

CS 525 - ASD

Advanced Software Development

MS.CS Program
Department of Computer Science
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Maharishi University
OF MANAGEMENT

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Advanced Software Development

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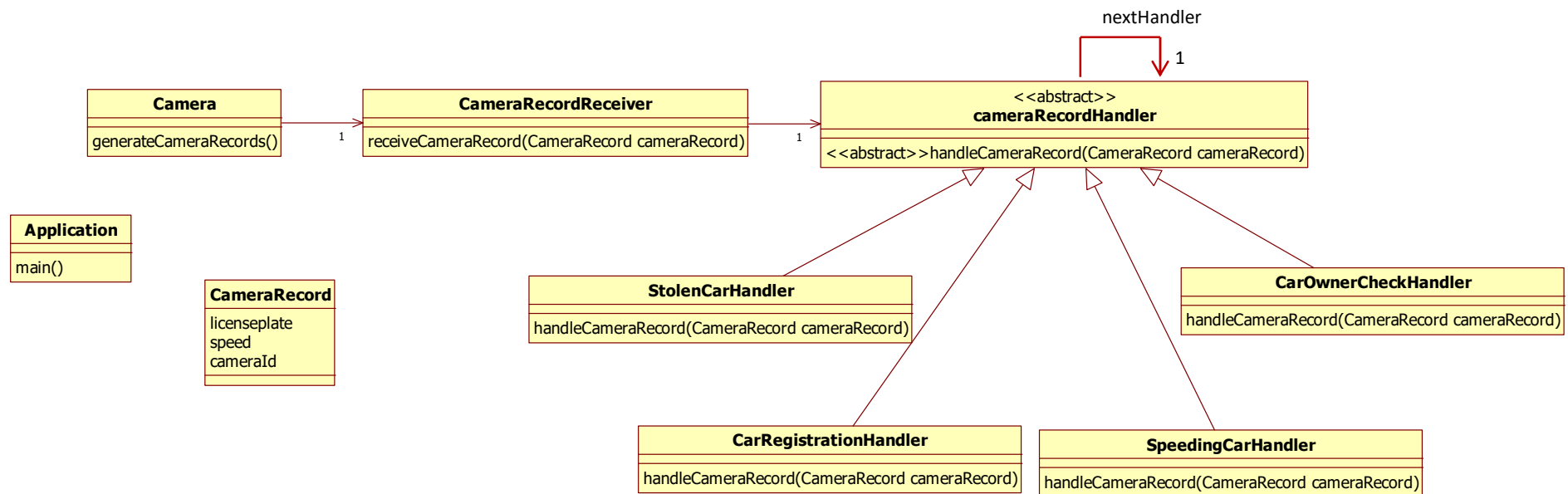
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Lab 7

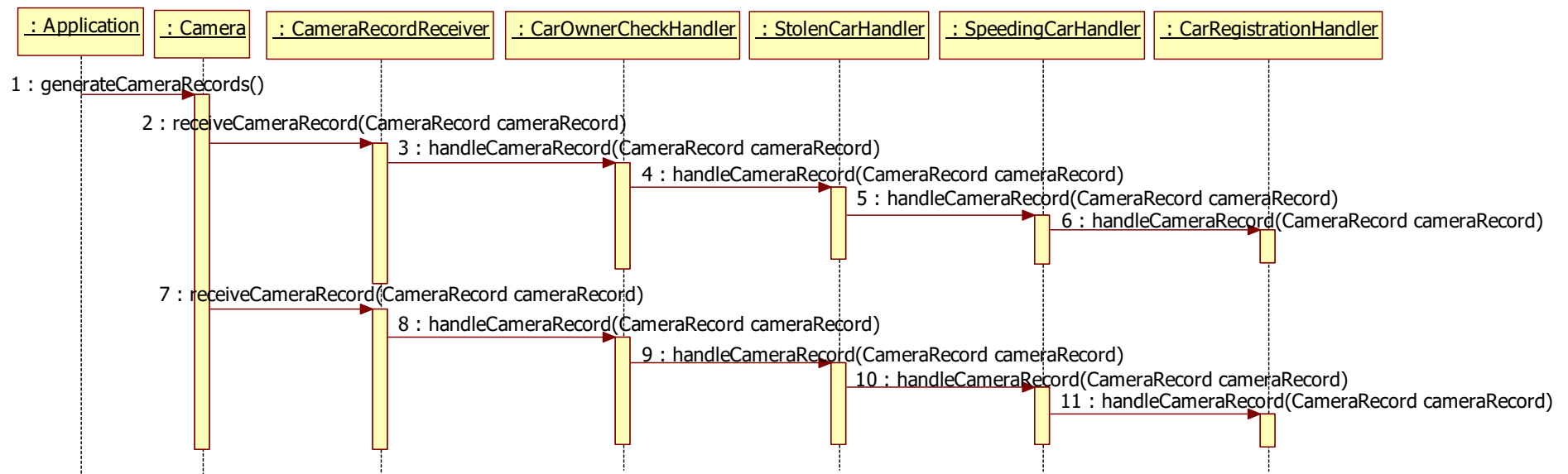


- Camera system
 - We need to detect every car that is stolen.
 - We need to detect every car that is speeding.
 - We need to detect every car that is currently not registered
 - We also need to detect every car whose owner has one or more unpaid tickets.
- It should be easy to add other detection logic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

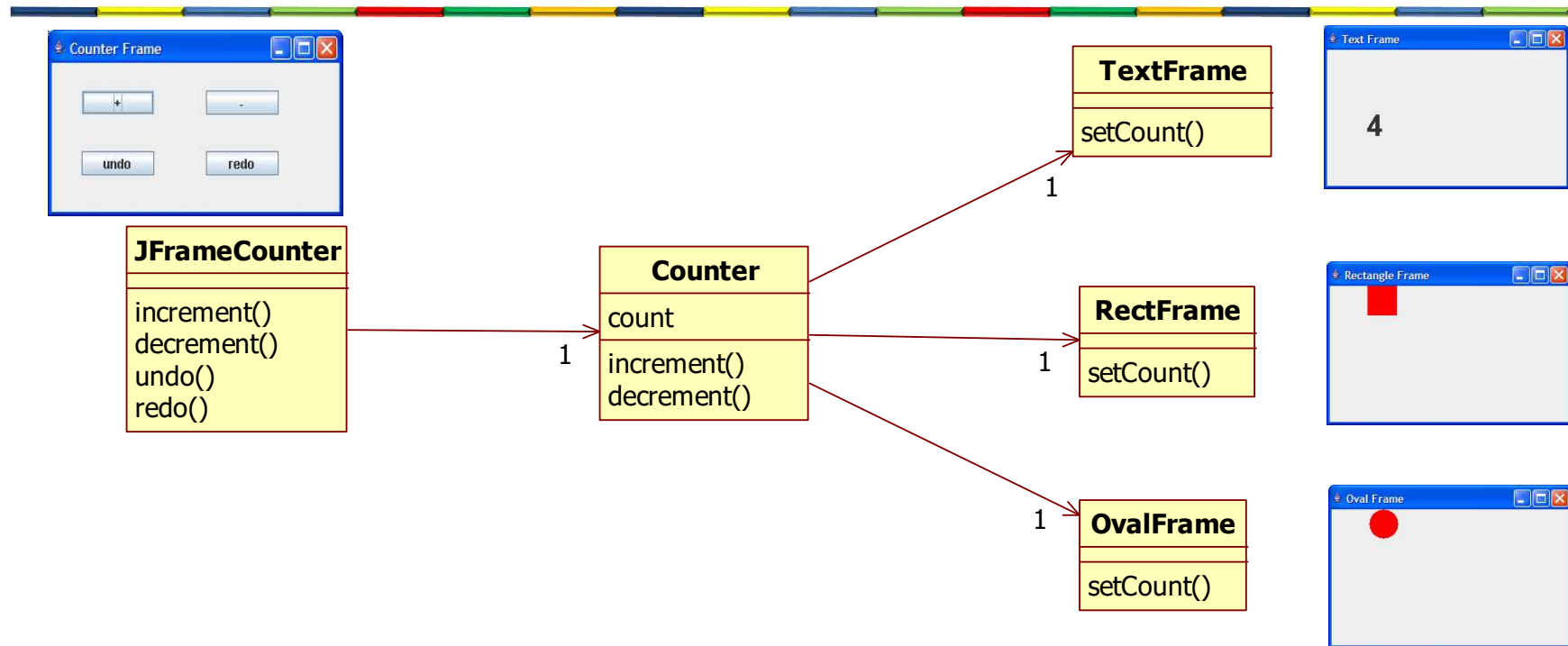
Lab 7 a



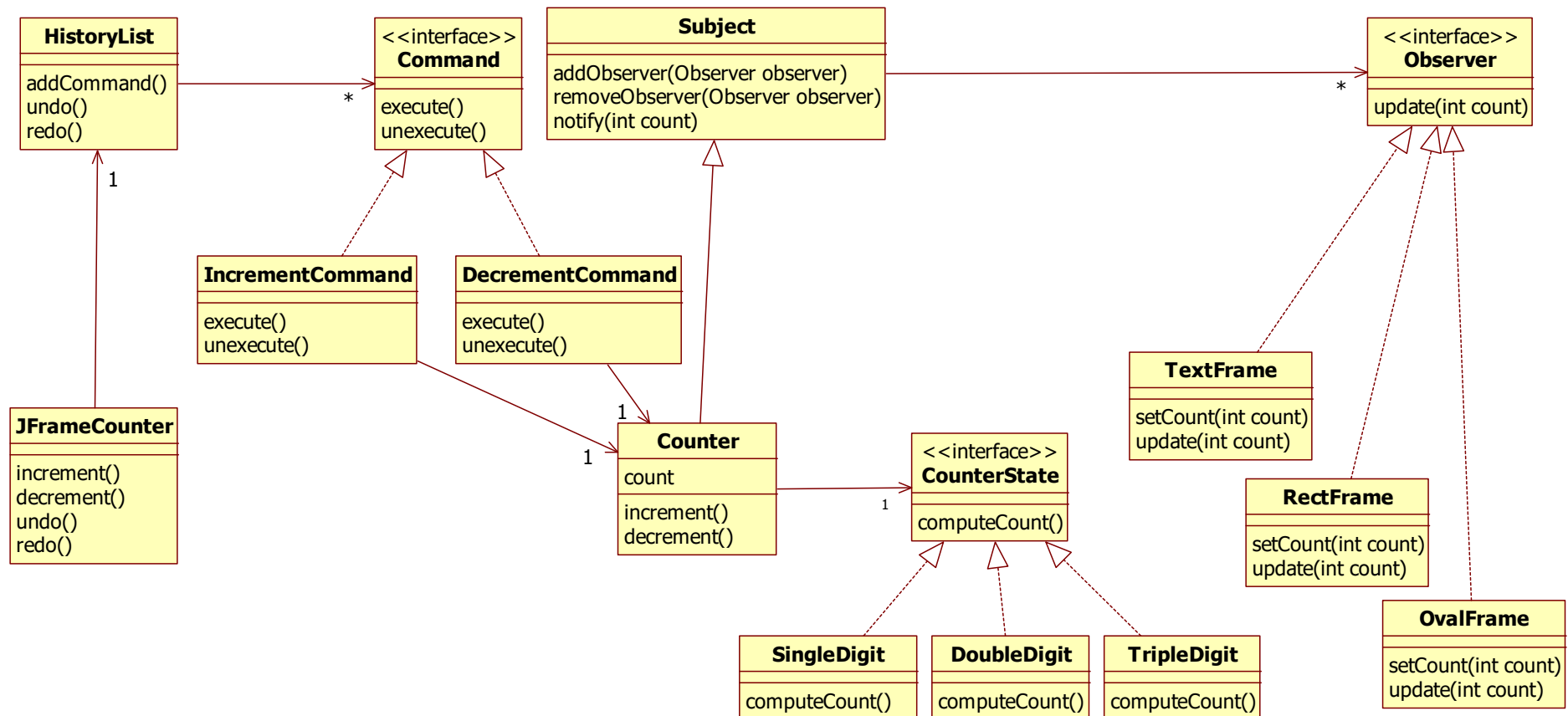
Lab 7b



Lab 7d

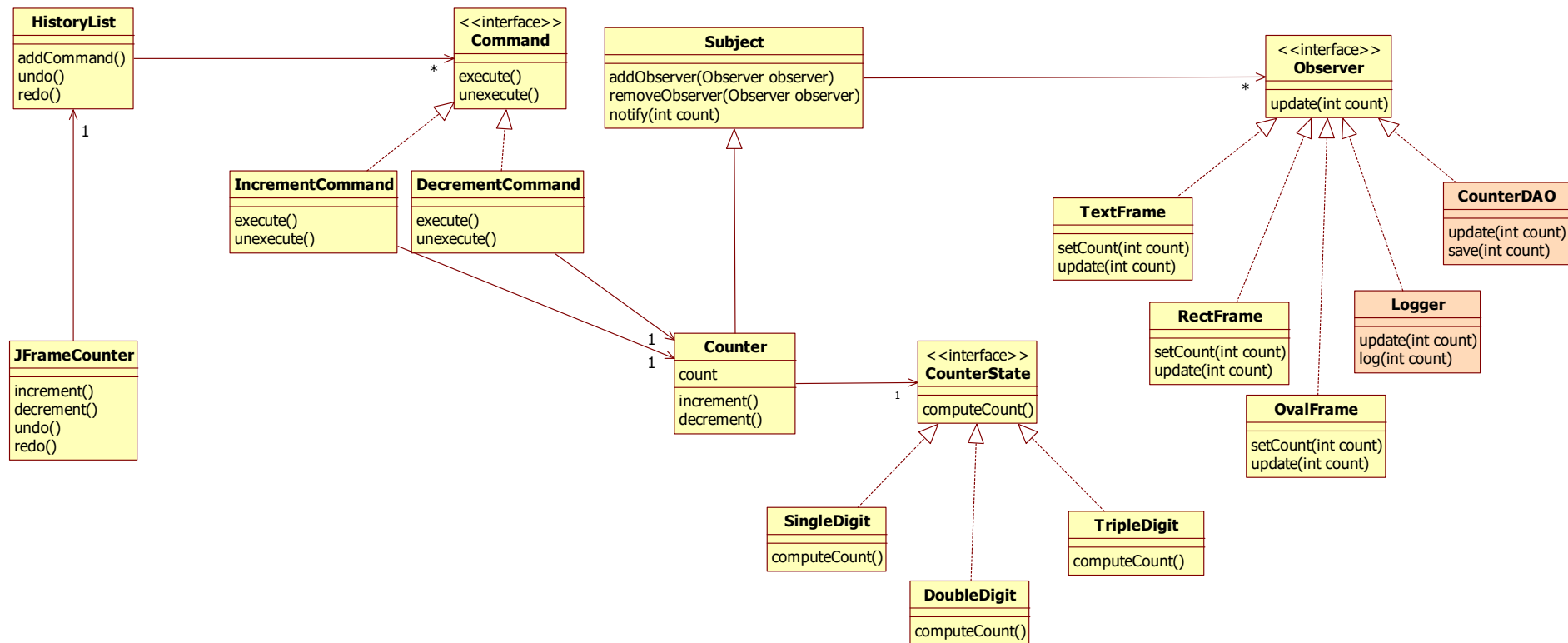


Solution lab 6d

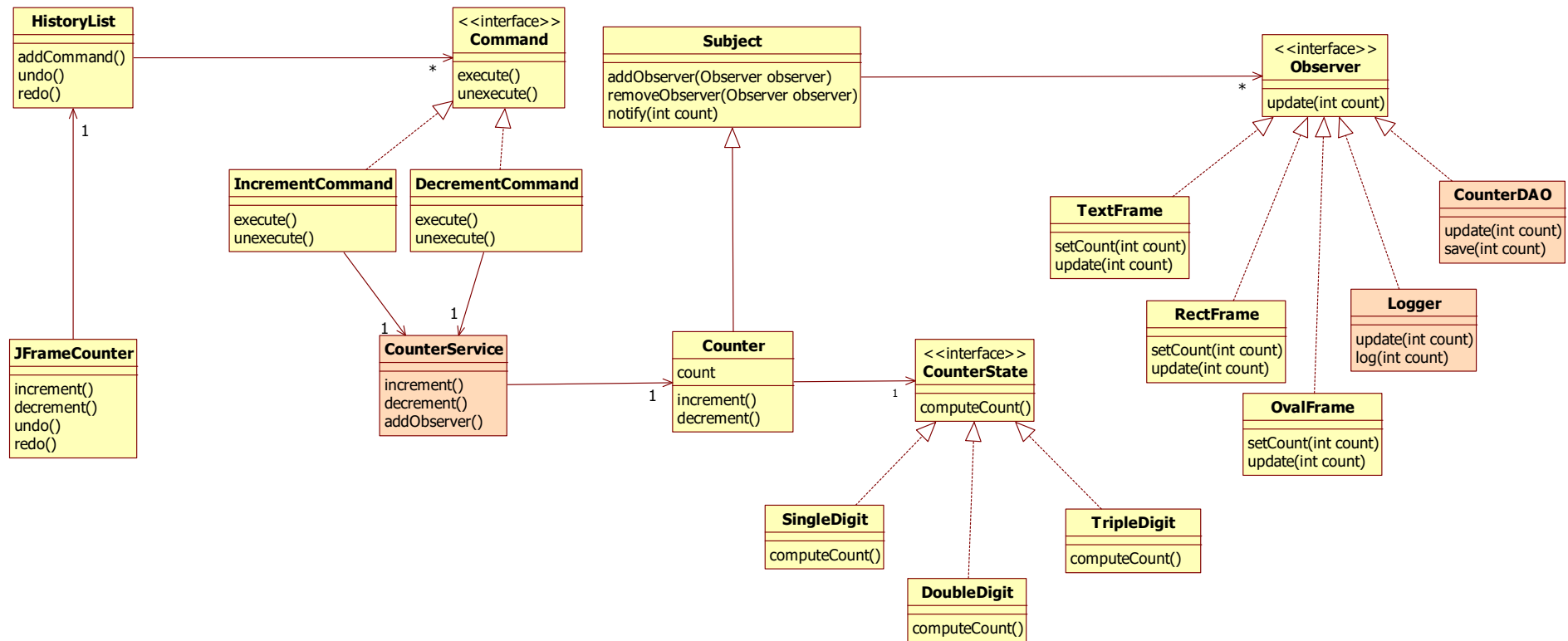




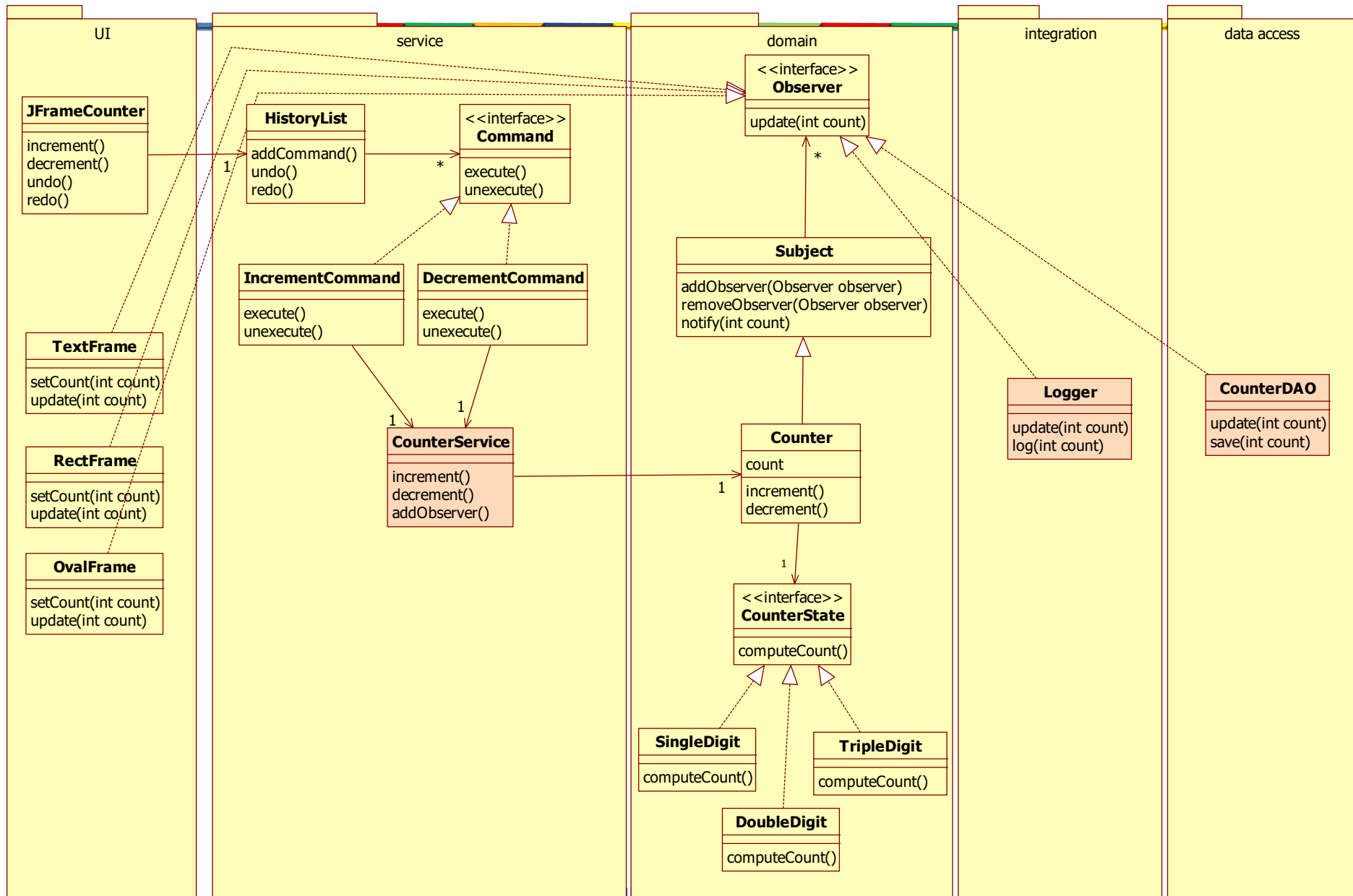
The counter value needs to be stored in the database.



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



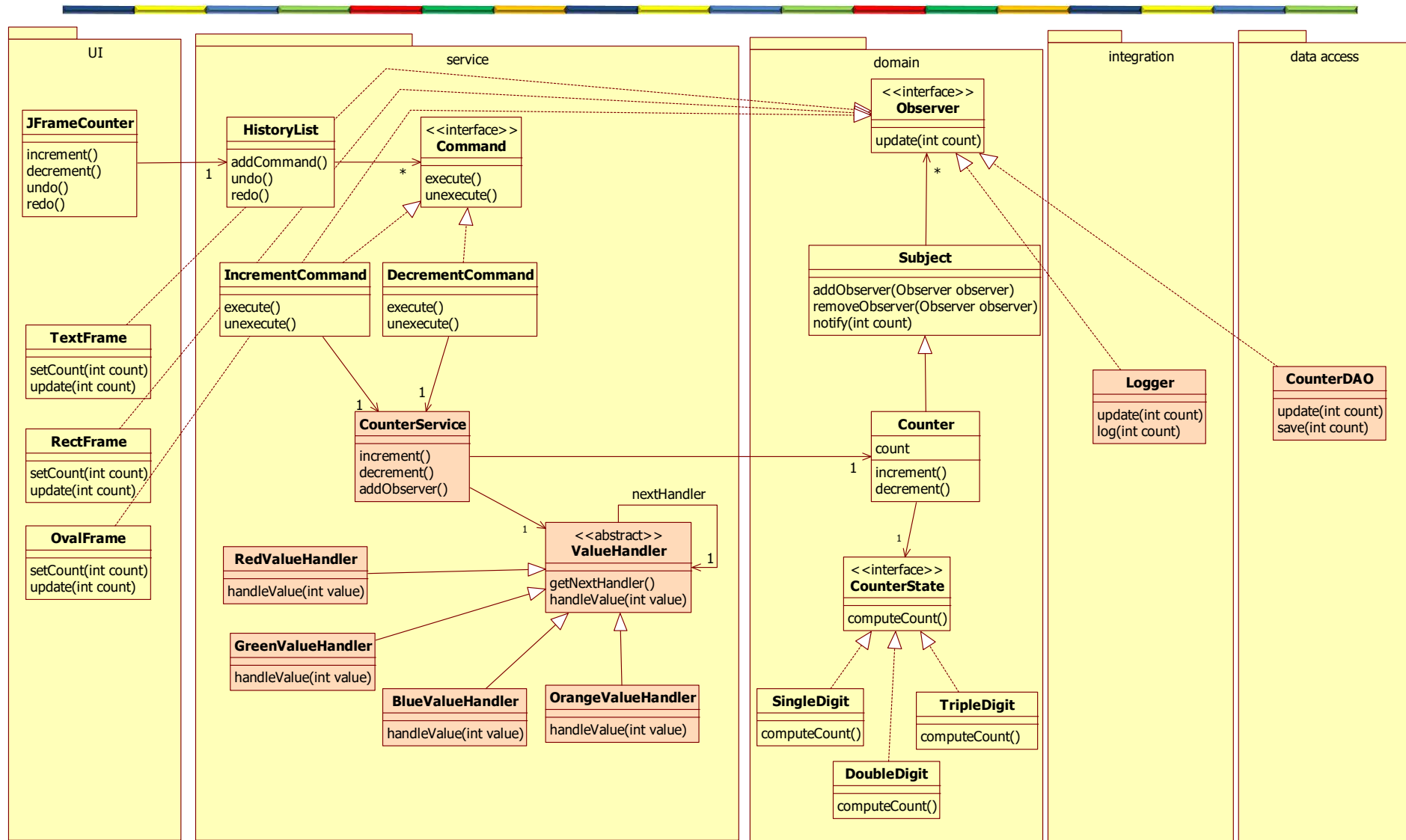
We want a clear separation between UI, domain and database access.



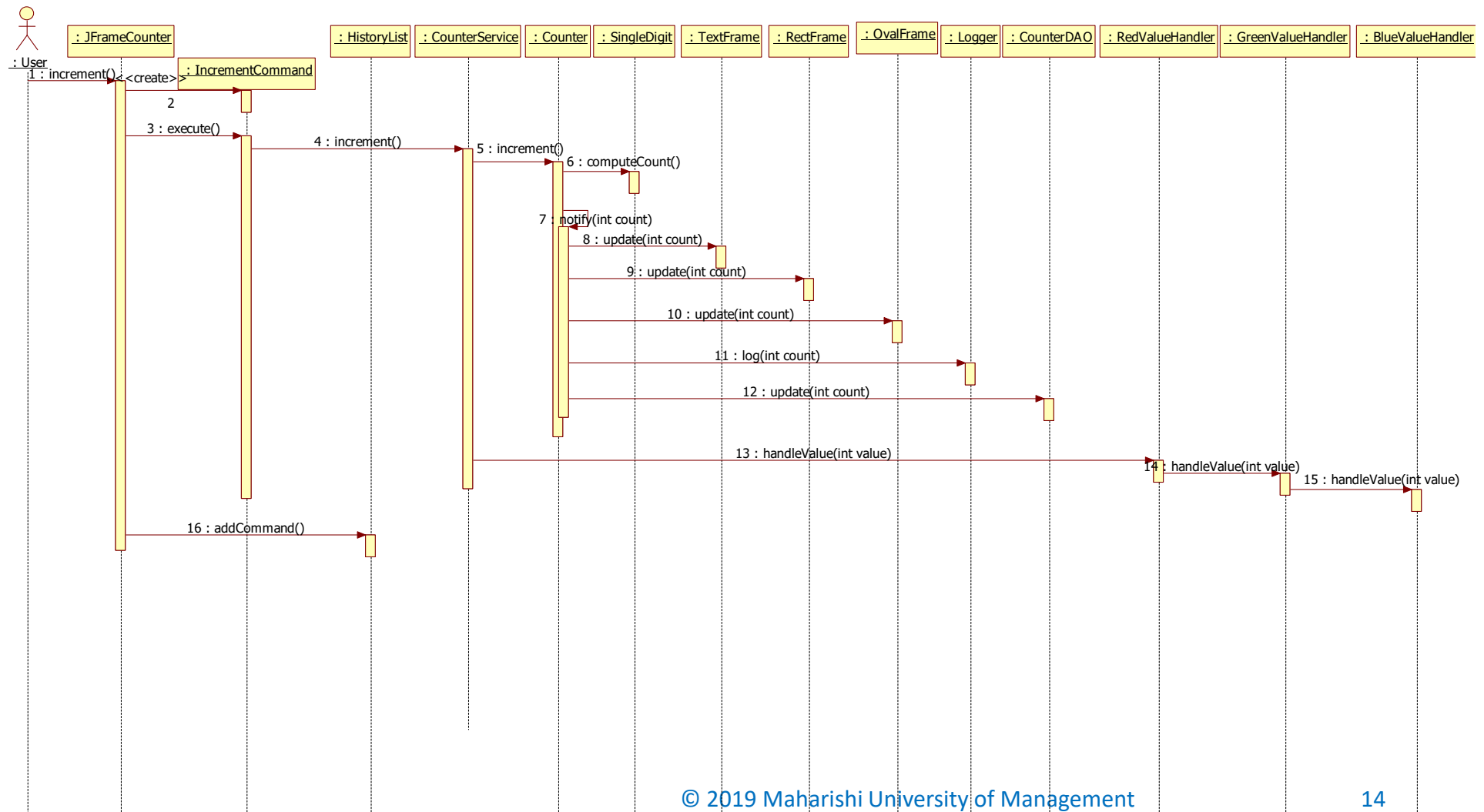
Whenever the counter value change

- 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”**

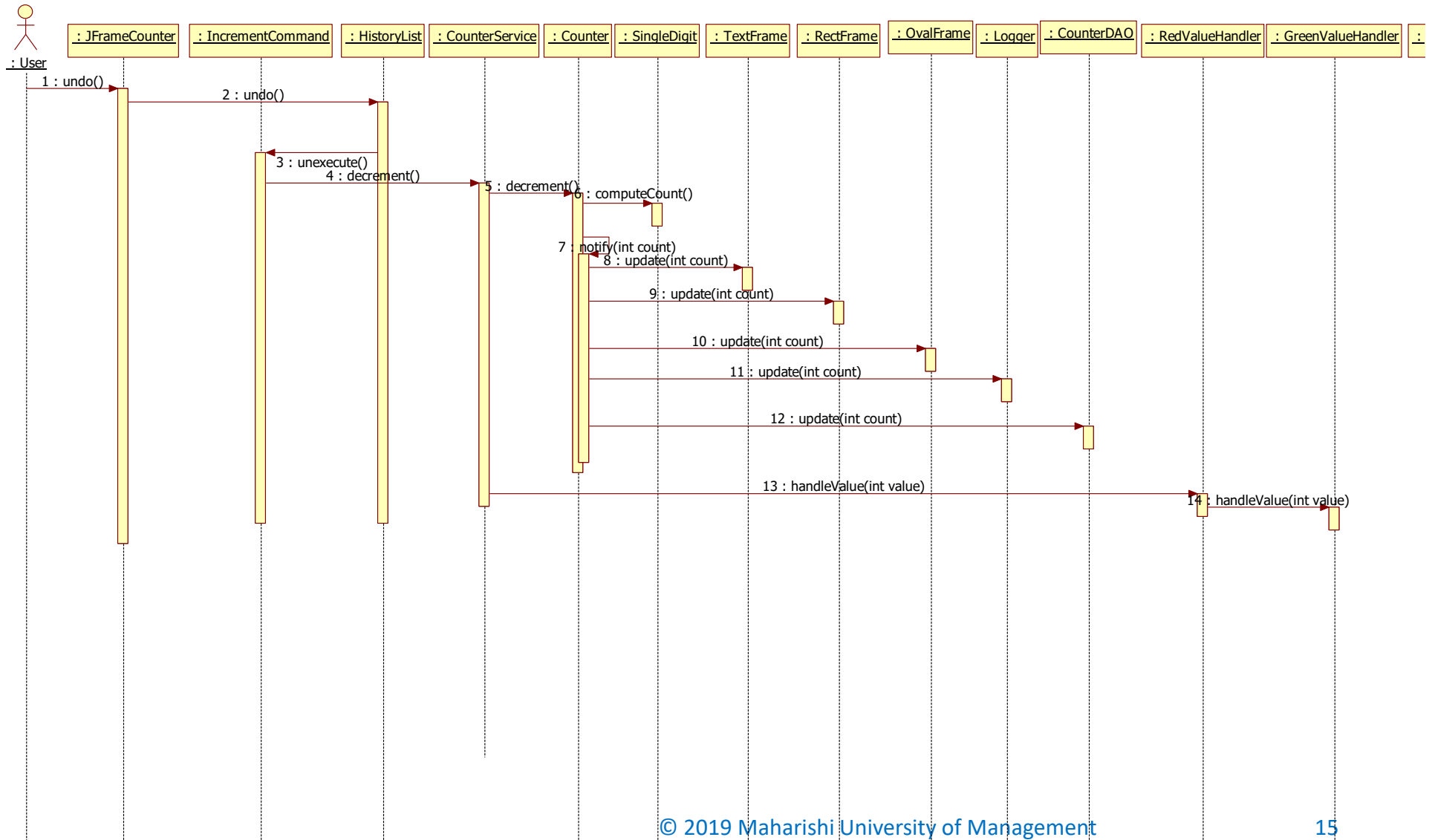
We want a clear separation between UI, domain and database access.



Sequence diagram: increment

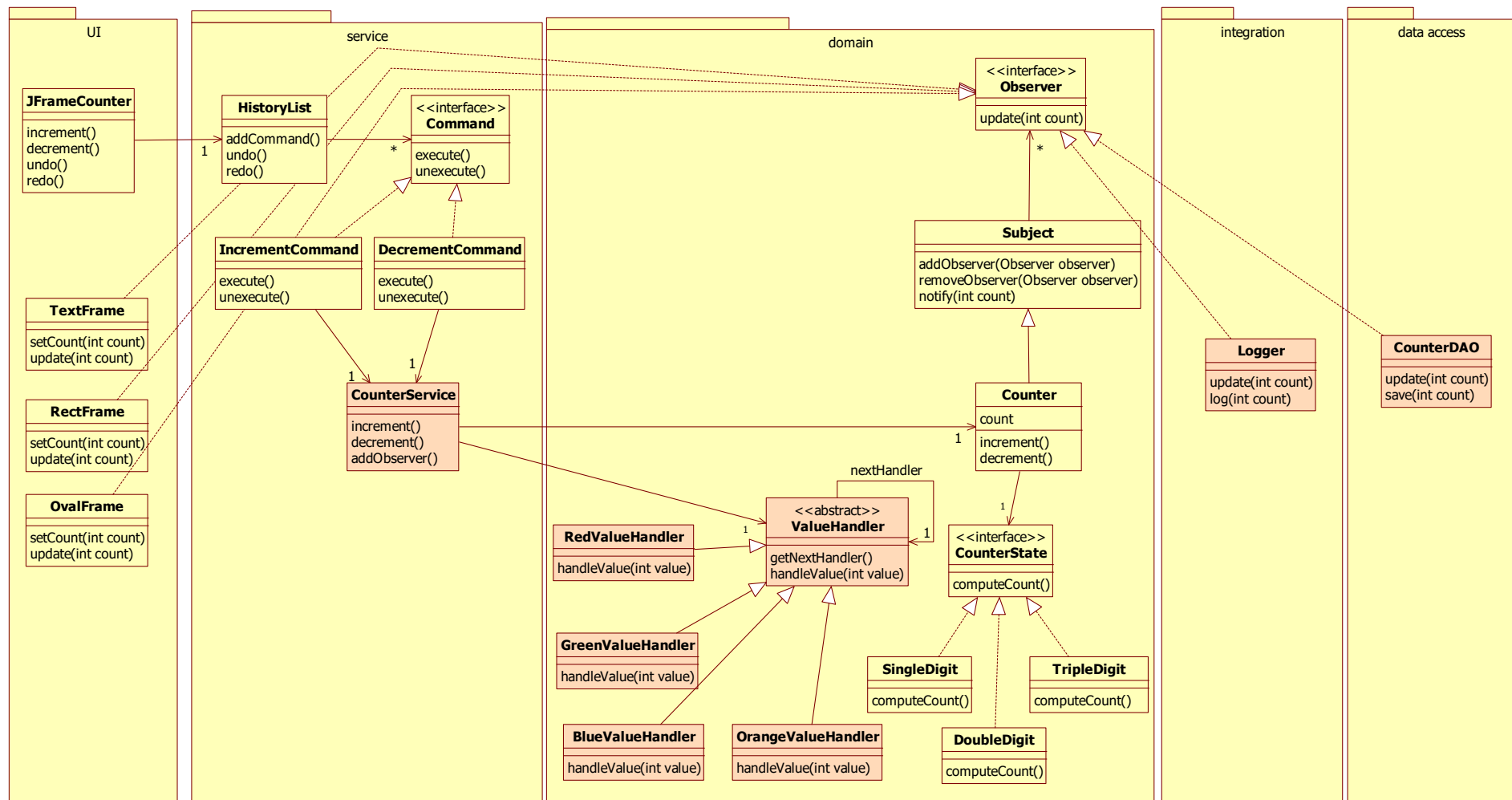


Sequence diagram: undo





Business logic handlers



Technical handlers

