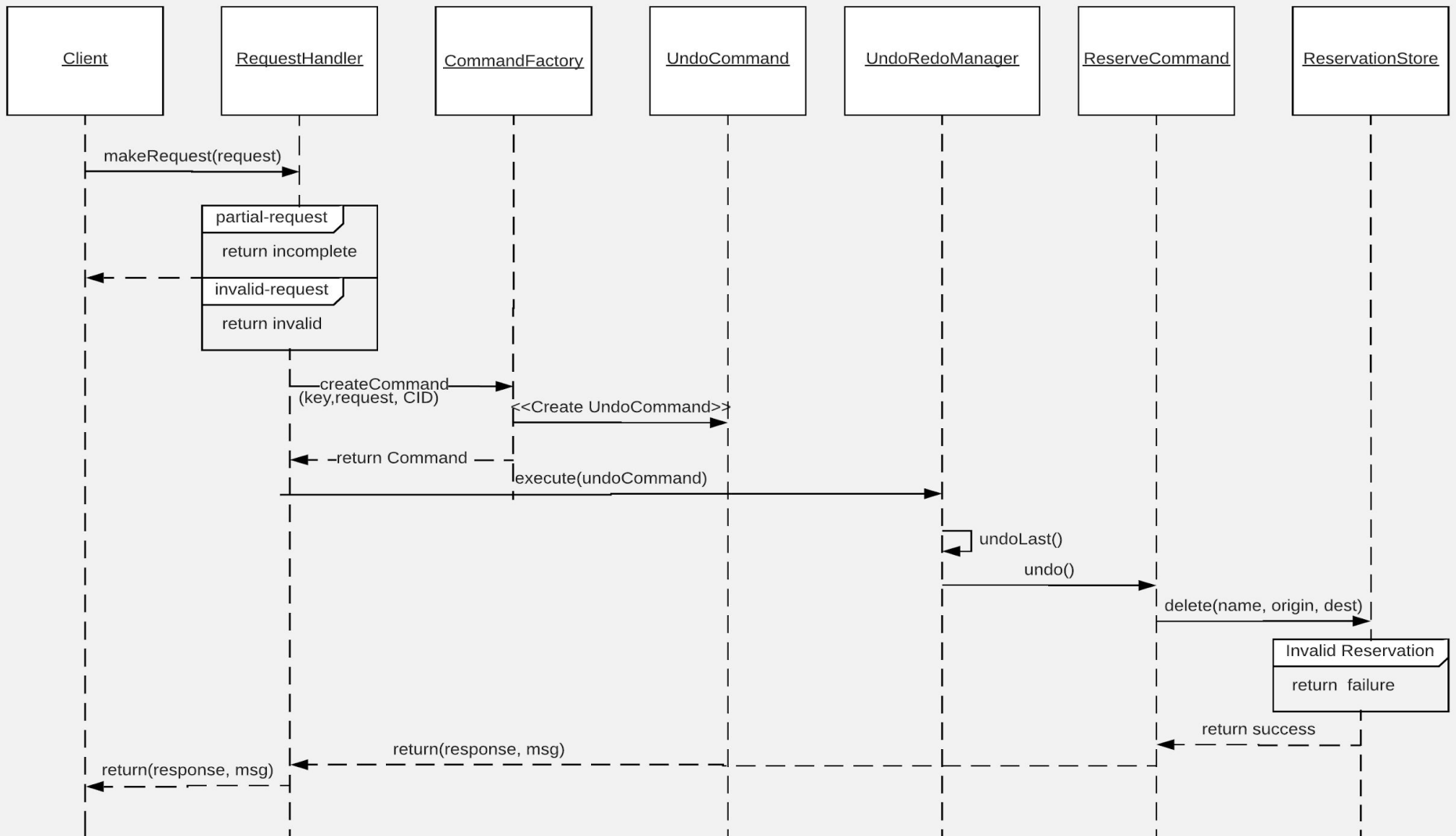
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# Adding a Reservation



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# Undoing a Reservation

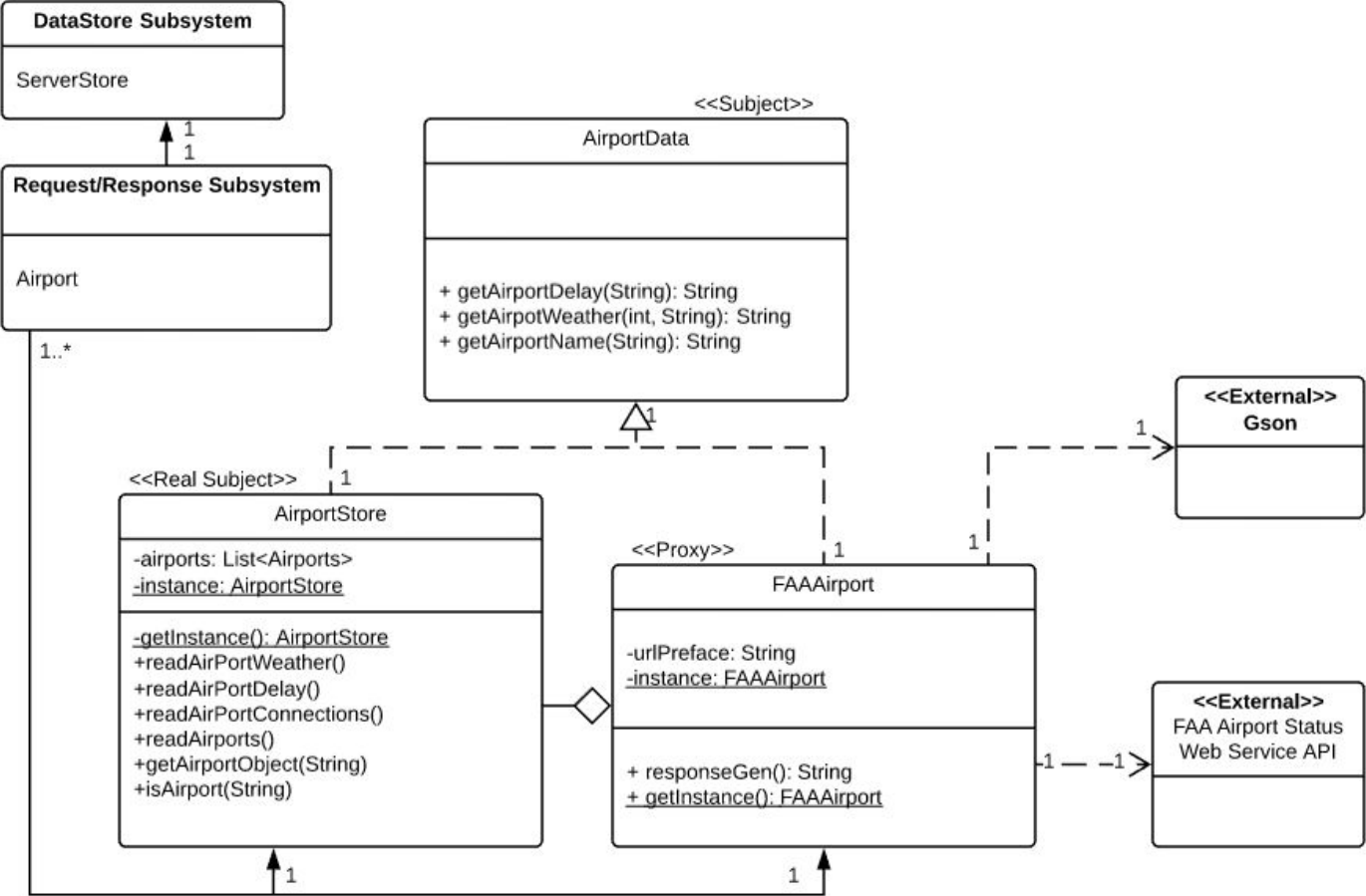




# FAA Web Service

- Supports switching between local and FAA data services.
- Uses Proxy Pattern for FAA Airport lookups when getting airport names.

# FAA Web Service UML (Proxy Pattern)





# Implementation Status

- All of the features laid out in the requirements documents are finished
- Testing on edge cases not fully complete



**Questions / Comments?**