Department of Computer Science Engineering

SRM IST, Kattankulathur – 603 203

18CSC206J – SOFTWARE ENGINEERING AND PROJECT MANAGEMENT

Experiment No	06
Title of Experiment	Design a System Architecture, Use Case and Class Diagram
Name of the Candidate	Sai Rohit P
Team Members	Sai Rohit (RA2111003010806) Pavan Sagar (RA2111003010809)
Date of Experiment	

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:

S. No.	Register Number	Name	Role
1	RA2111003010806	Sai Rohit	Rep
2	RA2111003010809	Pavan Sagar	Member

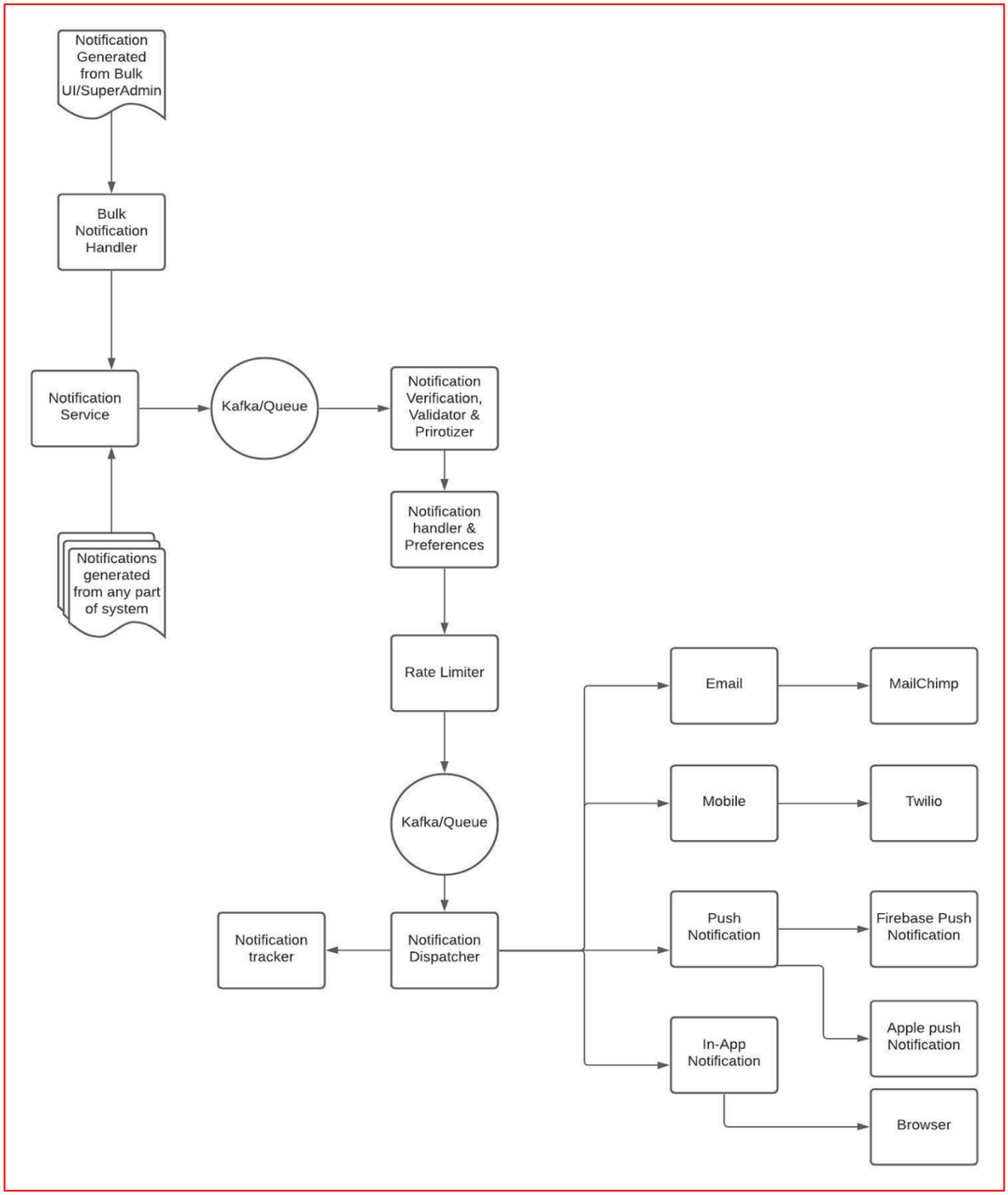
Project Title: TimetableSOS

Requirements

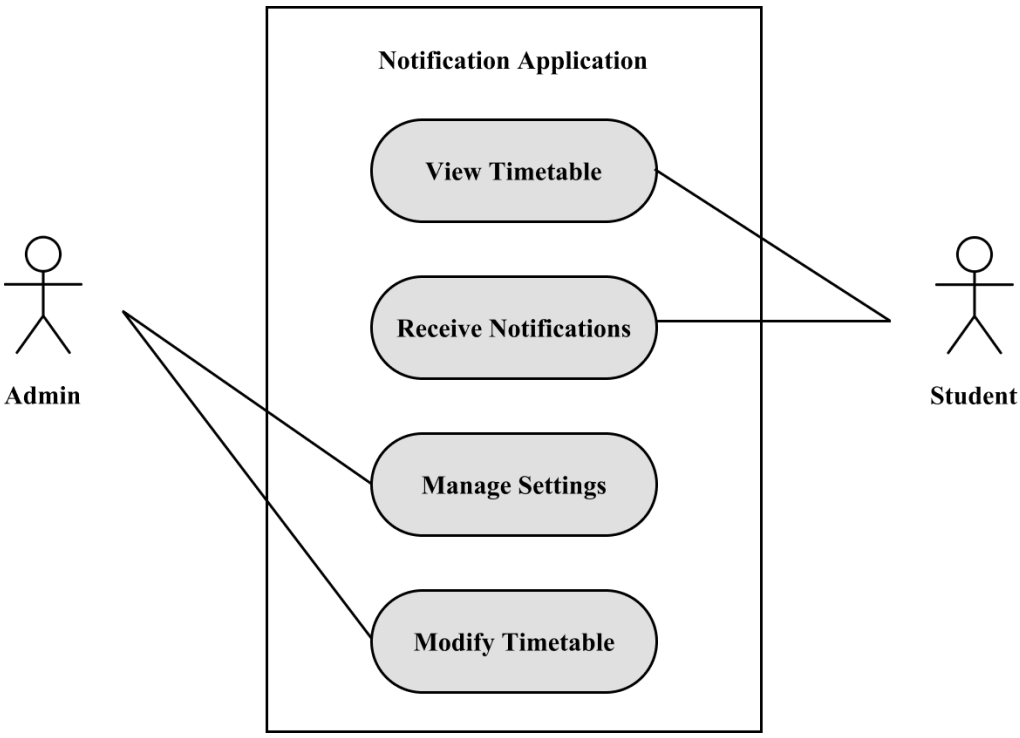
System Architecture Details:

- Authentication and user management: Use a service such as Firebase Authentication or Auth0 for user authentication and management.
- Push notifications: Push notification service such as Firebase Cloud Messaging or OneSignal to send notifications to users.
- Timetable integration: APIs provided by different college timetable systems to retrieve schedule information and integrate it with the application.
- Database storage: A cloud-based database service such as Google Firebase or Amazon Web Services to store user and schedule data.
- Analytics and user tracking: Service such as Google Analytics or Mixpanel to track user behavior and gain insights into usage patterns.
- Payment processing: Includes premium features or a subscription model, it may use a payment processing service such as Stripe or PayPal to handle transactions.

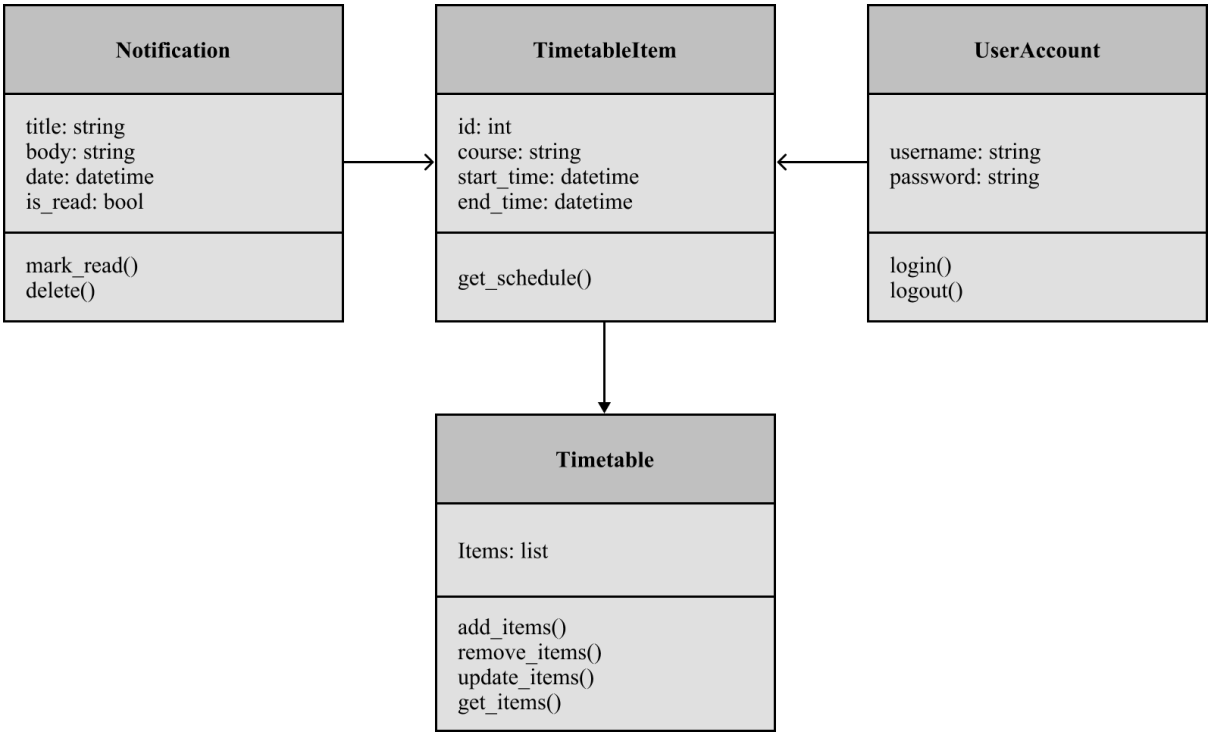
System Architecture Diagram:



Use case diagram:



Class Diagram:



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