**Assignment No. 02**

**Software Engineering I – CS504**

**Graded Assignment**

**Mc140200336**

**Question: 1**

Derive functional requirements from the above scenario.

**functional requirements**

1. Using this system, Manager can provide table to the customer either directly or by call reservations.
2. A device on the table will be the part of System. It has interface with three functions i.e. Call, Take Order, Pay Bill.
3. System will show a number plate when it is reserved
4. System will provide the manager seating arrangement management System
5. Call function engage the manager to resolve any issue regarding seating.

**Question: 2**

On the basis of functional requirements, draw UML diagram.

**Services**

**Staff**

**Restaurant**

**Customer**

**Manager**

**Kitchen staff**

**Waiter**

**Credit**

**Cash**

**Customer care**

**Payment**