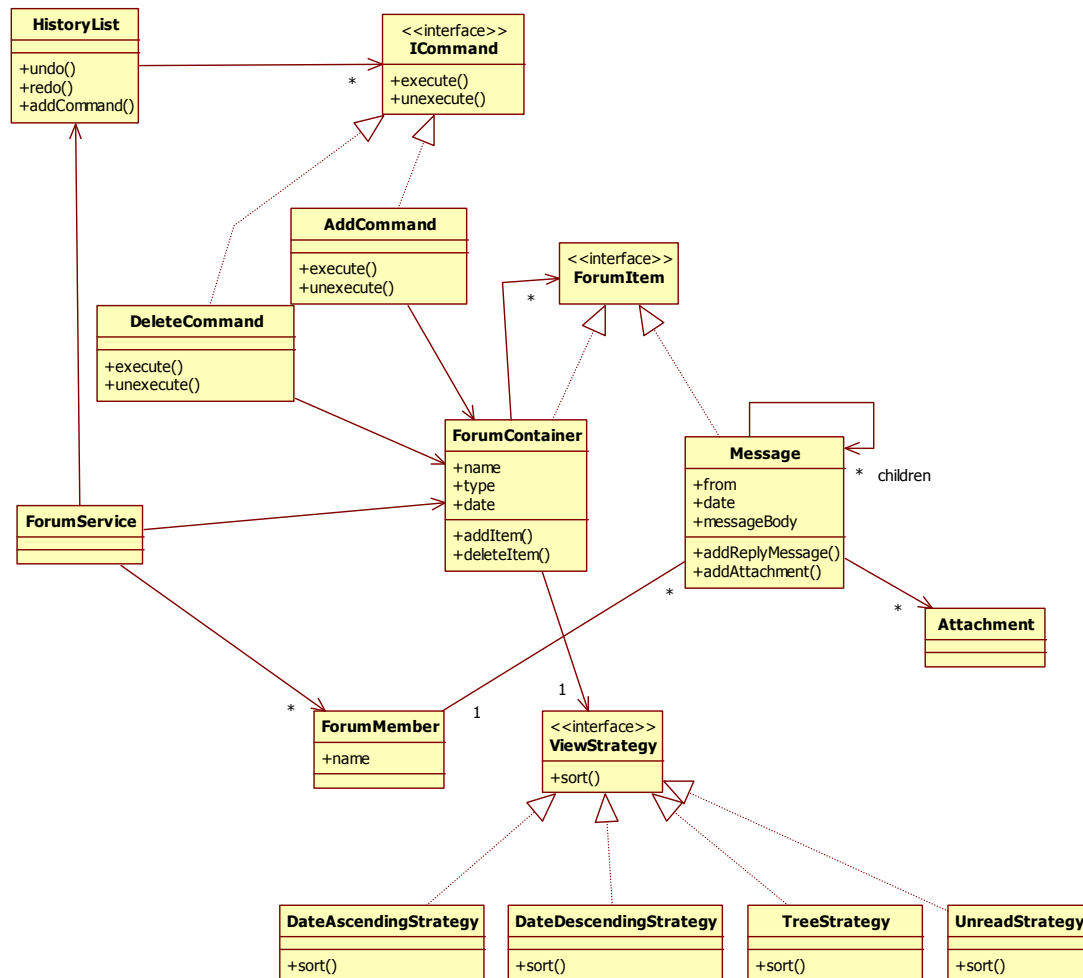


Question 1 [45 points] {50 minutes}

Command pattern, Composite pattern and Strategy pattern



Question 2 [50 points] {60 minutes}

State pattern and Observer pattern

