

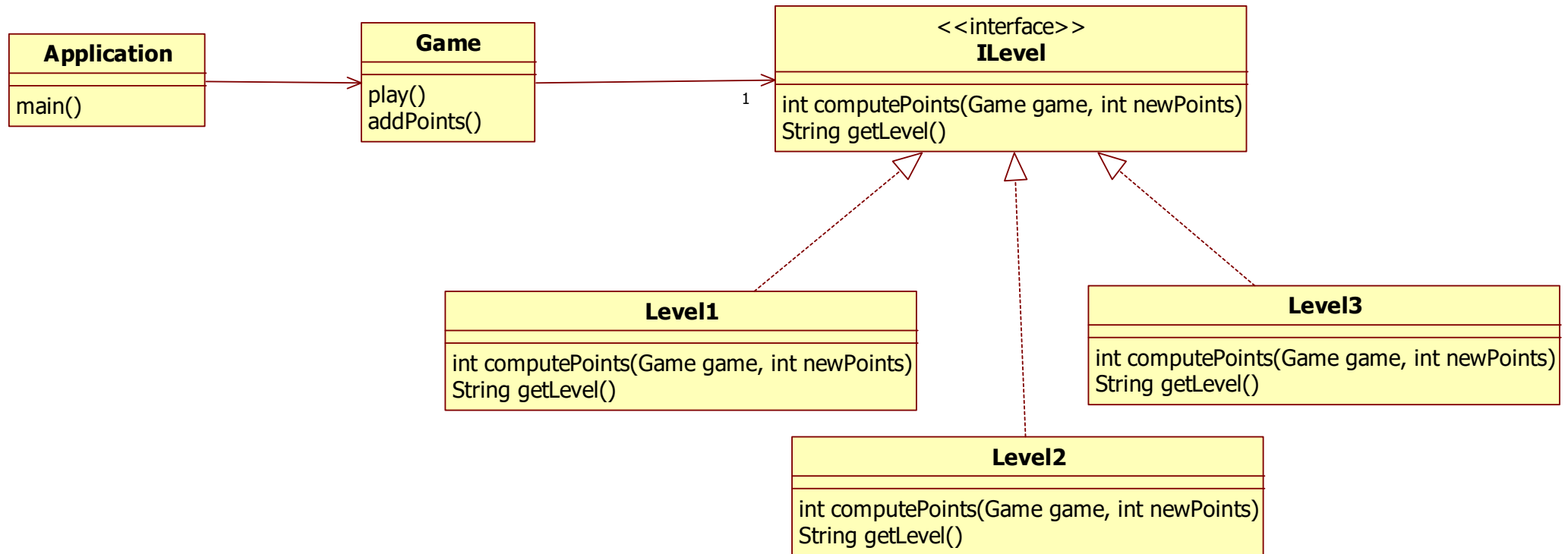
# Lab 5

```
public class Game {
    private int totalPoints = 0;
    private int level = 1;

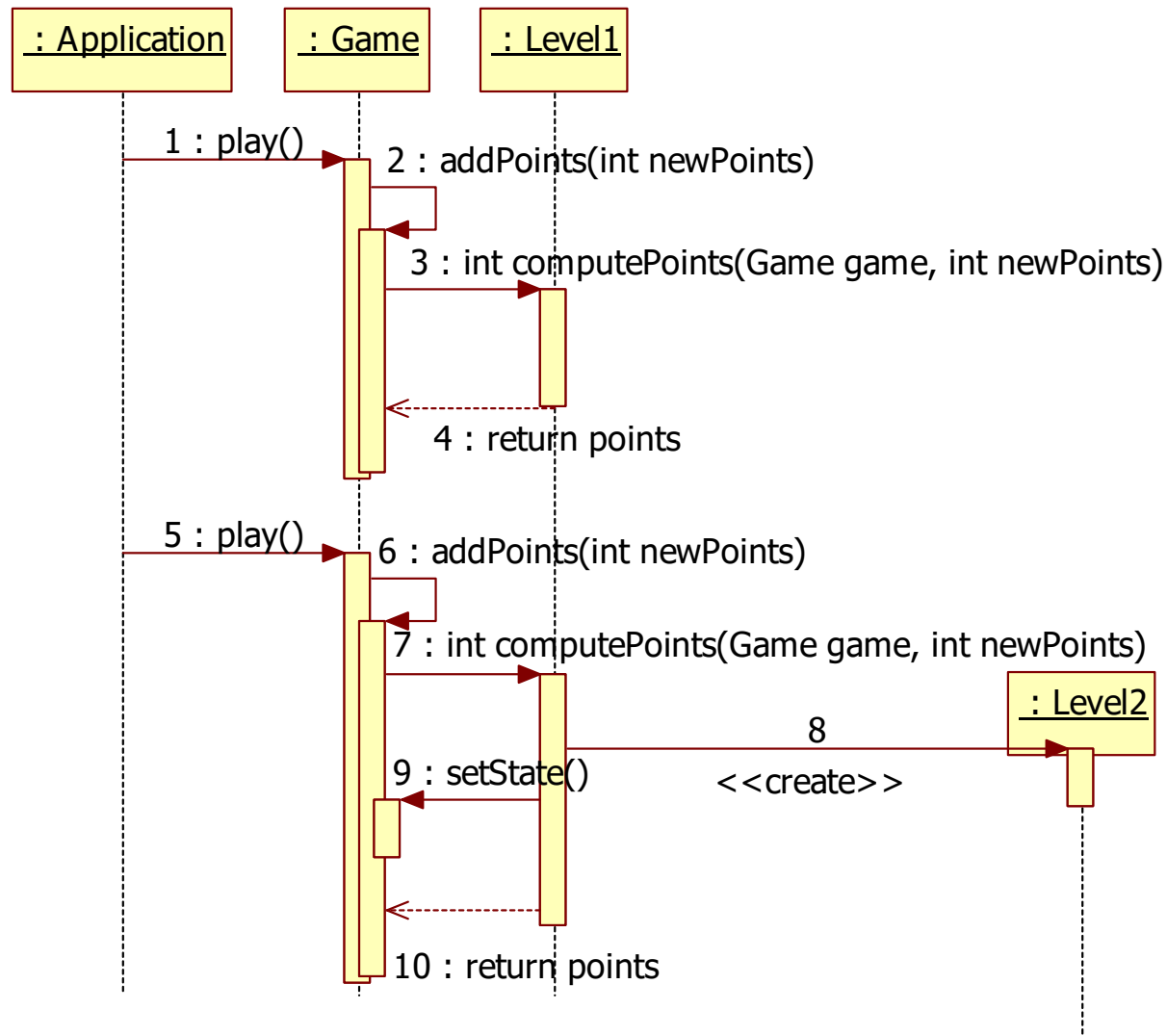
    public void play() {
        Random random = new Random();
        addPoints(random.nextInt(7));
        System.out.println("points="+totalPoints+" level="+level);
    }

    public int addPoints(int newPoints) {
        if (level == 1) {
            totalPoints = totalPoints + newPoints;
            if (totalPoints > 10) { // move to level 2
                level = 2;
                totalPoints = totalPoints + 1; //add 1 bonus point
            }
        } else if (level == 2) {
            totalPoints = totalPoints + 2 * newPoints;
            if (totalPoints > 20) { // move to level 3
                level = 3;
                totalPoints = totalPoints + 2; //add 2 bonus points
            }
        } else if (level == 3) {
            totalPoints = totalPoints + 3 * newPoints;
        }
        return totalPoints;
    }
}
```

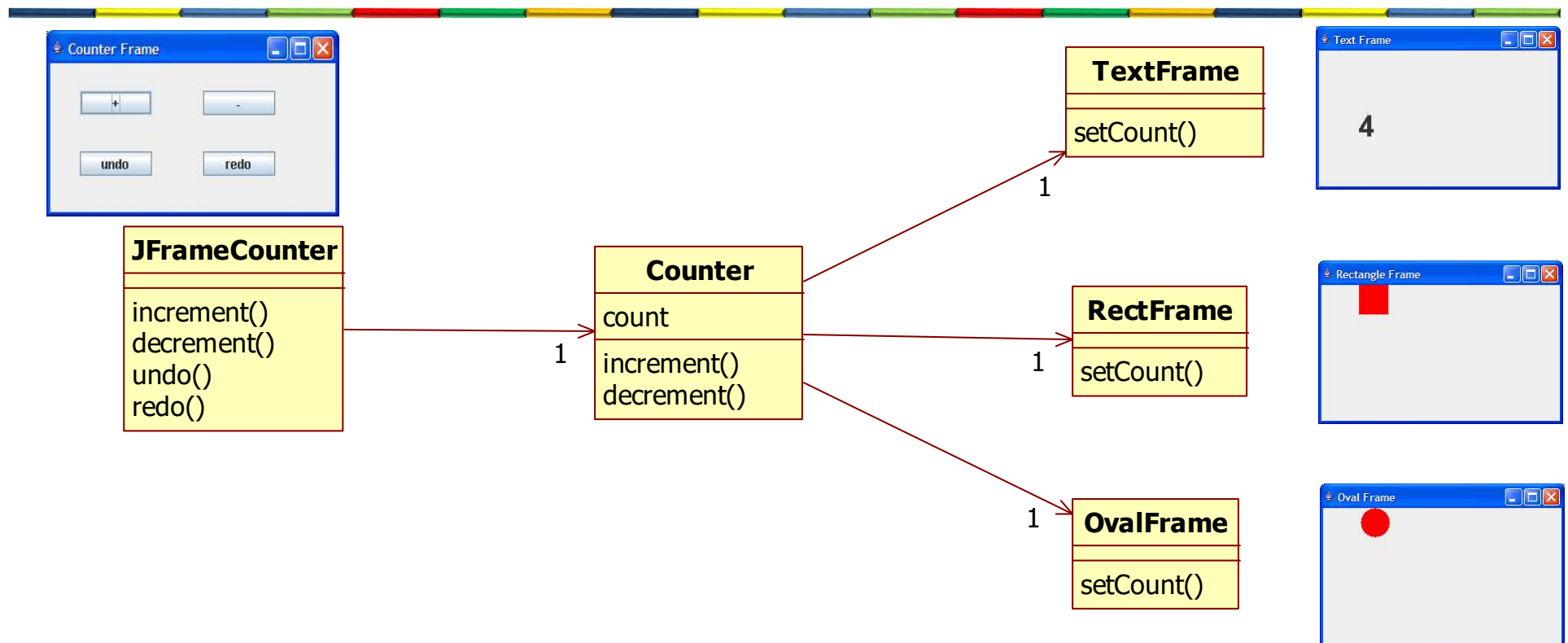
# Lab 5 a



# Lab 5 b



# Lab 6 d



- Now we want to add the following functionality to this application:
  - When the Counter value is a single digit number, then every button action (increment and decrement) will add or subtract 1 point from the current teller Counter.
  - When the Counter value is a double digit number, then every button action (increment and decrement) will add or subtract 2 points from the current Counter value.
  - When the Counter value is a triple digit number, then every button action (increment and decrement) will add or subtract 3 points from the current Counter value.

# Lab 6 d

