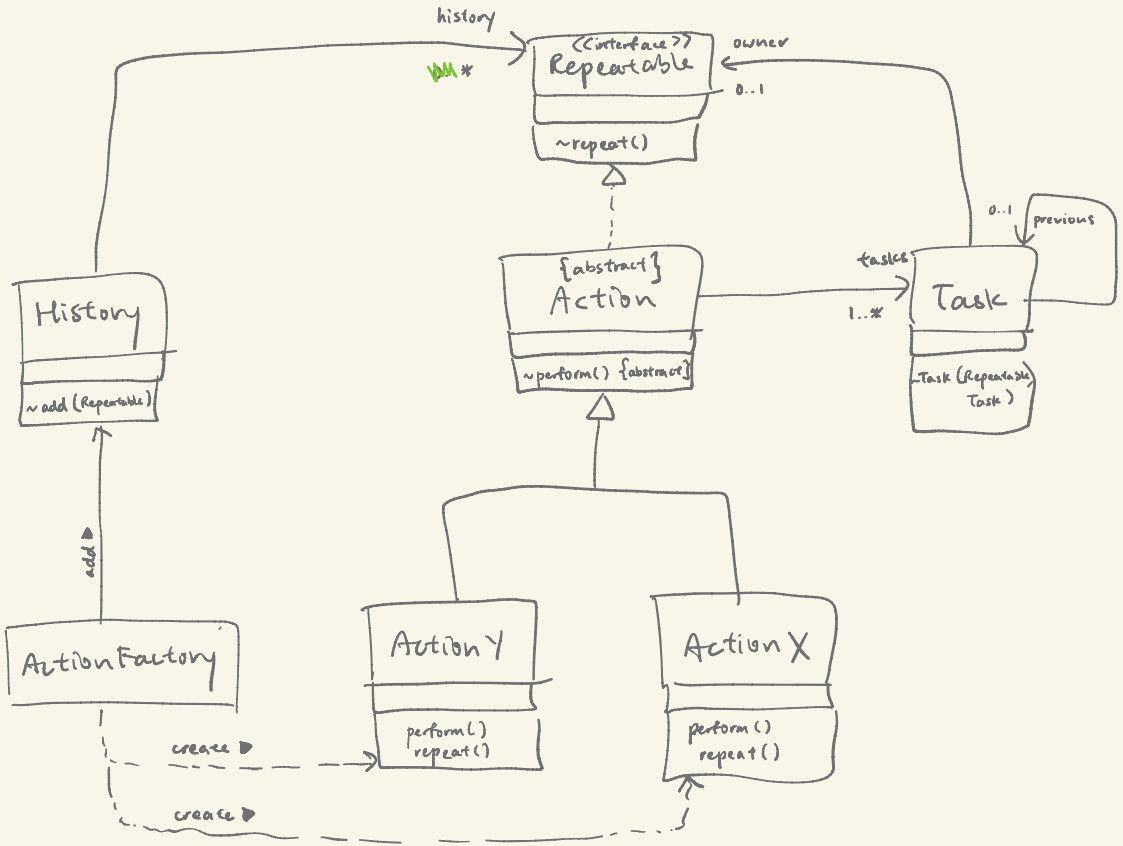


CS2103T - Tutorial 8 - Class/Object Diagrams & Sequence Diagrams

Practice: Action, Task, History



```

1 public interface Billable {
2     void bill();
3 }

```

```

1 public enum Rating {
2     GOOD, OK, POOR
3 }

```

```

1 public abstract class Item
2     implements Billable {
3     public abstract void print();
4 }

```

```

1 public class Review {
2     private final Rating rating;
3
4     public Review(Rating rating) {
5         this.rating = rating;
6     }
7 }

```

```

1 public class StockItem extends Item
2 {
3     private Review review;
4     private String name;
5
6     public StockItem(
7         String name, Rating rating)
8     {
9         this.name = name;
10        this.review = new Review(rating);
11    }
12
13    @Override
14    public void print() {
15        //...
16    }
17
18    @Override
19    public void bill() {
20        //...
21    }

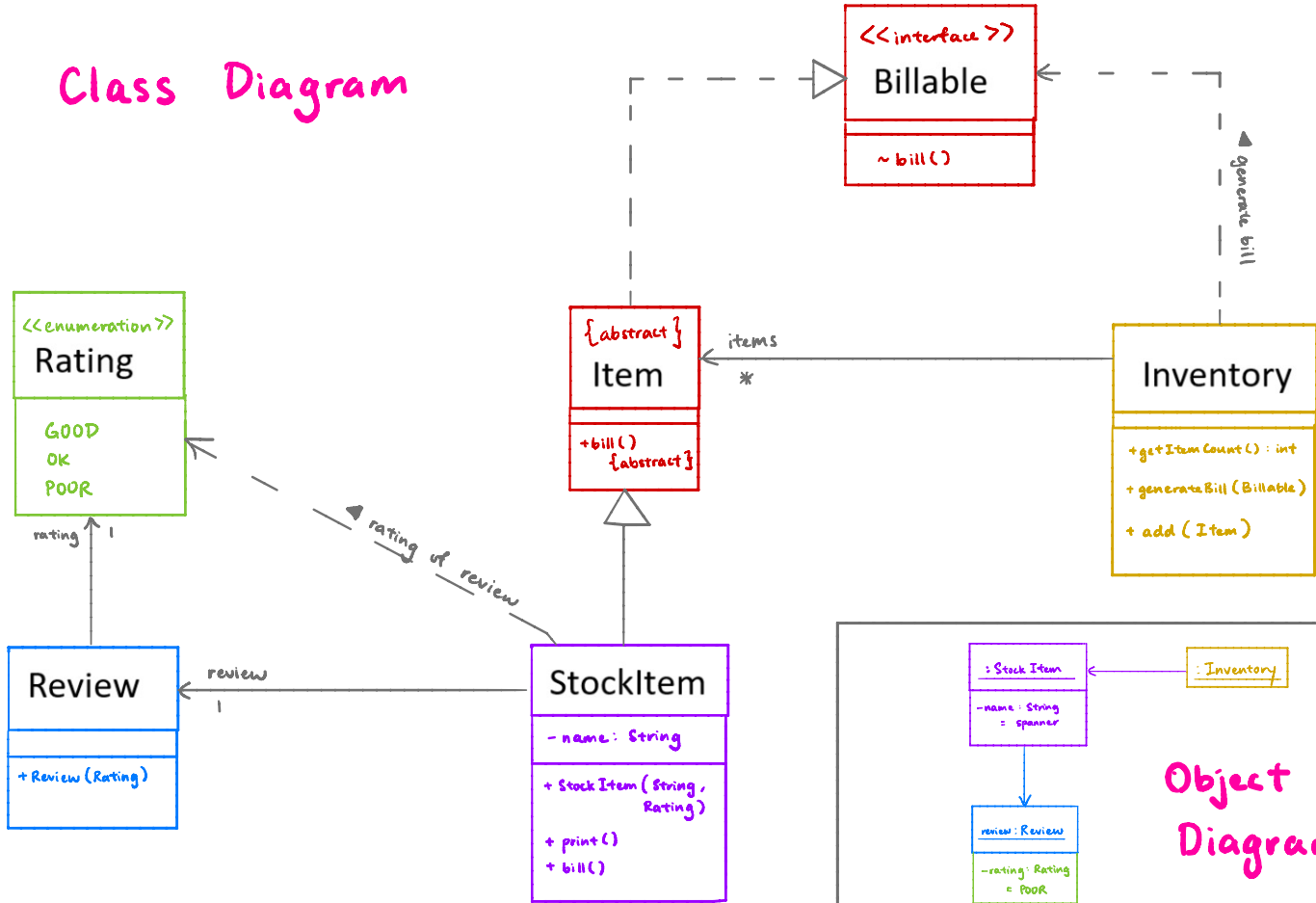
```

```

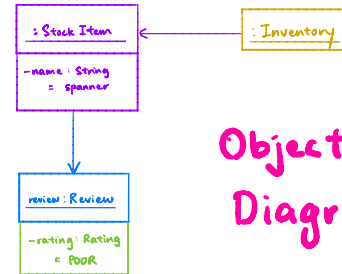
1 import java.util.List;
2
3 public class Inventory {
4     private List<Item> items;
5
6     public int getItemCount(){
7         return items.size();
8     }
9
10    public void generateBill(Billable b){
11        // ...
12    }
13
14    public void add(Item s) {
15        items.add(s);
16    }
17 }

```

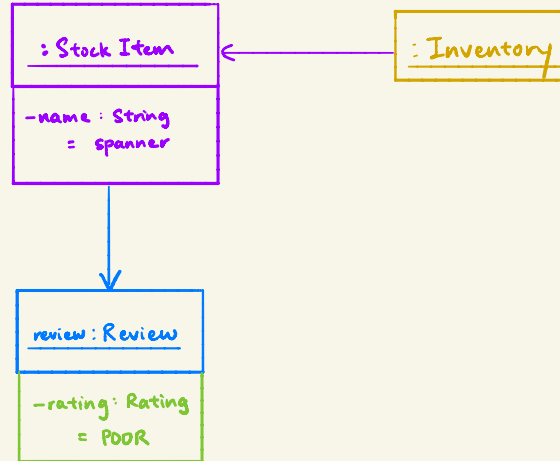
Class Diagram



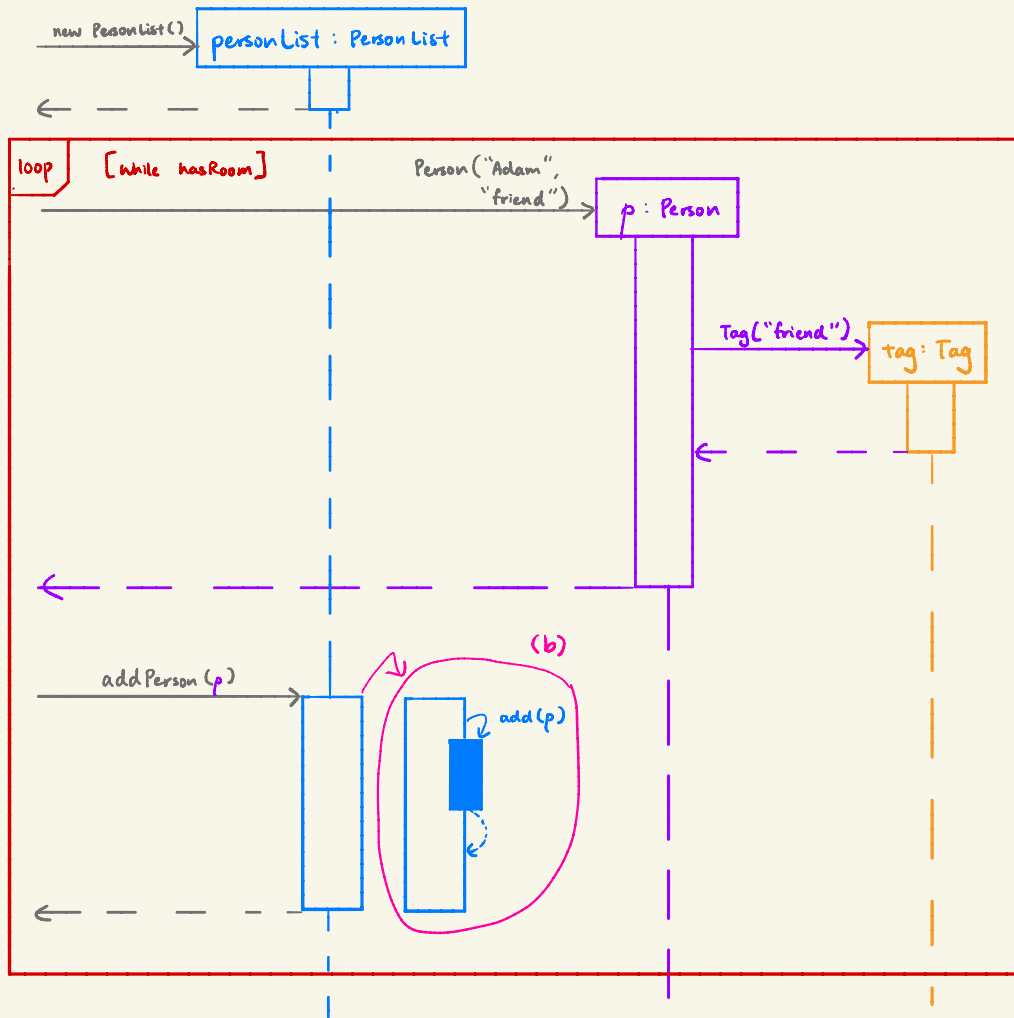
Object Diagram



Object Diagram



Sequence Diagram (a)



Sequence Diagram (b)

