School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	6
Title of Experiment	Design a System Architecture, Use Case and Class Diagram
Name of the candidate	AKASH THAKUR
Team Members	UDAY TEKCHANDANI , HARSHIT
Register Number	03,07
Date of Experiment	6/3/2023

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Staff Signature with date

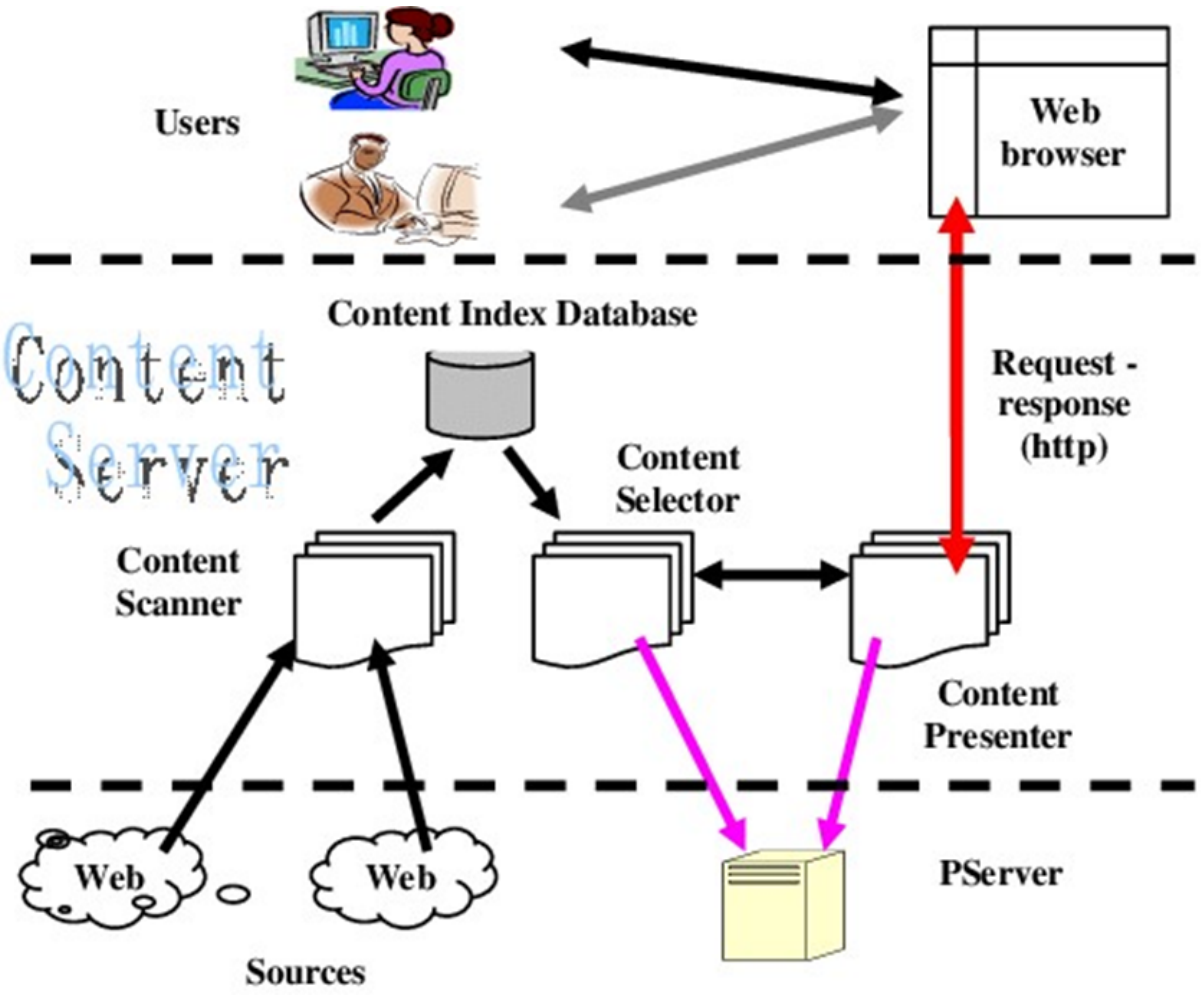
Aim

To Design a System Architecture, Use case and Class Diagram

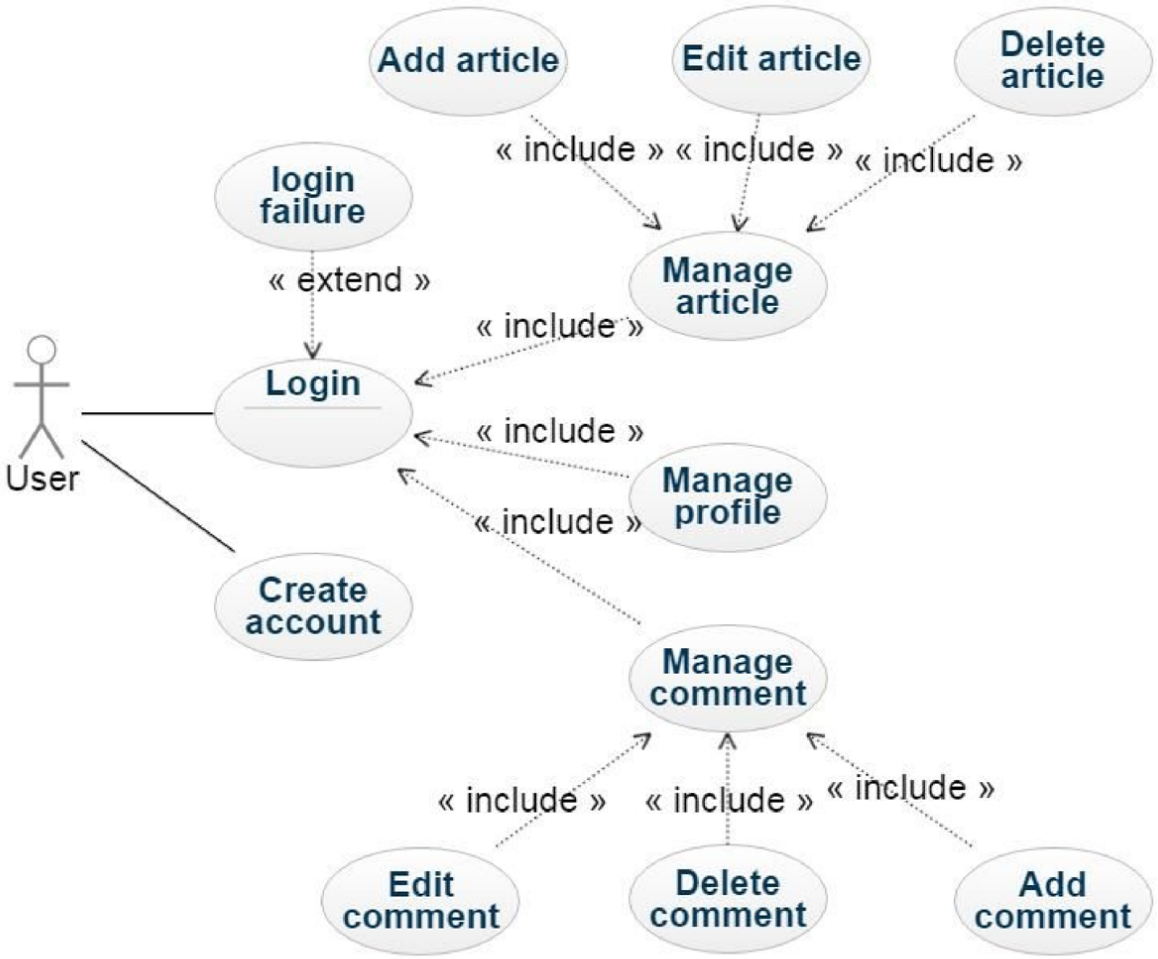
Team Members:

Sl No	Register No	Name	Role
1	RA2111031010007	HARSHIT	Rep
2	RA2111031010013	AKASH THAKUR	Member
3	RA2111031010003	UDAY TEKCHANDANI	Member

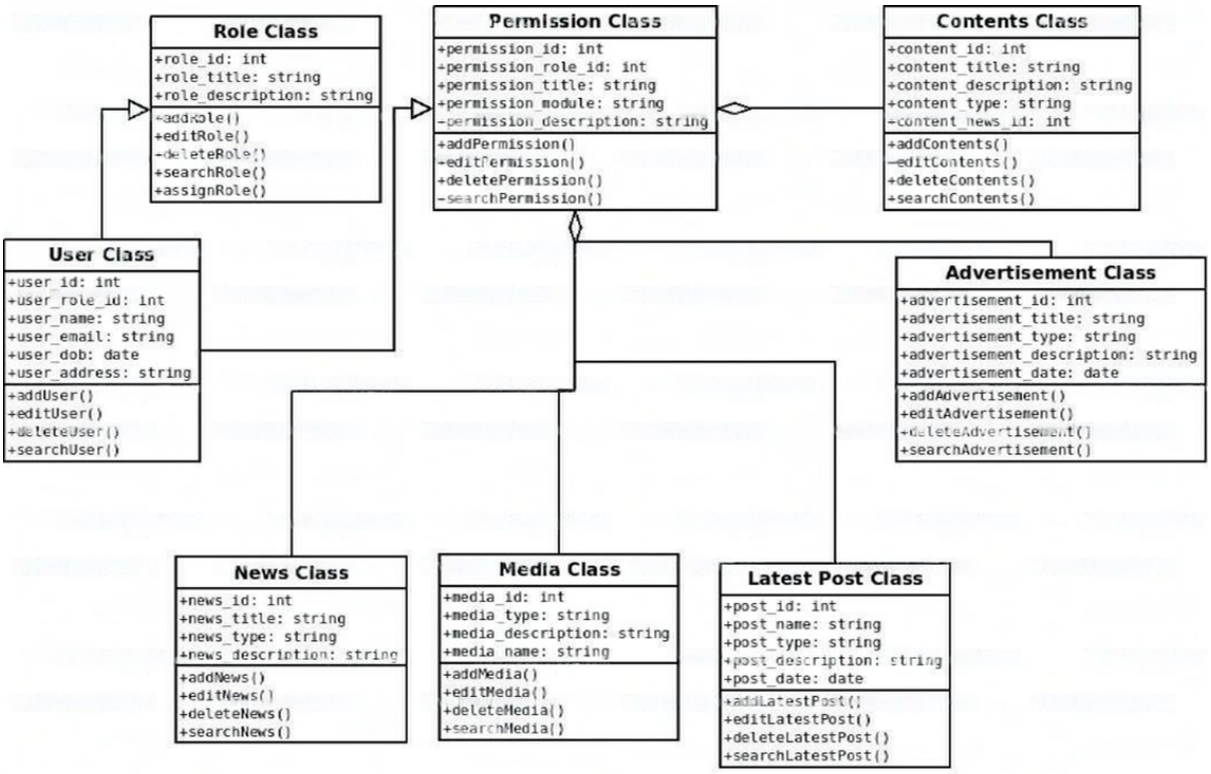
- SYSTEM ARCHITECTURE



- **USE CASE DIAGRAM**



- **CLASS DIAGRAM**

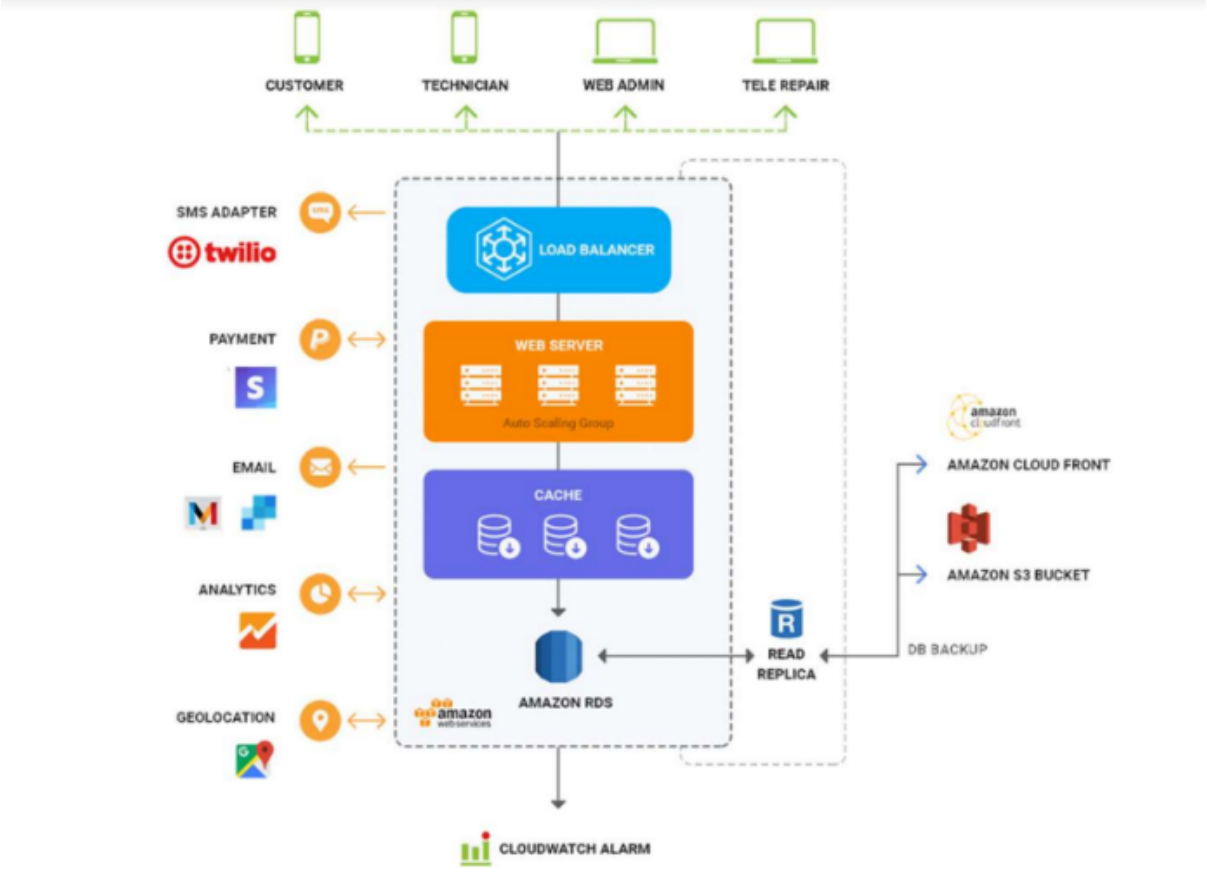


Class Diagram of News Portal System

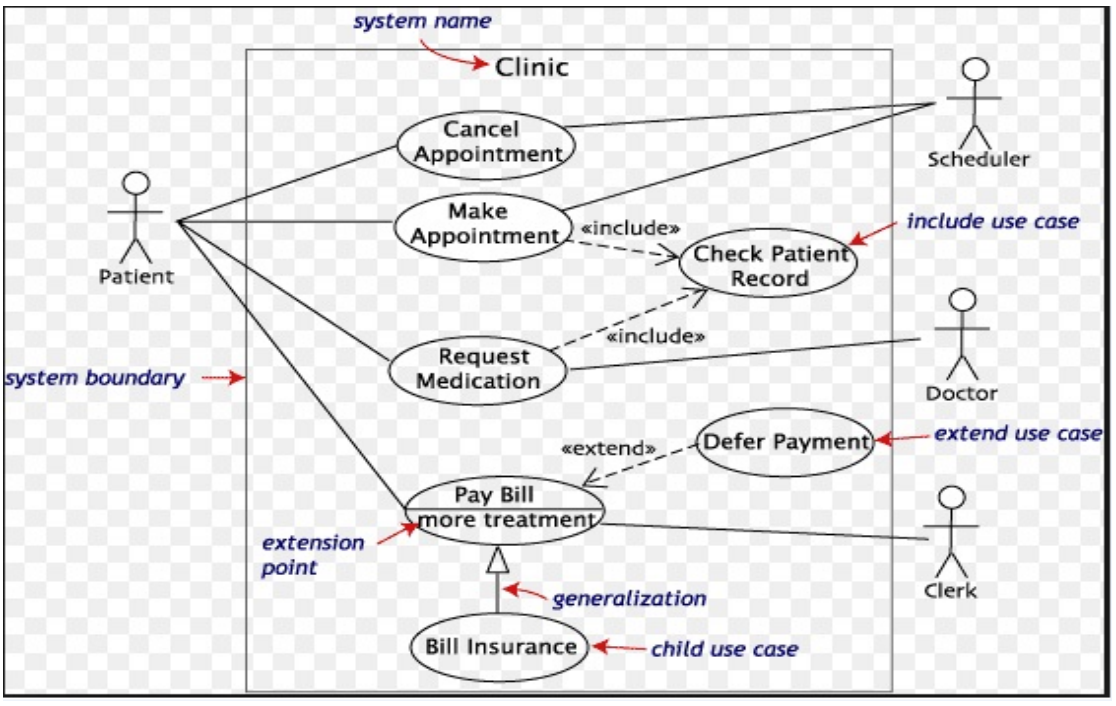
Result:

Thus, the system architecture, use case and class diagram created successfully.

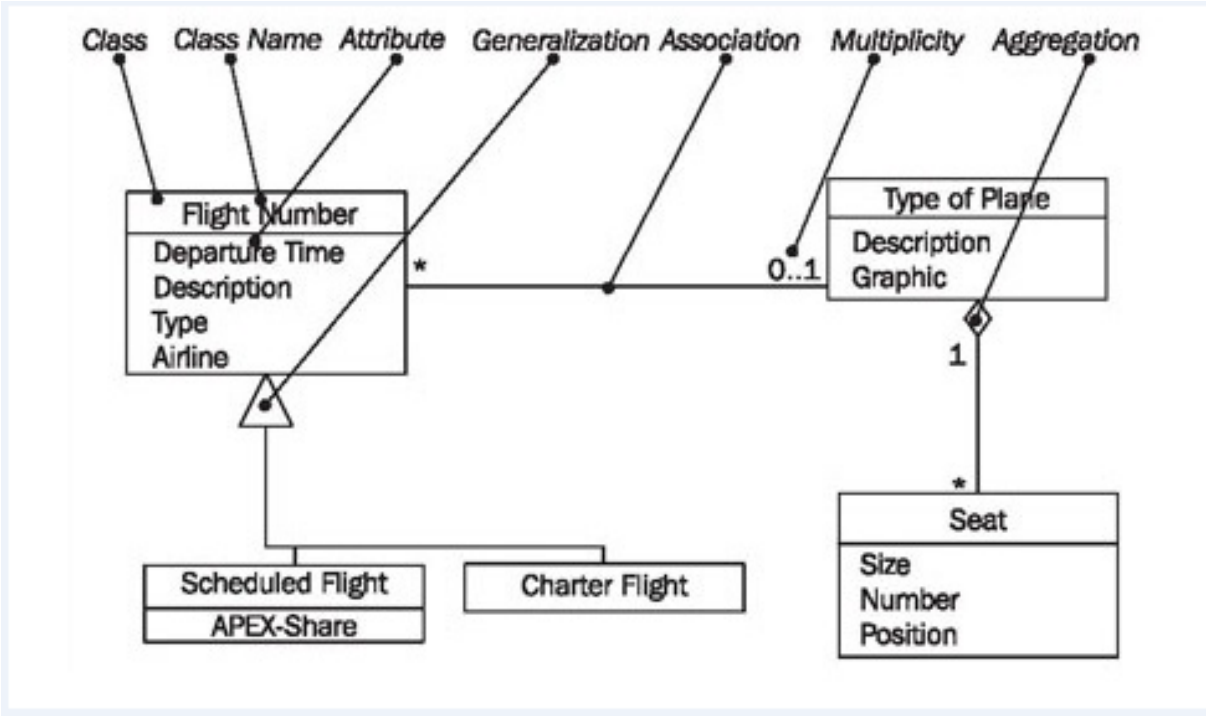
SYSTEM ARCHITECTURE – Example



USE CASE DIAGRAM – Example



CLASS DIAGRAM – Example


Class
Class Name
Attribute
Generalization
Association
Multiplicity
Aggregation
Flight Number
Departure Time
Description
Type
Airline
*
0..1
Type of Plane
Description
Graphic
1
*
Seat
Size
Number
Position
Scheduled Flight
APEX-Share
Charter Flight