



---

# MEDICAL LAB AUTOMATION SYSTEM (MLAS)

---

UML DIAGRAMS



JANUARY 1, 2015  
R NARESH (13CS30024)  
BARNOPRIYO BARUA (13CS30009)  
SOFTWARE ENGINEERING ASSIGNMENT

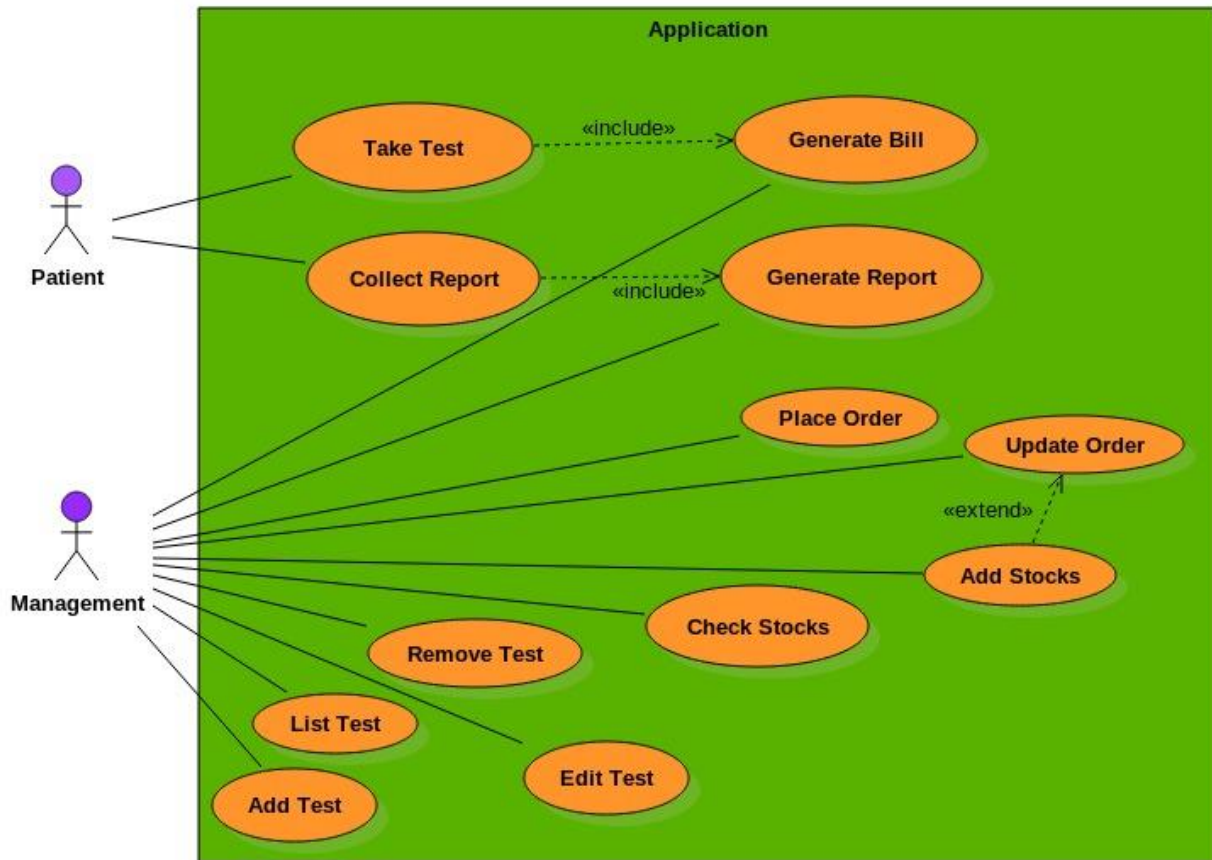
## TABLE OF CONTENTS

---

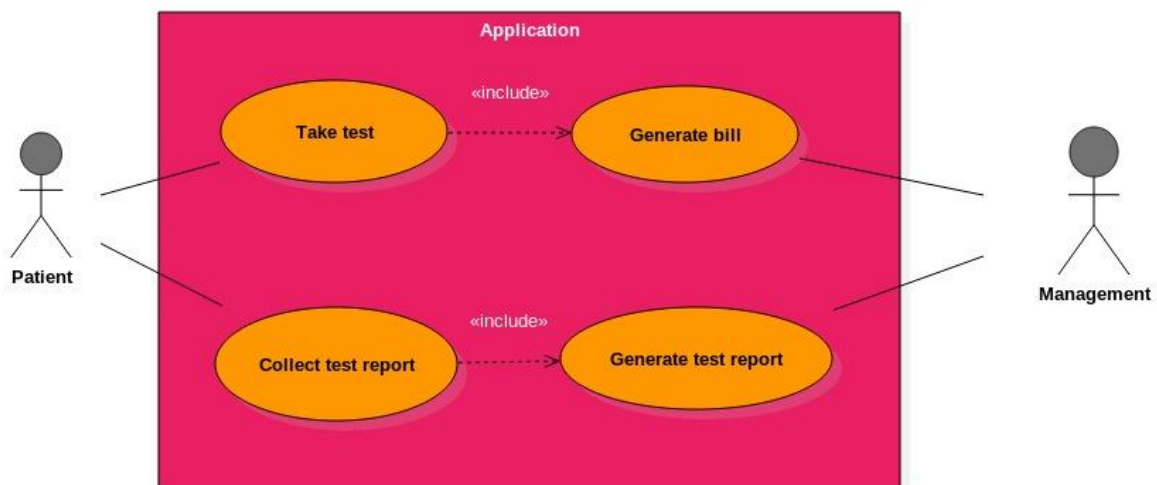
1	Use Case Diagrams .....	2
1.1	Total Diagram (Containing all User Classes) .....	2
1.2	User Class – Patient.....	2
1.3	User Class – Management .....	3
2	Class Diagram .....	4
3	Sequence Diagrams.....	5
3.1	Taking a Test and Collection Of Test Report .....	5
3.2	Remove a Test.....	6
3.3	Add a Test .....	6
3.4	Place Order for Shortage of stock.....	7
4	Collaboration Diagrams .....	8
4.1	Taking a Test and Collection Of Test Report .....	8
4.2	Place Order for Shortage of stock.....	8
4.3	Remove Test.....	9
4.4	Add a Test .....	9
5	Activity Diagrams .....	10
5.1	Take Test and Collect Bill .....	10
5.2	Collect Bill.....	11
5.3	Add Test .....	11
5.4	Remove a Test.....	12

# 1 USE CASE DIAGRAMS

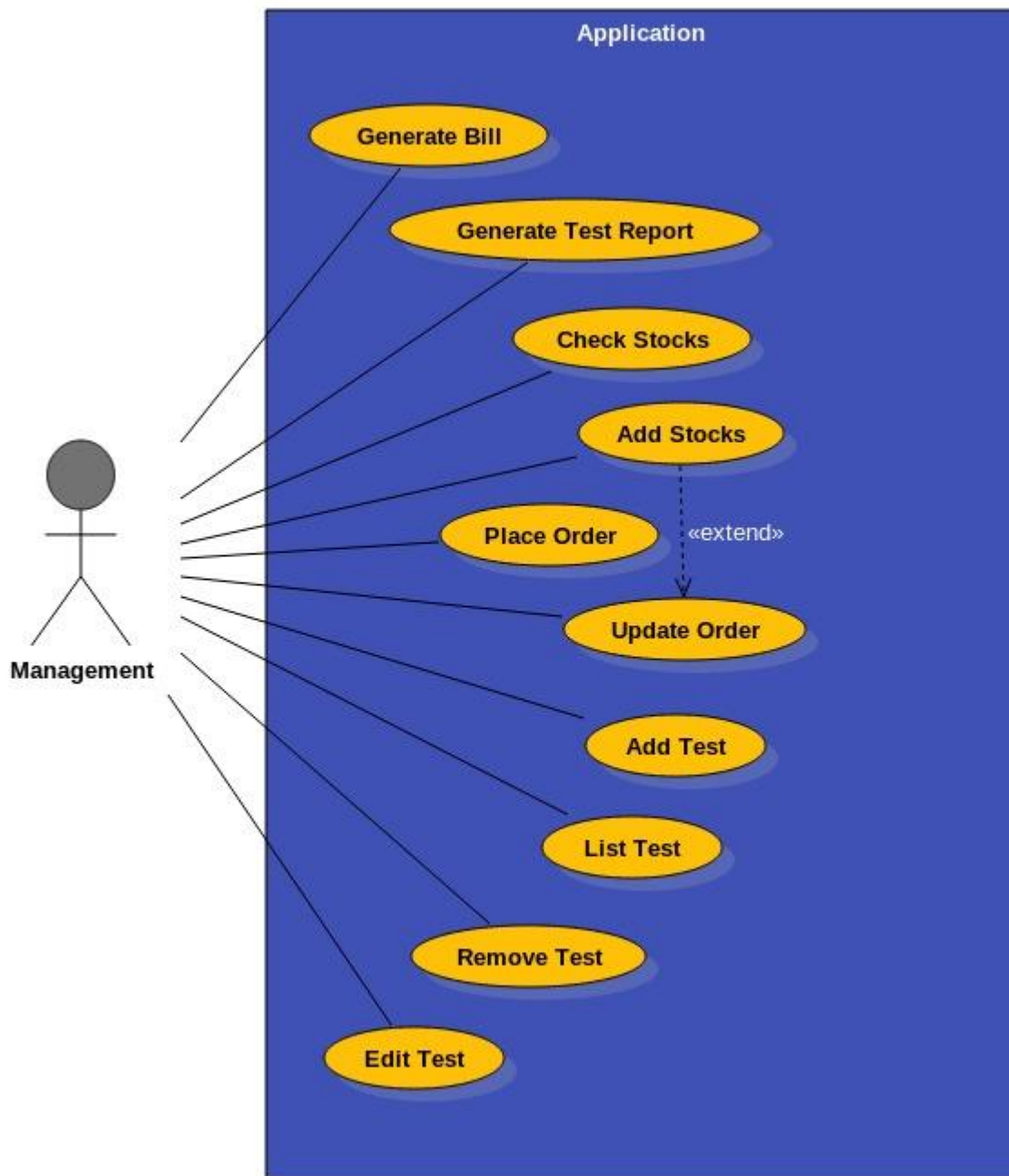
## 1.1 TOTAL DIAGRAM (CONTAINING ALL USER CLASSES)



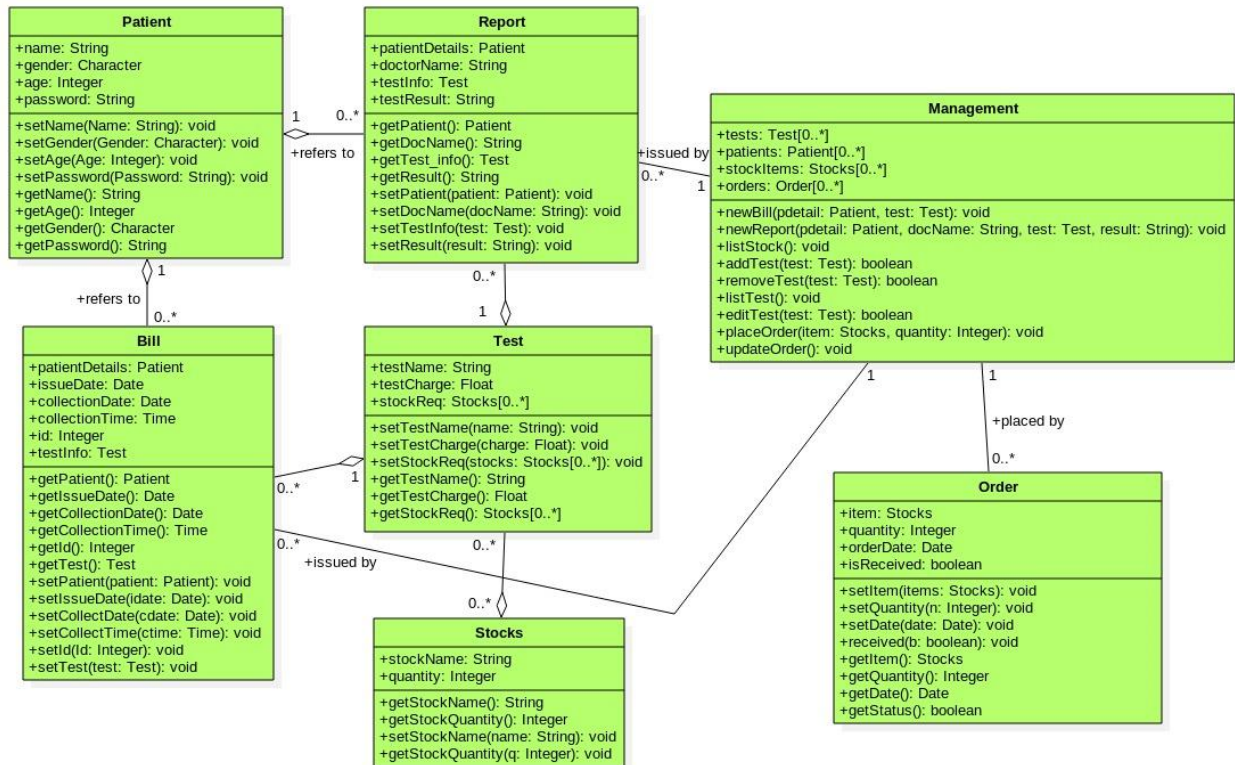
## 1.2 USER CLASS – PATIENT



### 1.3 USER CLASS – MANAGEMENT



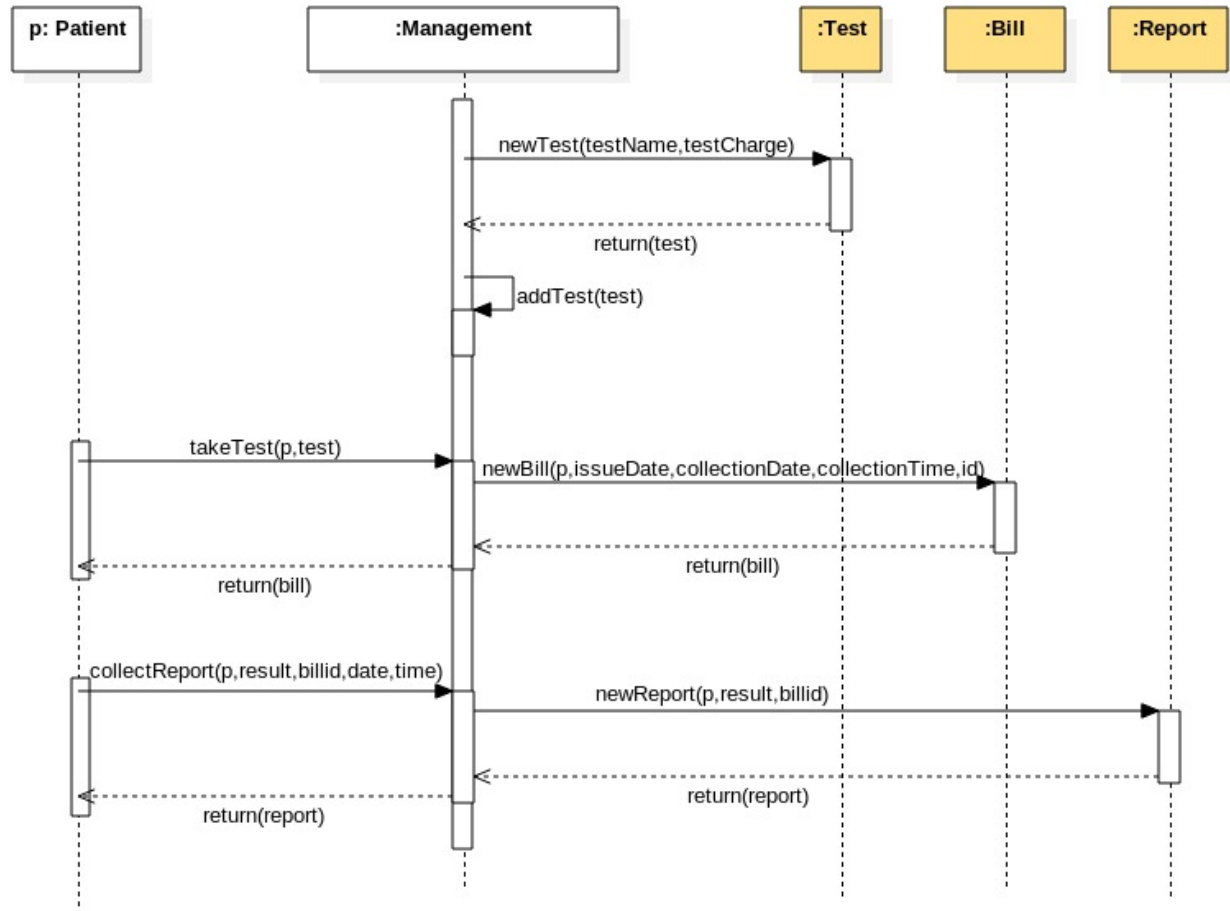
## 2 CLASS DIAGRAM



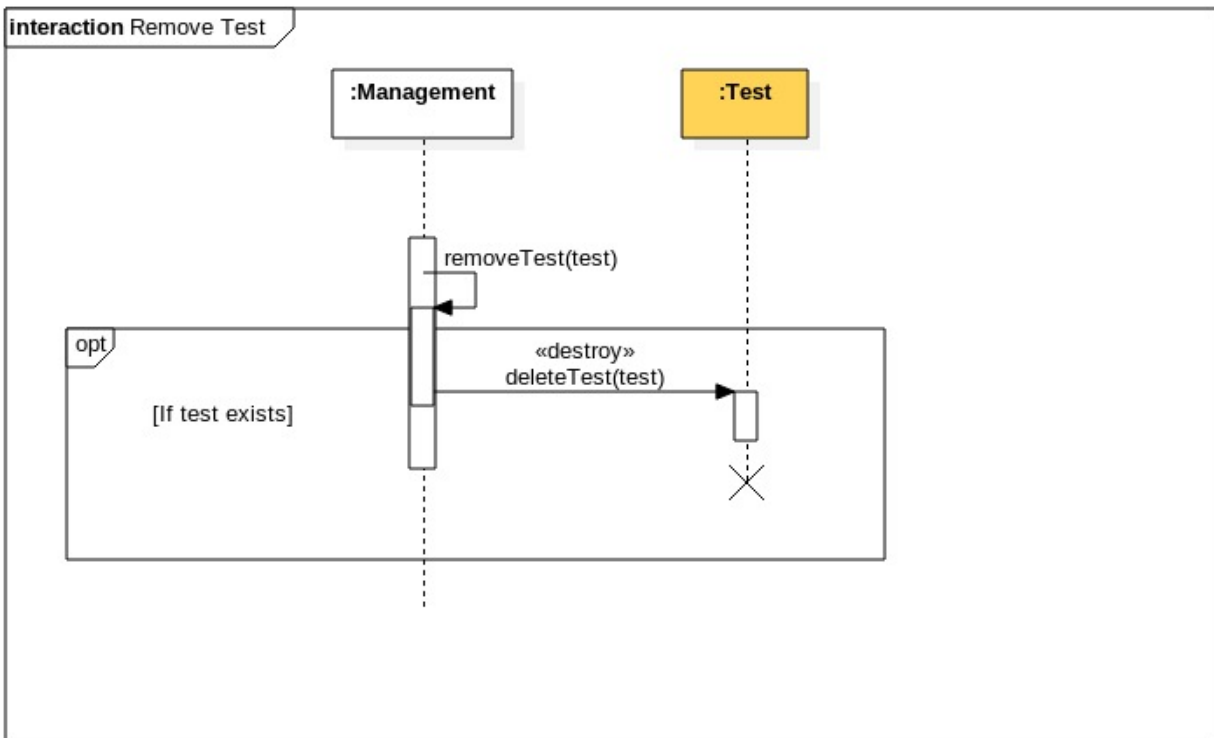
### 3 SEQUENCE DIAGRAMS

---

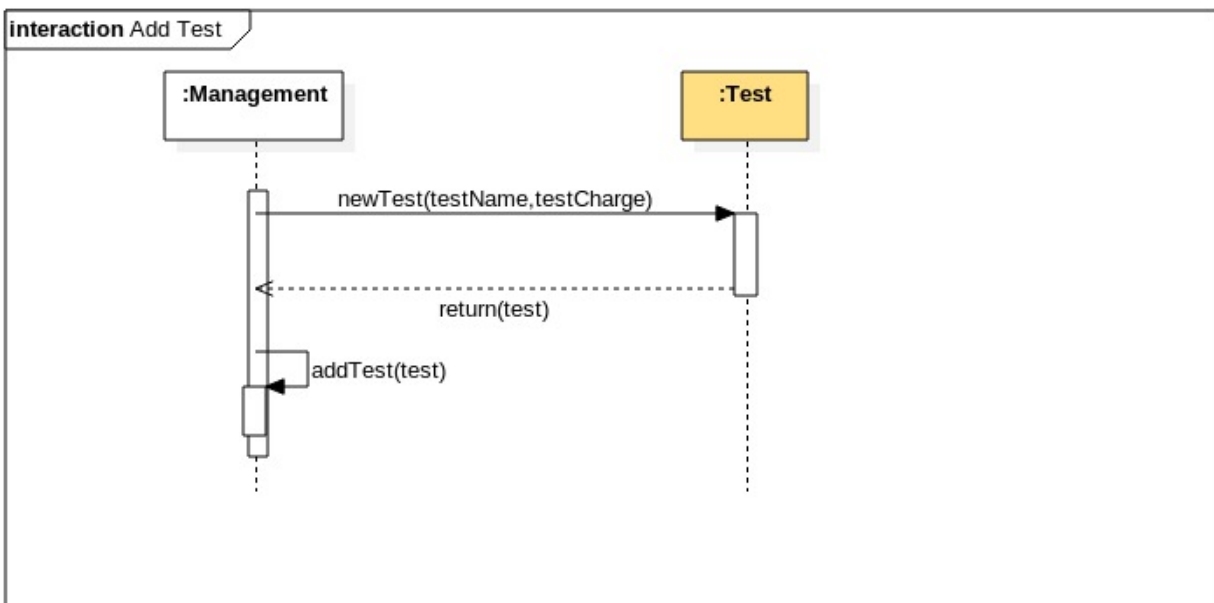
#### 3.1 TAKING A TEST AND COLLECTION OF TEST REPORT



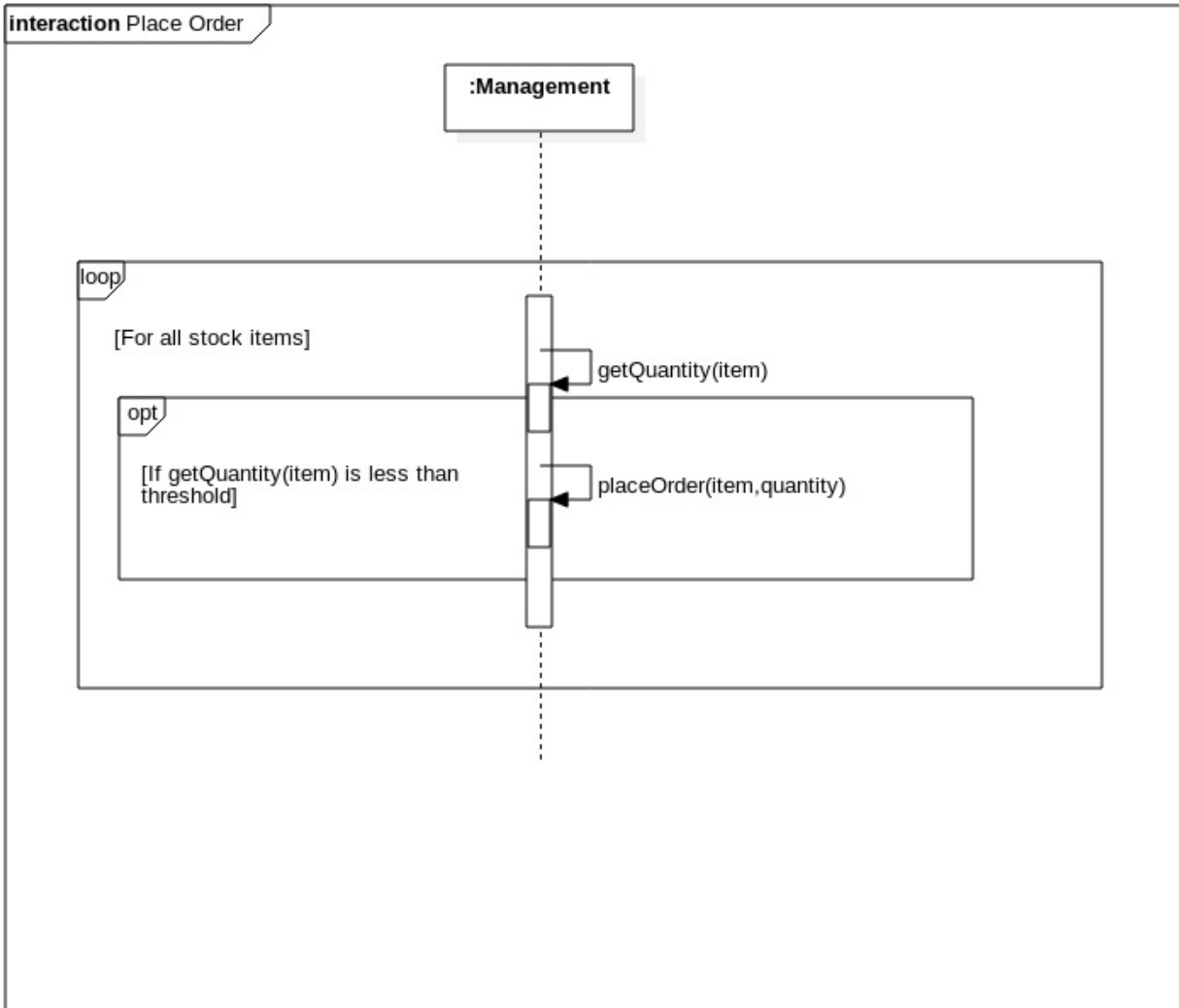
### 3.2 REMOVE A TEST



### 3.3 ADD A TEST



### 3.4 PLACE ORDER FOR SHORTAGE OF STOCK

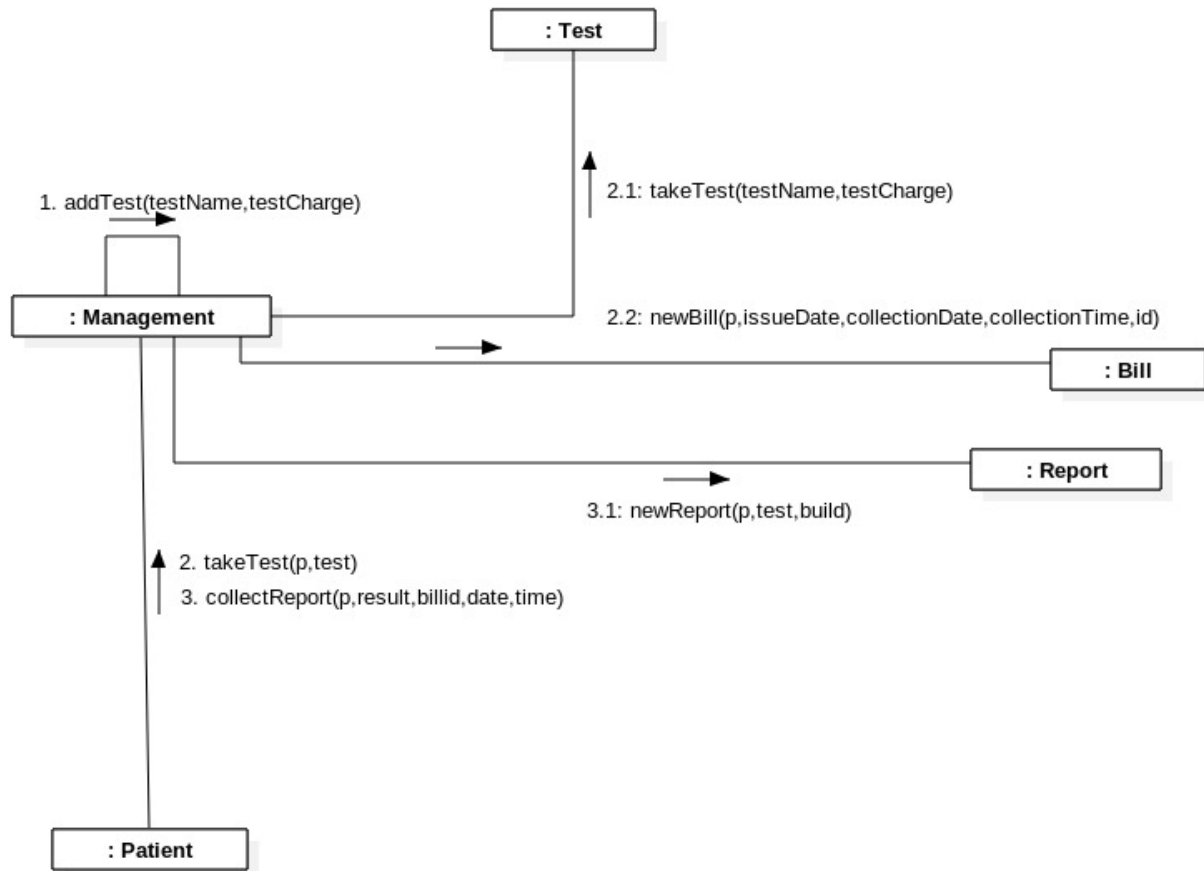




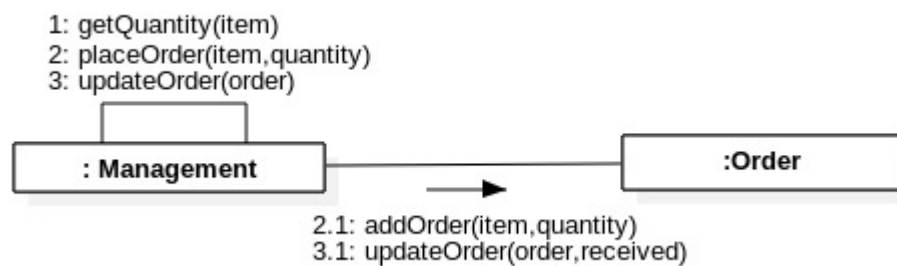
## 4 COLLABORATION DIAGRAMS

---

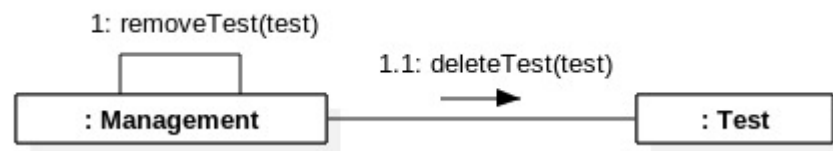
### 4.1 TAKING A TEST AND COLLECTION OF TEST REPORT



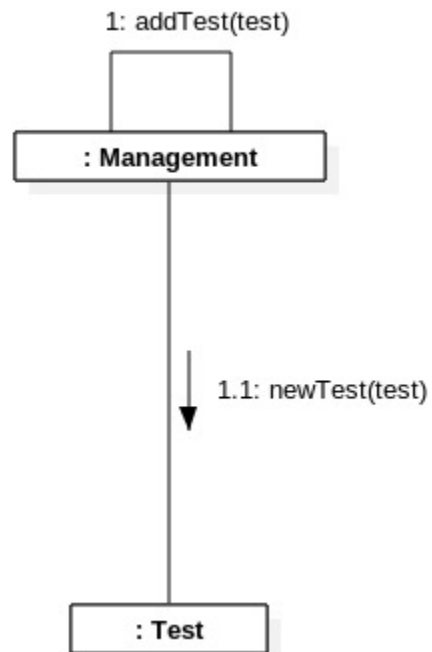
### 4.2 PLACE ORDER FOR SHORTAGE OF STOCK



### 4.3 REMOVE TEST

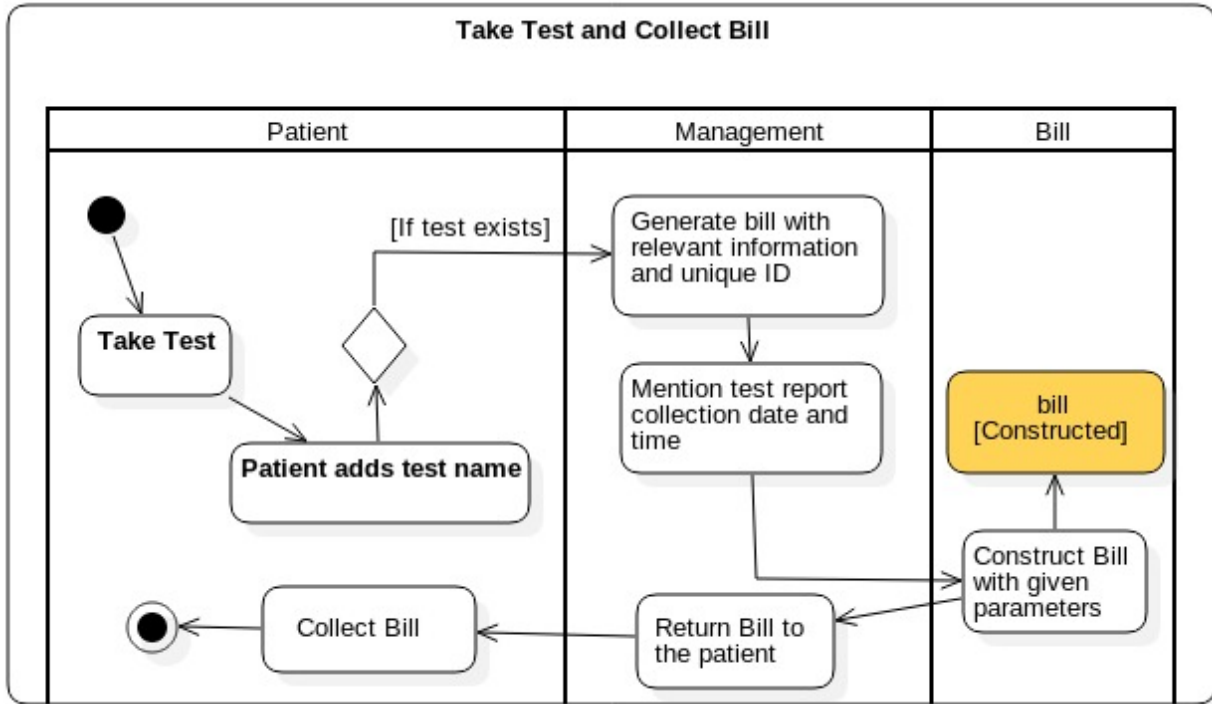


### 4.4 ADD A TEST

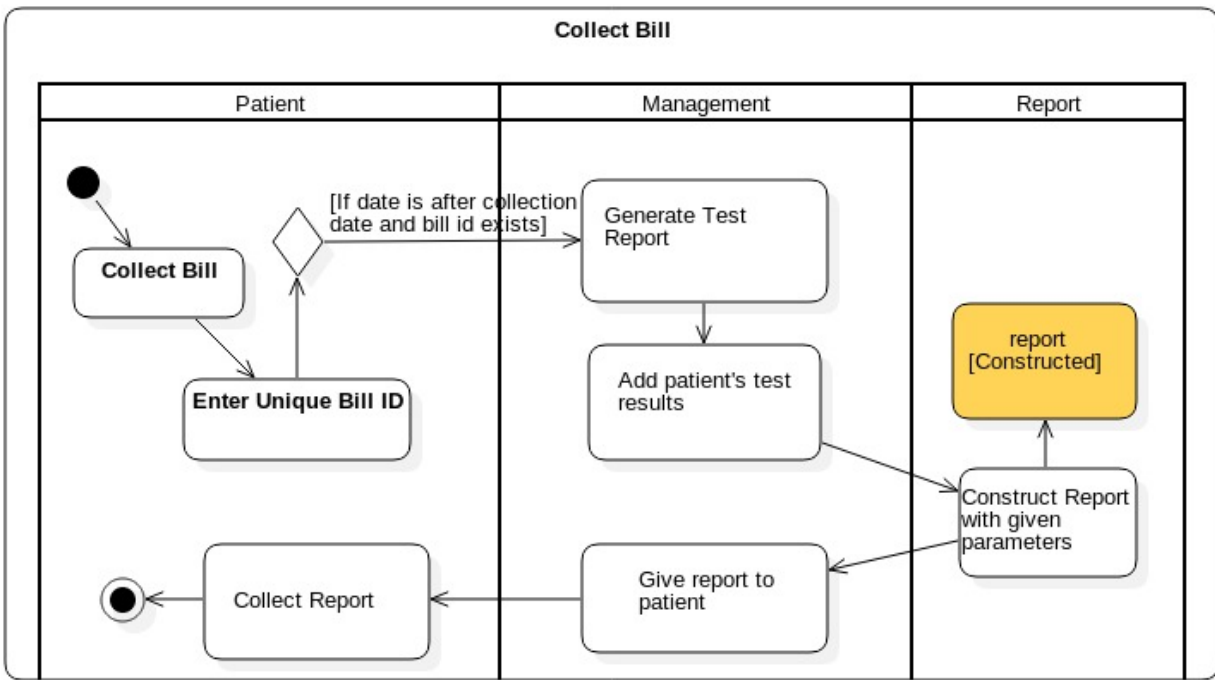


## 5 ACTIVITY DIAGRAMS

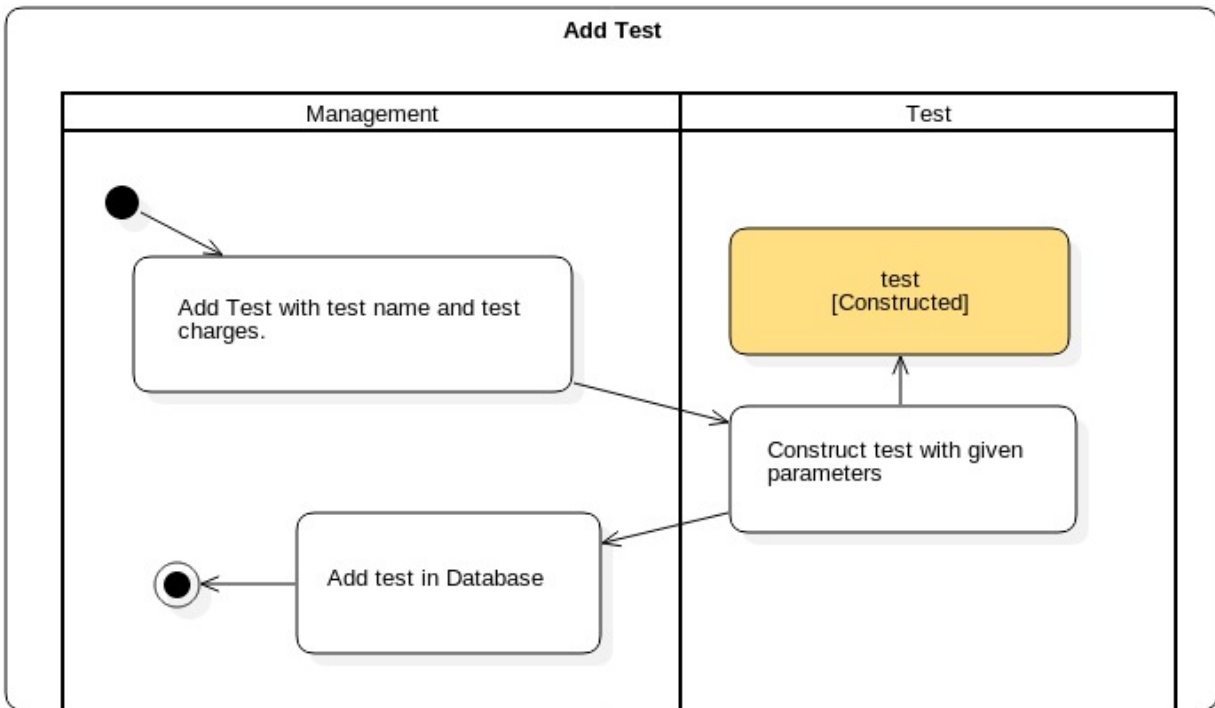
### 5.1 TAKE TEST AND COLLECT BILL



## 5.2 COLLECT BILL



## 5.3 ADD TEST



## 5.4 REMOVE A TEST

