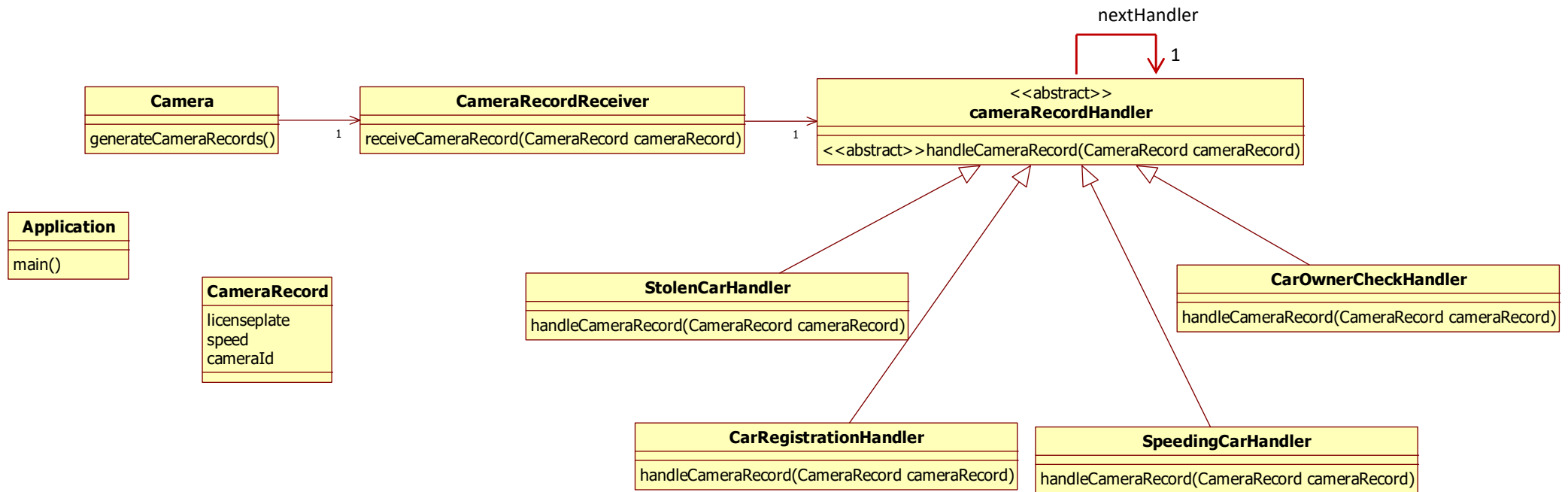


Lab 7

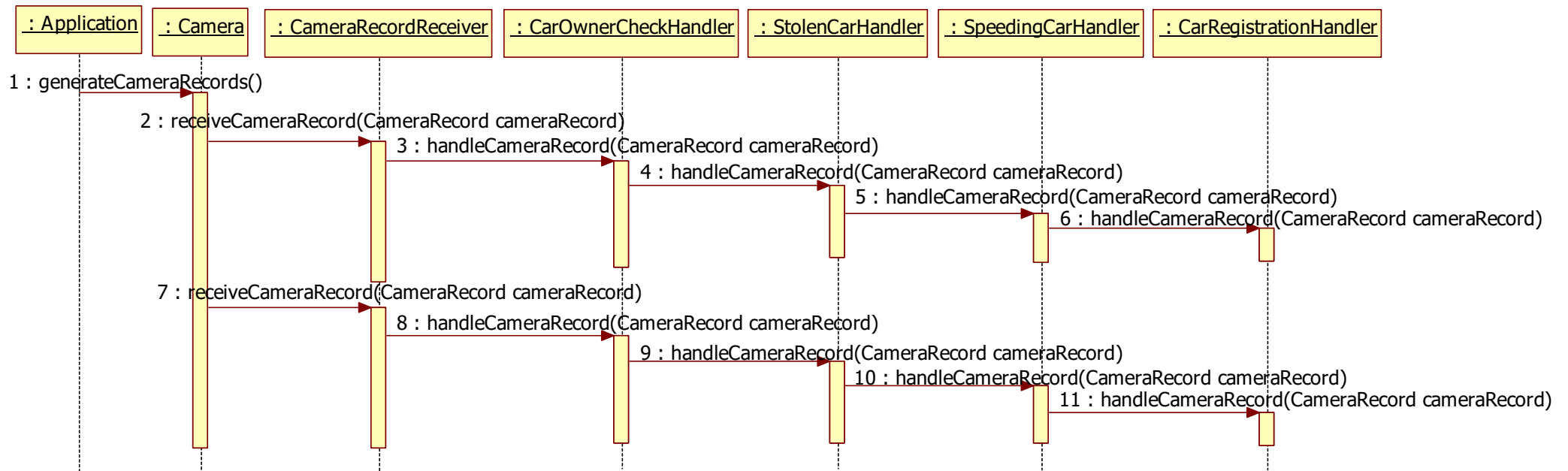


- Camera system
 - We need to detect every car that is stolen.
 - We need to detect every car that is speeding.
 - We need to detect every car that is currently not registered
 - We also need to detect every car whose owner has one or more unpaid tickets.
- It should be easy to add other detection logic based on the camera records we receive in the system

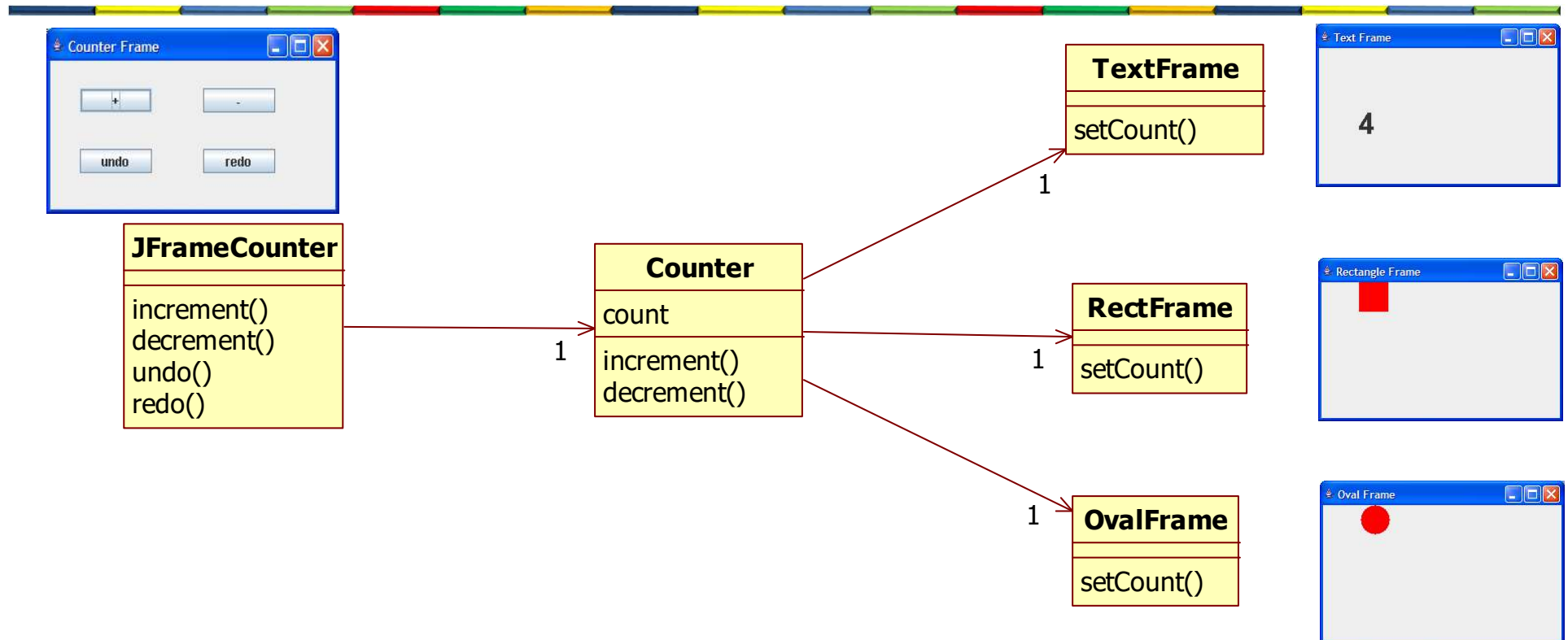
Lab 7 a



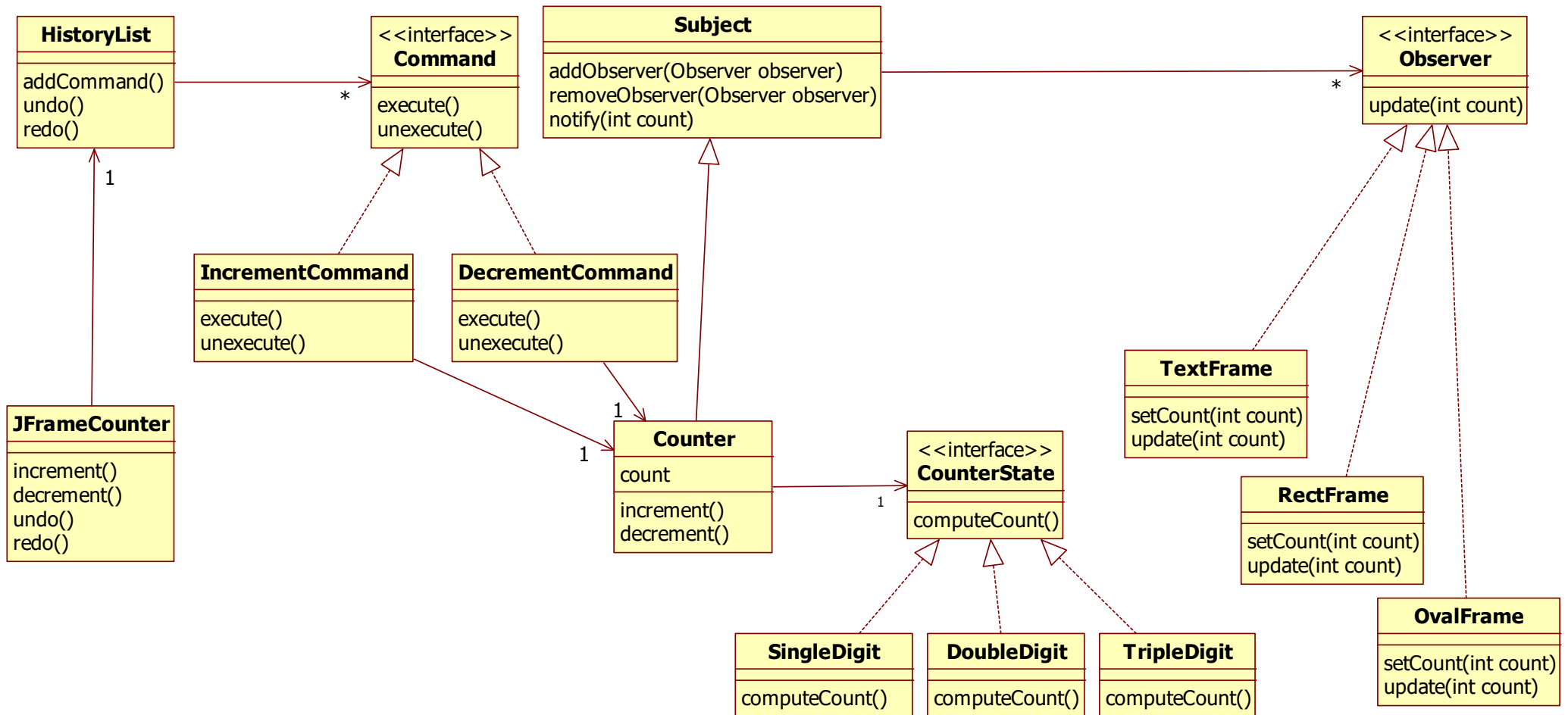
Lab 7b



Lab 7d

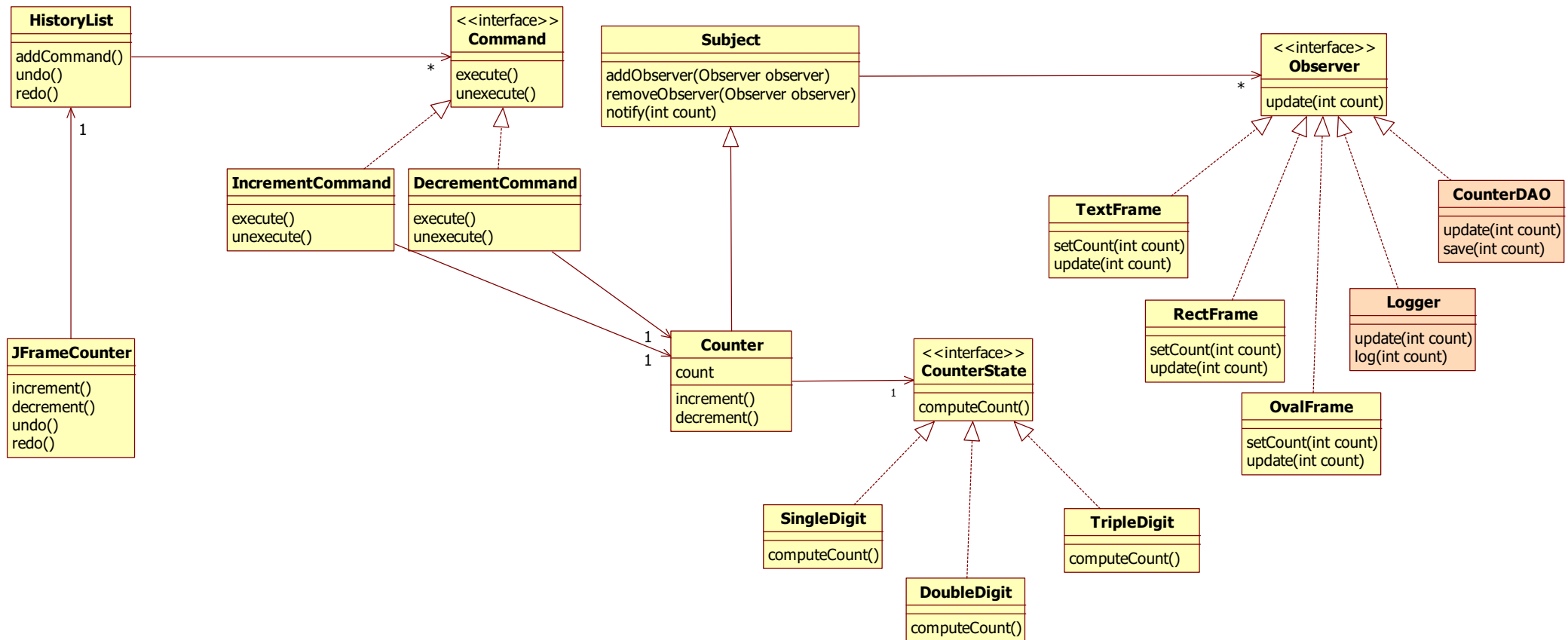


Solution lab 5

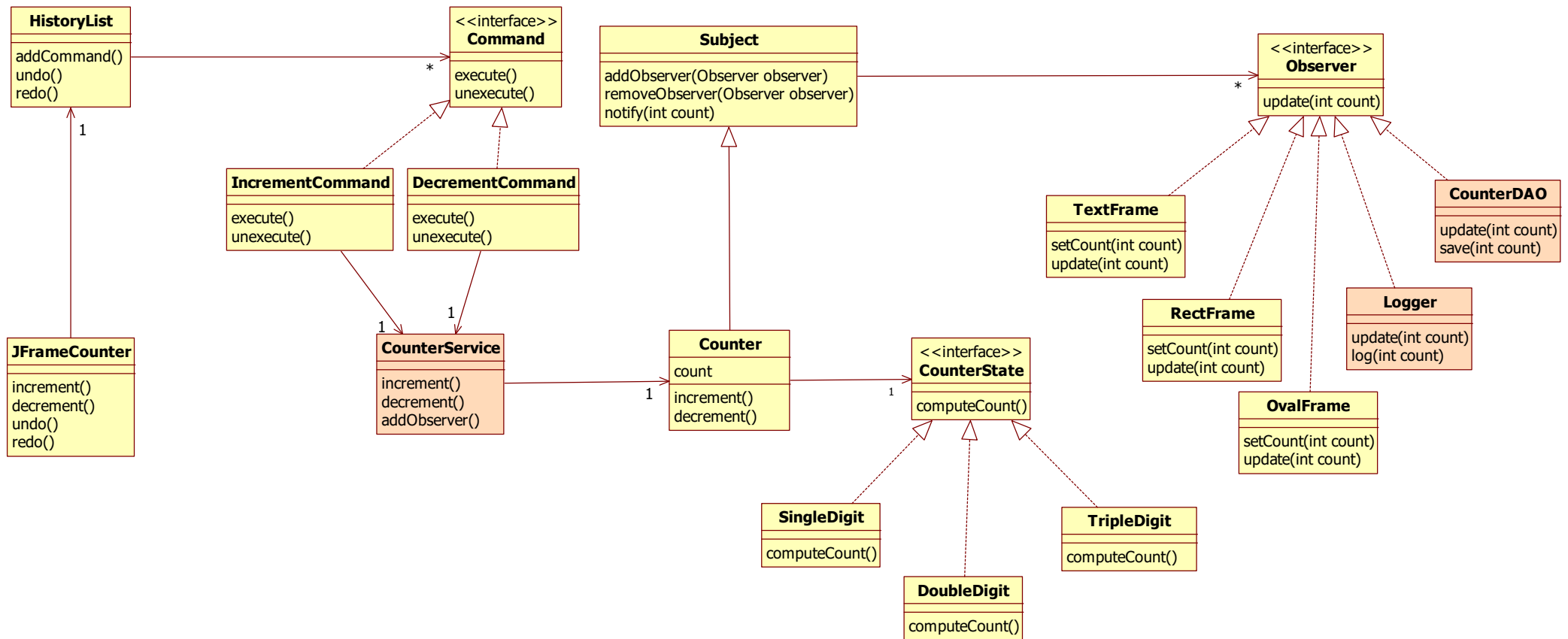




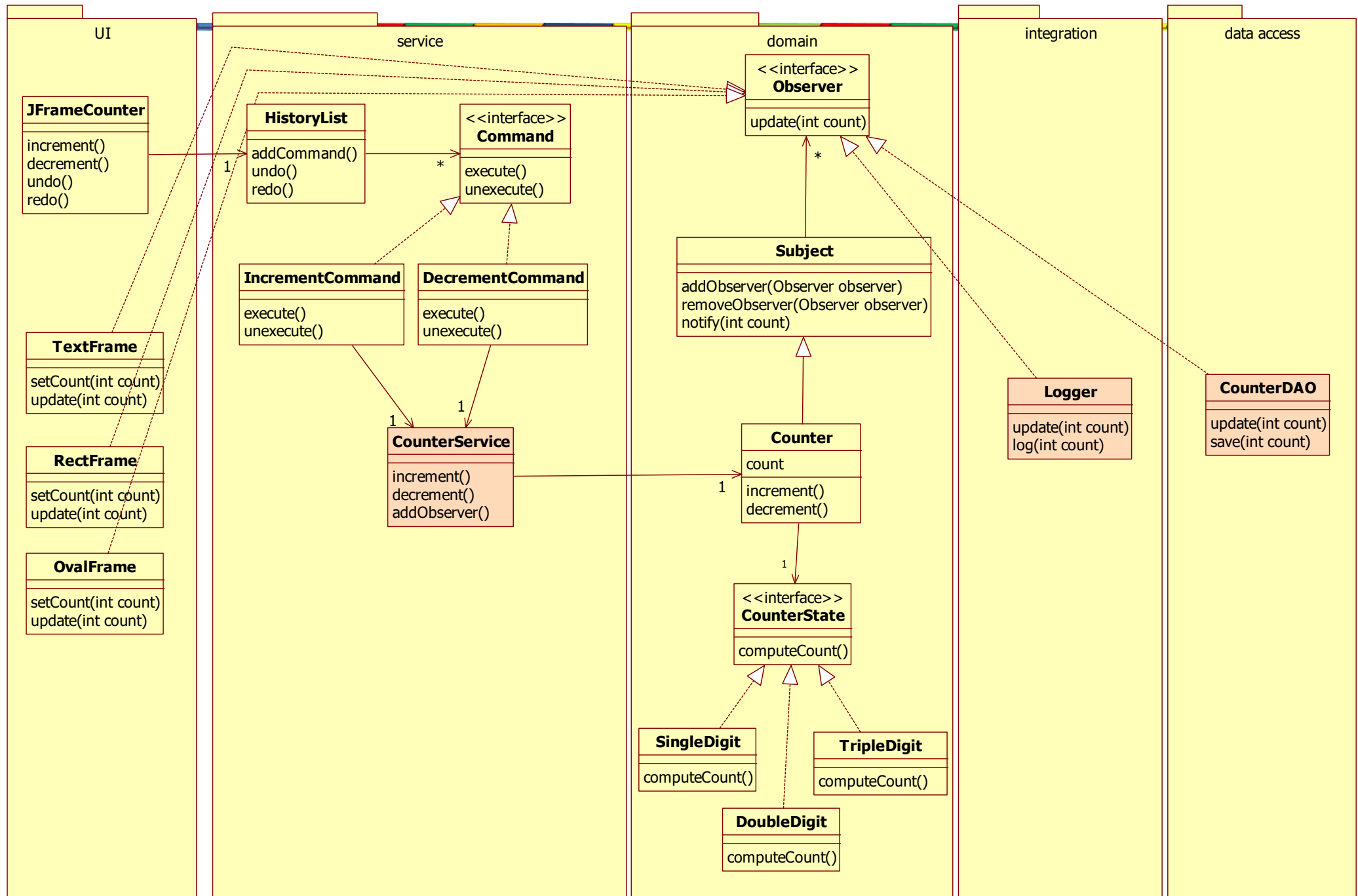
The counter value needs to be stored in the database.



We want a clear separation between UI, domain and database access.



We want a clear separation between UI, domain and database access.

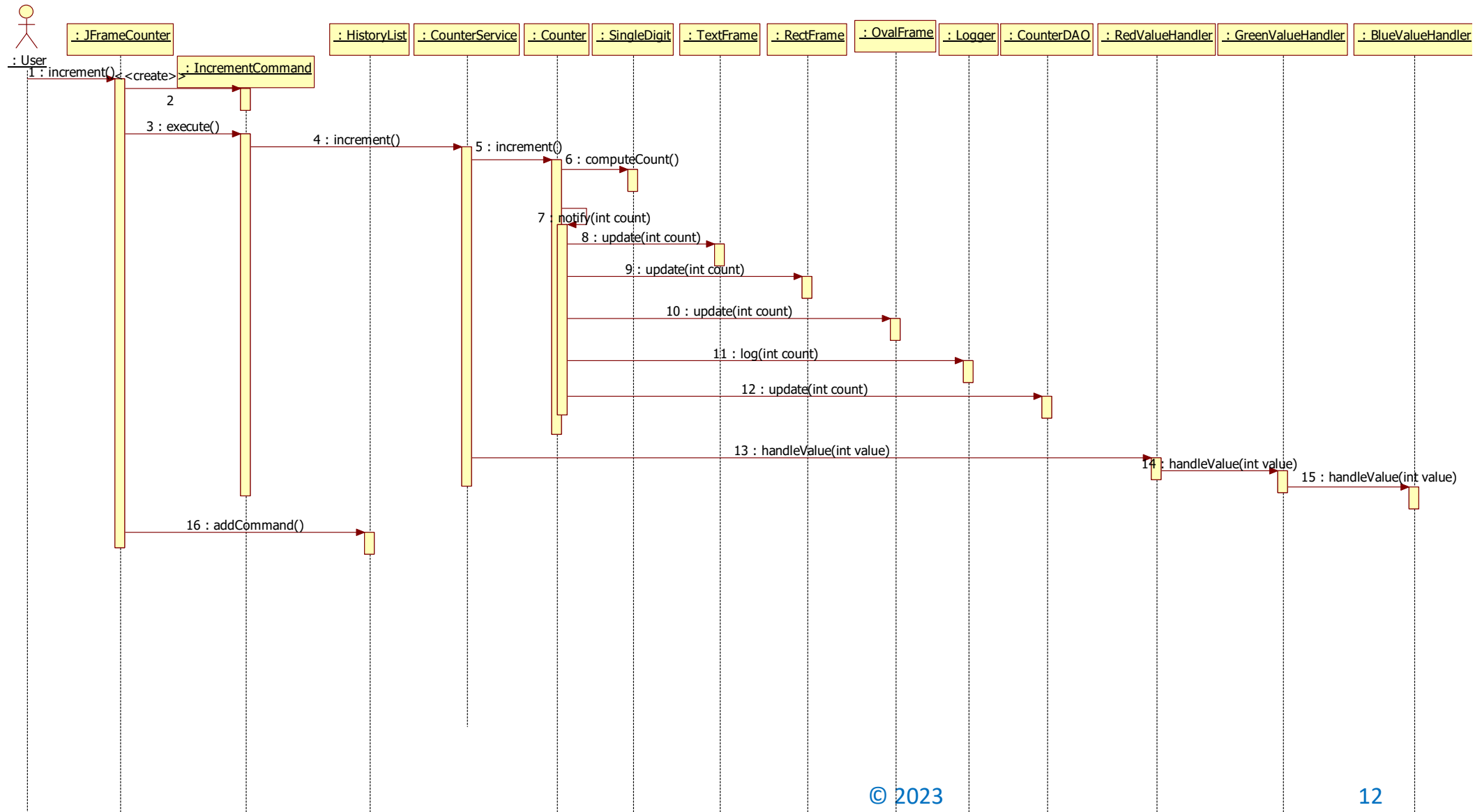


Whenever the counter value change

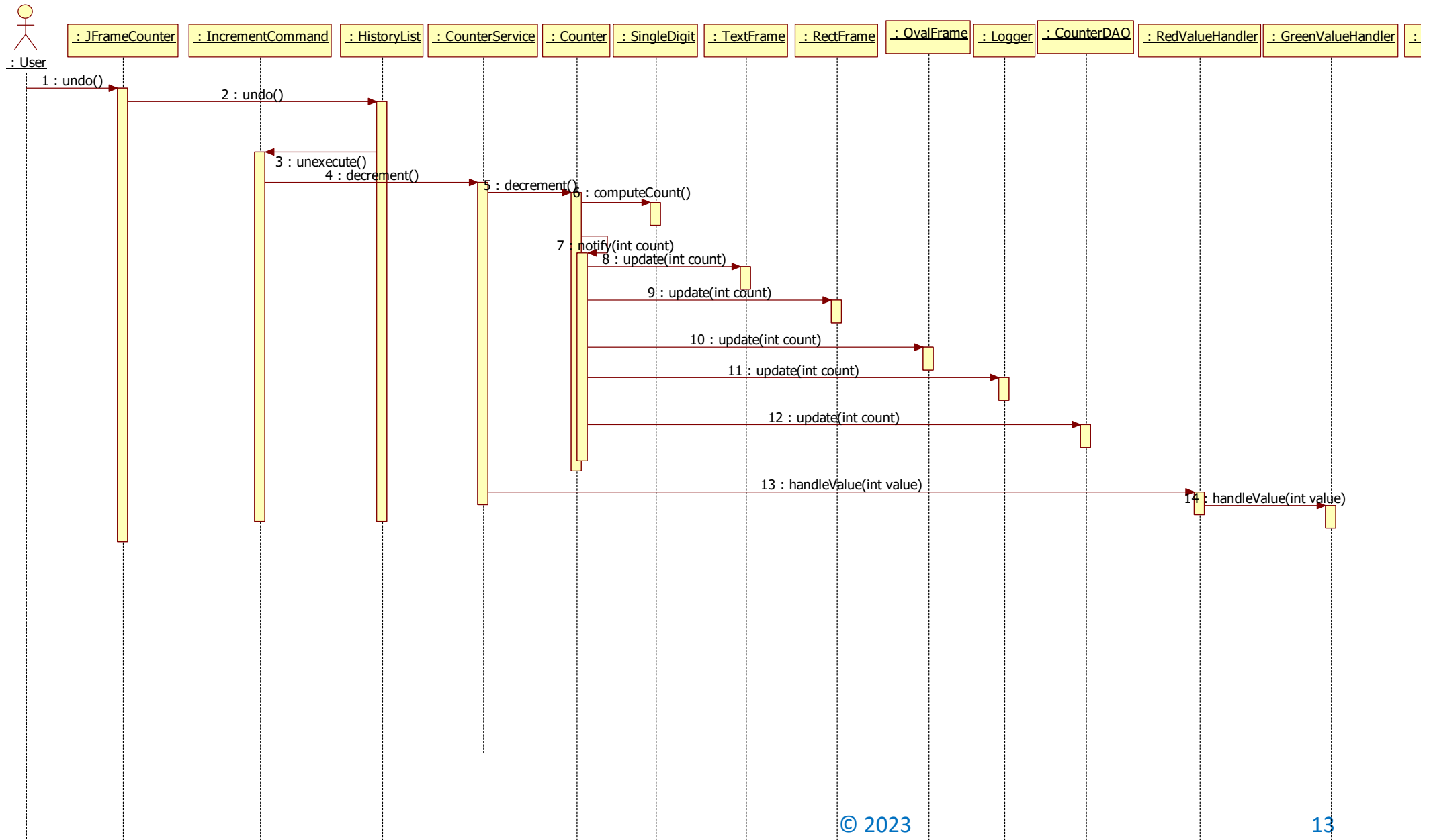
- We want to do the following:
 - If the counter value is even and the counter value < 10 or if the counter value is even and the counter value $= 12$ or 13 then we print in the console : **“Red”**
 - If the counter value is even and the counter value ≥ 10 but not 12 or 13 then we print in the console : **“Green”**
 - If the counter value is odd and the counter value < 15 or if the counter value is odd and the counter value $= 17$ or 19 then we print in the console : **“Blue”**
 - If the counter value is odd and the counter value ≥ 15 but not 17 or 19 then we print in the console : **“Orange”**



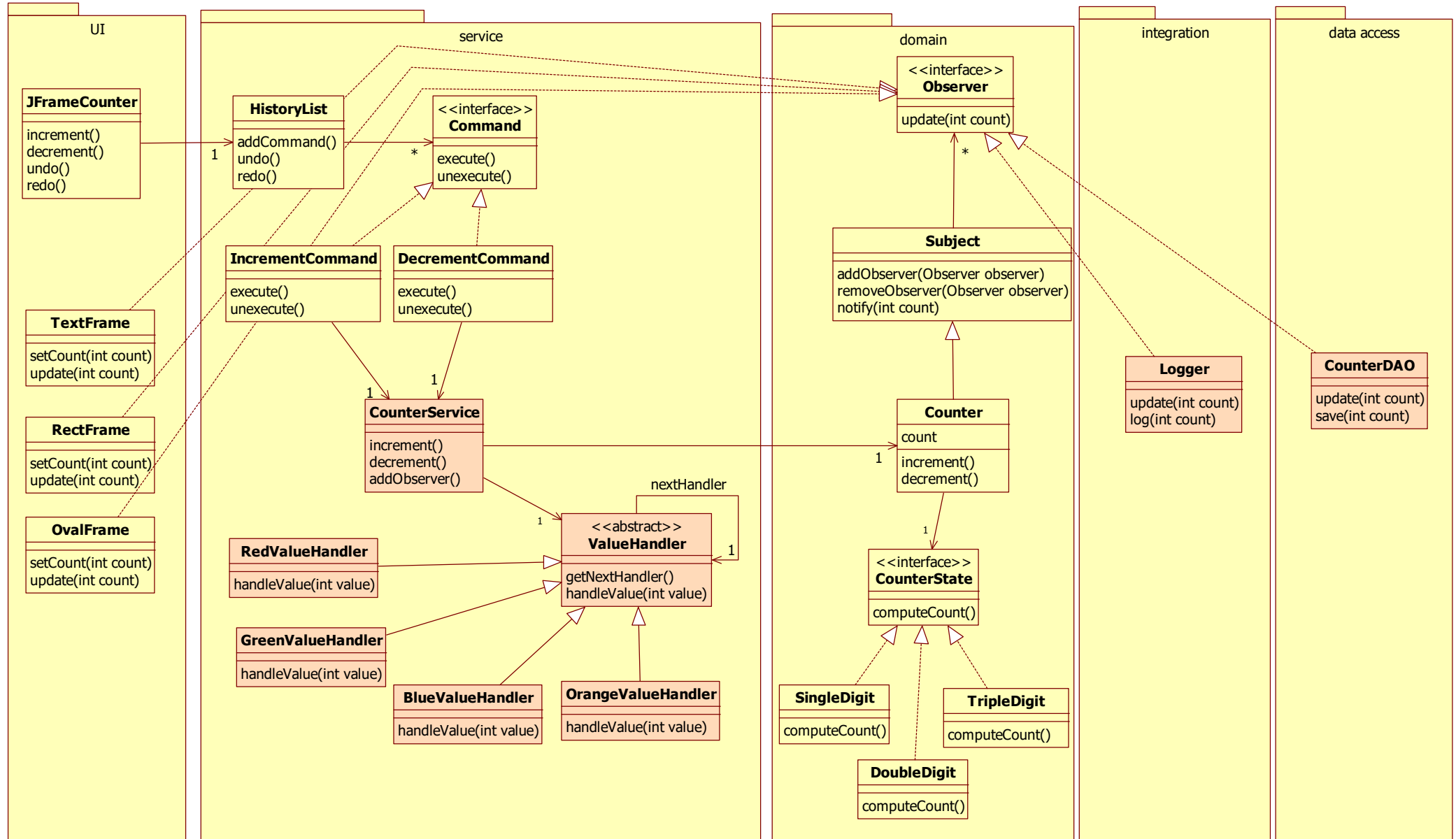
Sequence diagram: increment



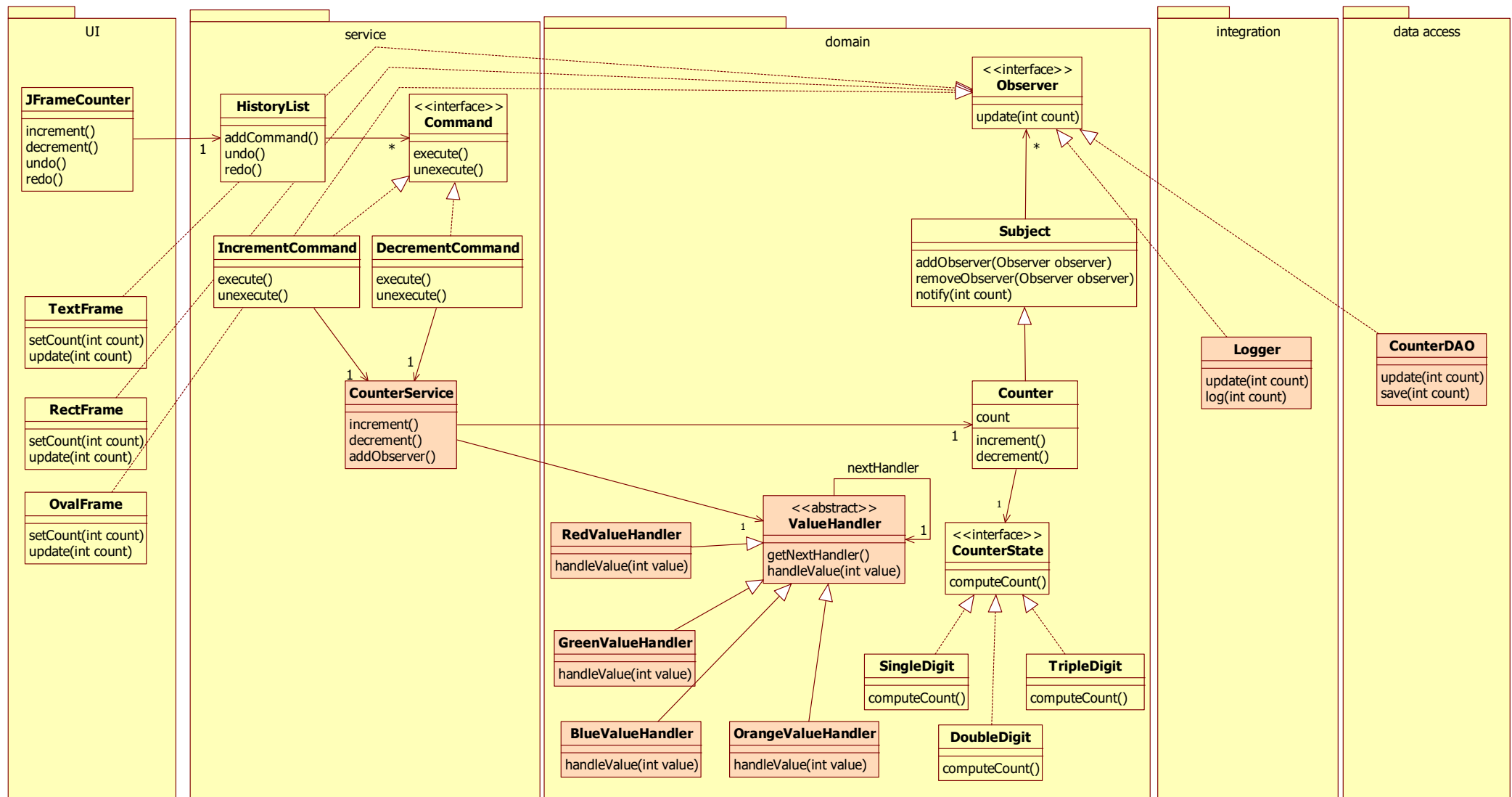
Sequence diagram: undo



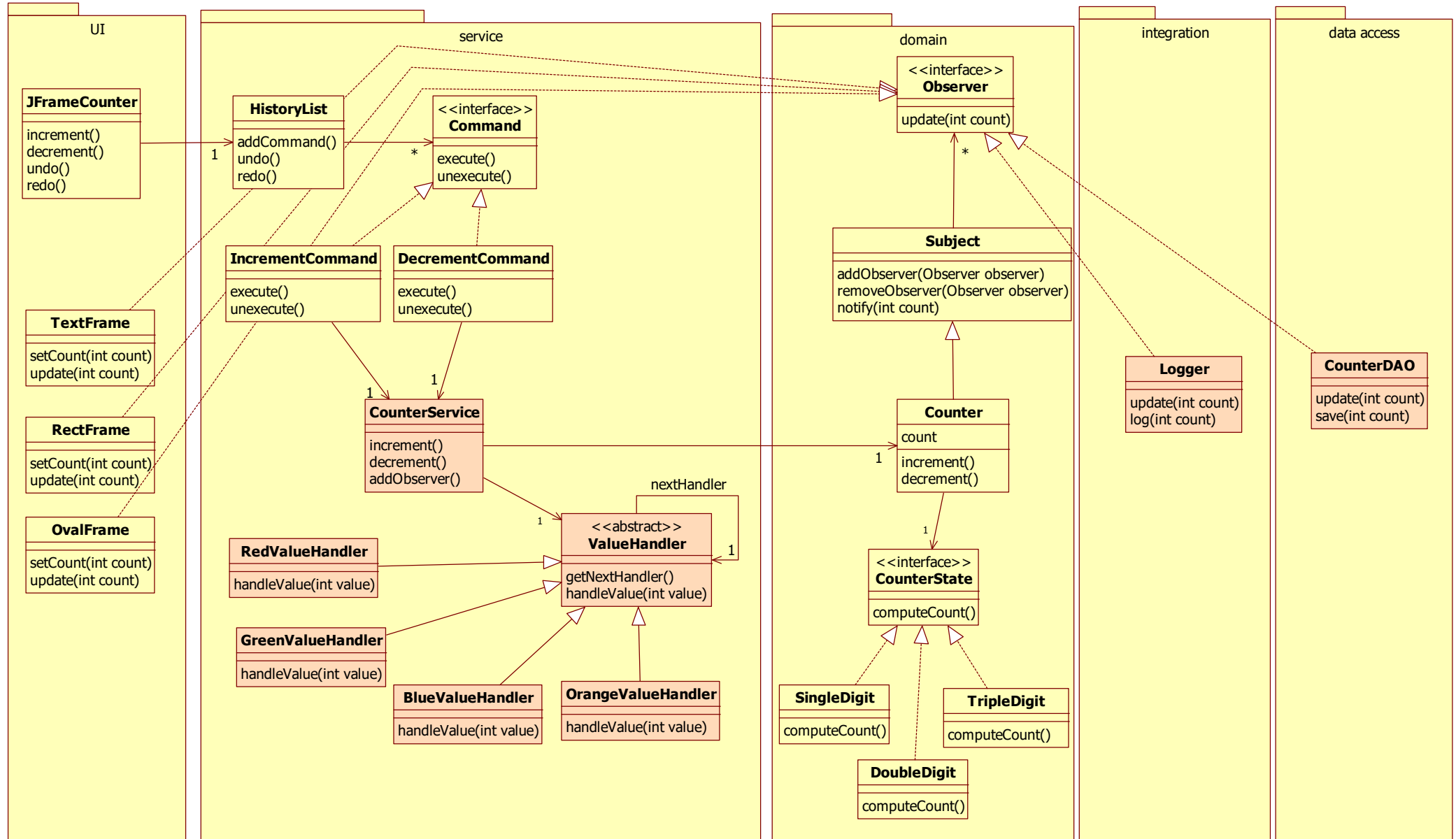
Technical handlers



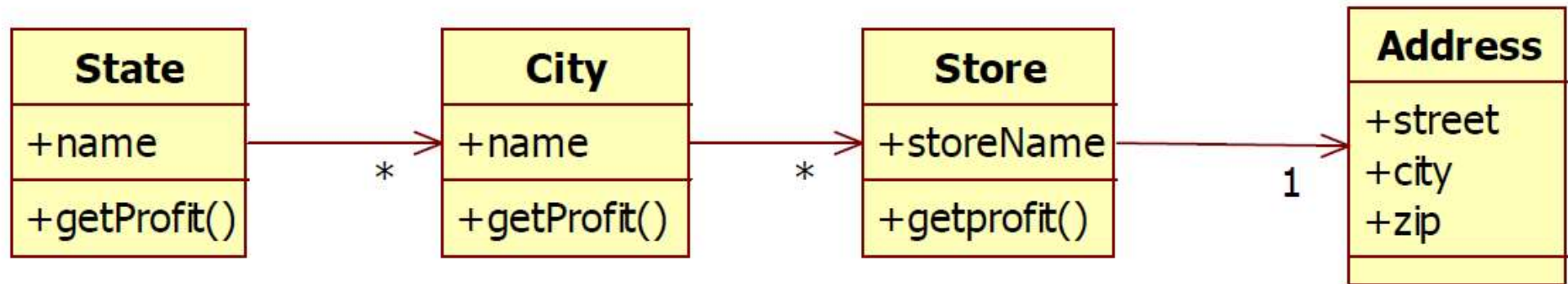
Business logic handlers



Technical handlers



Part g



- But now the retailer is opening stores worldwide and the application should also allow us to give the profit for every country, continent and even region. A region can be anything, like West Chicago, Iowa and Ohio, East Europe, Europe and Asia, Boston, California, etc. When the application shows the profit on the GUI, it does not only show the total profit, but it also shows how the total profit is build up per region, continent, country, state, city and store if applicable.

Solution

