IT314: Software Engineering

Design Document for Project

Group: 15 Conference Management System

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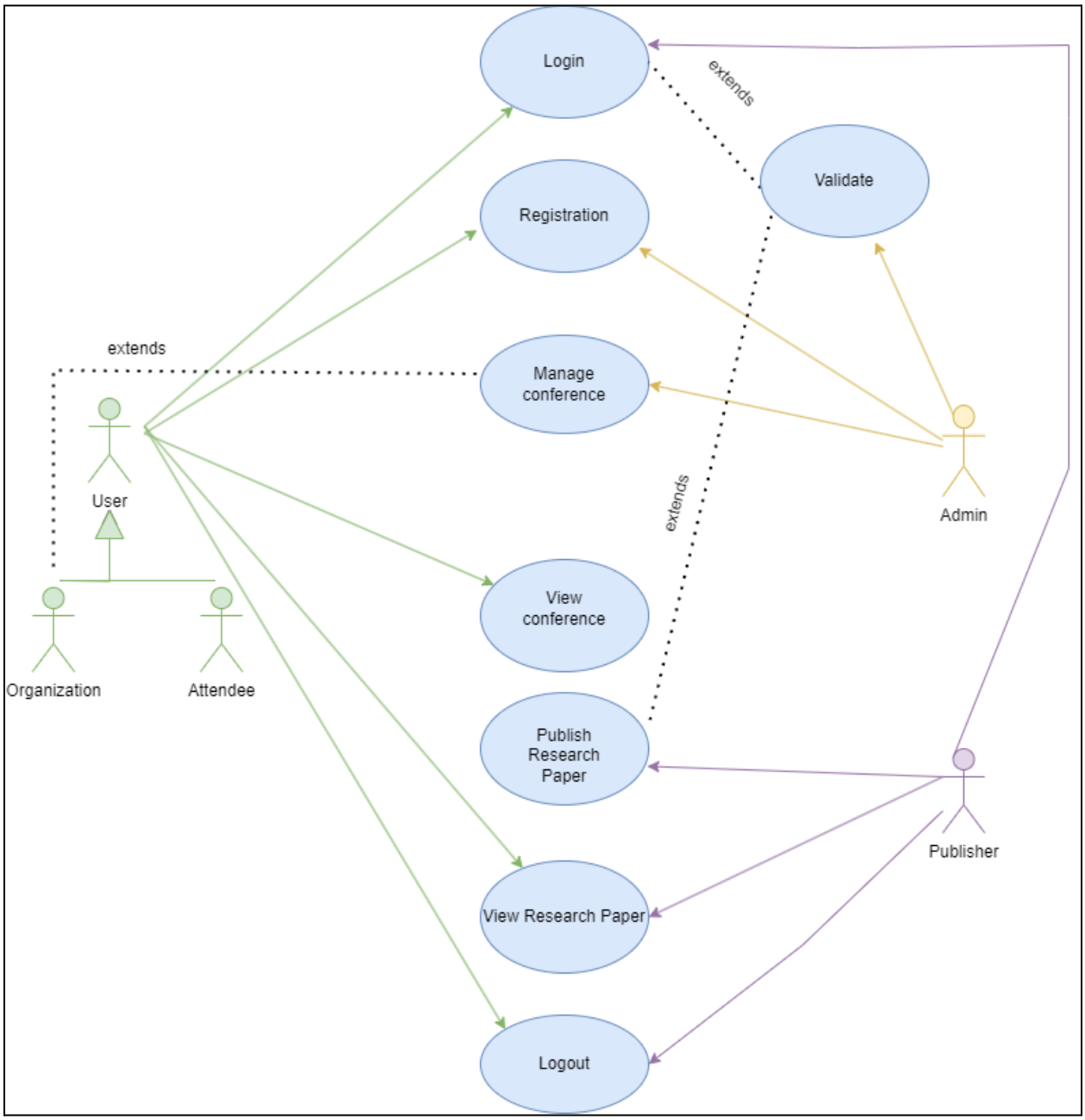
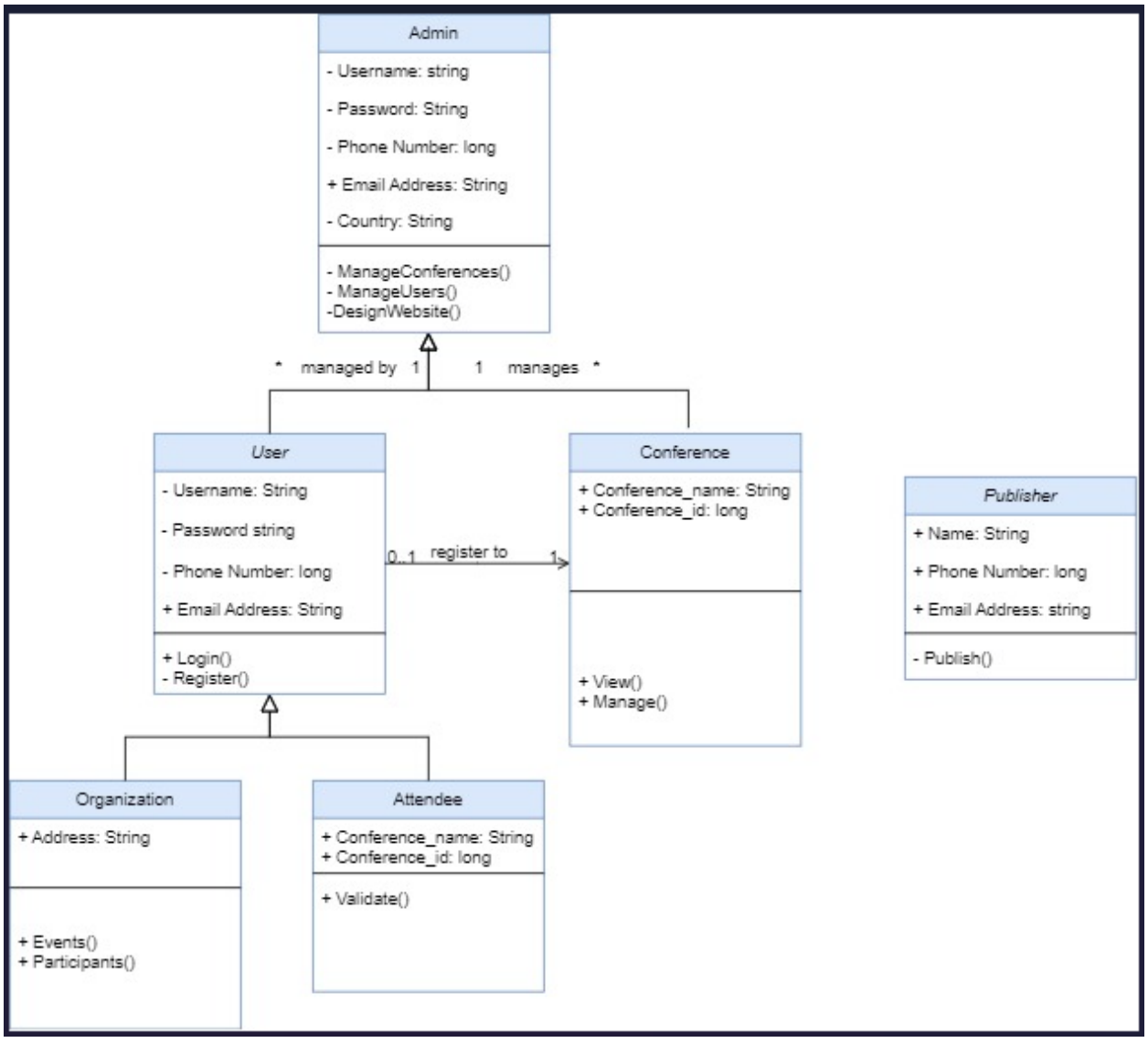
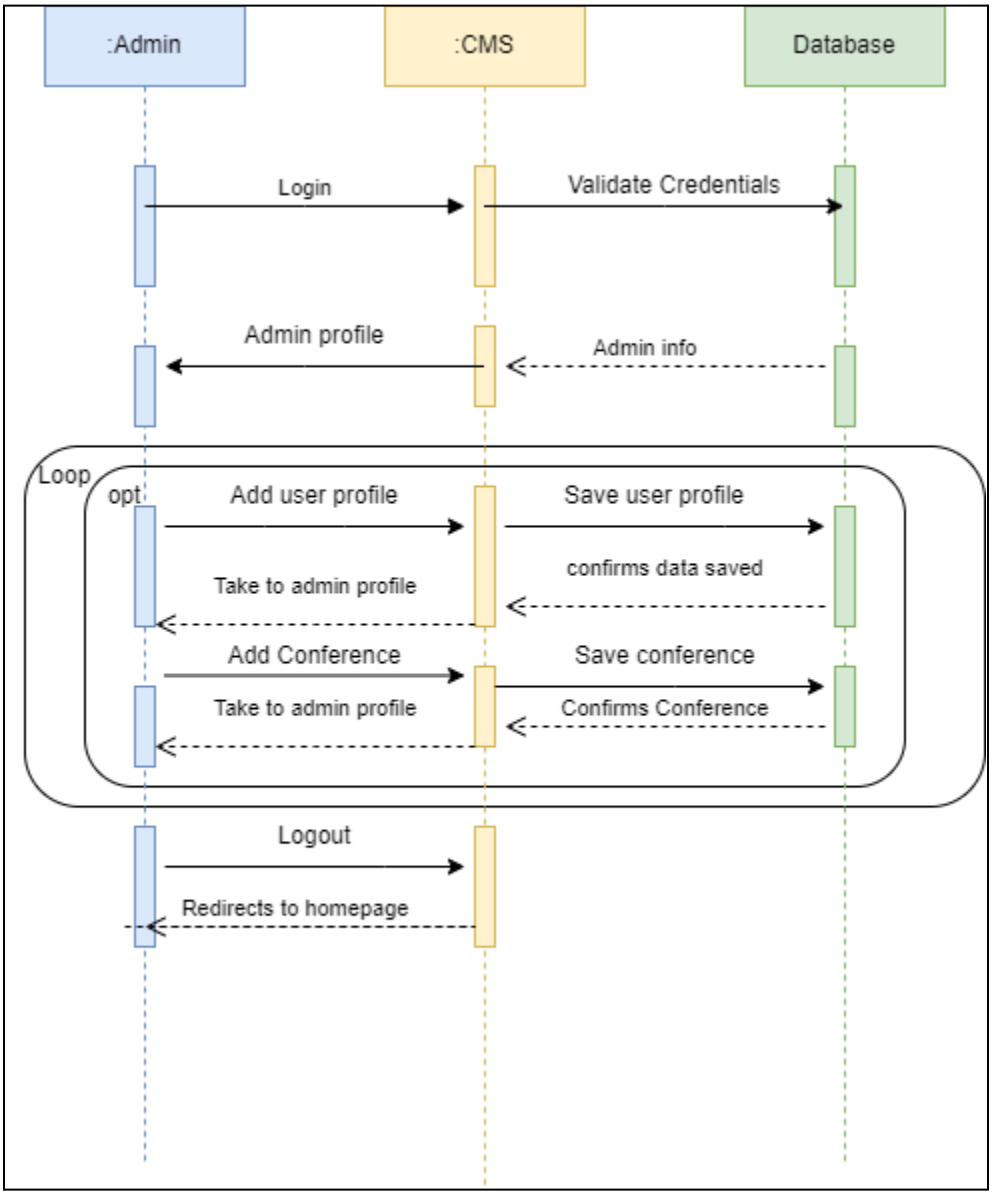
Use Case Diagram



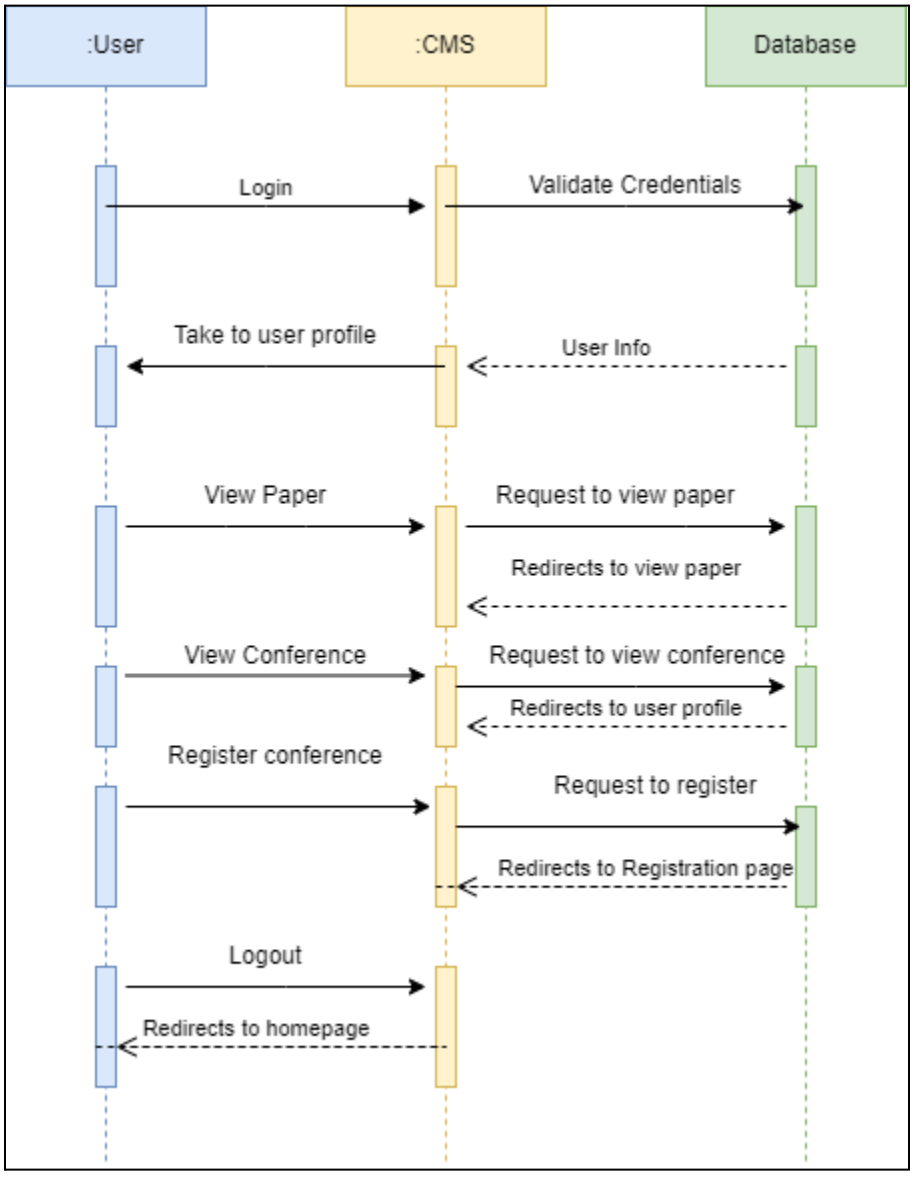
Class diagram



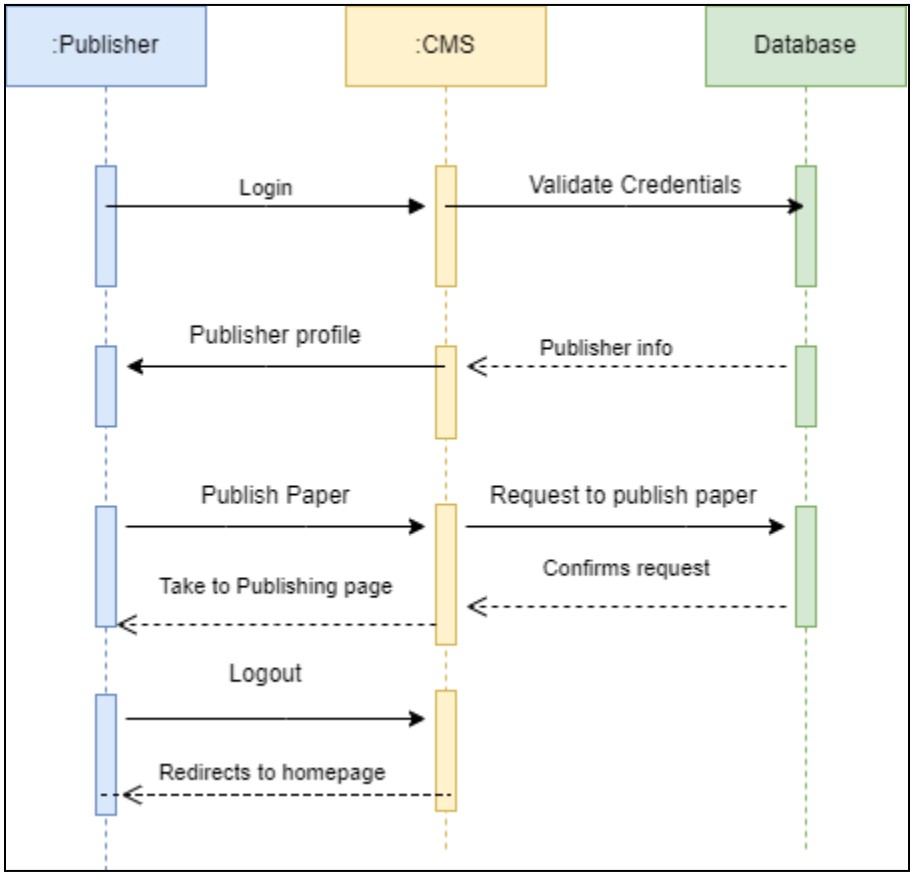
Sequence Diagram for Admin



Sequence Diagram For User



Sequence Diagram For Publisher



HIGH LEVEL SYSTEM DESIGN:

ARCHITECTURE:

This application will use a client-server architecture. We will use a 3 tier application architecture that consists of a user interface , Business logic layer and Data layer. The data layer stores information, the business logic layer handles logic, and the user interface consists of the front end.

- **User Interface:**

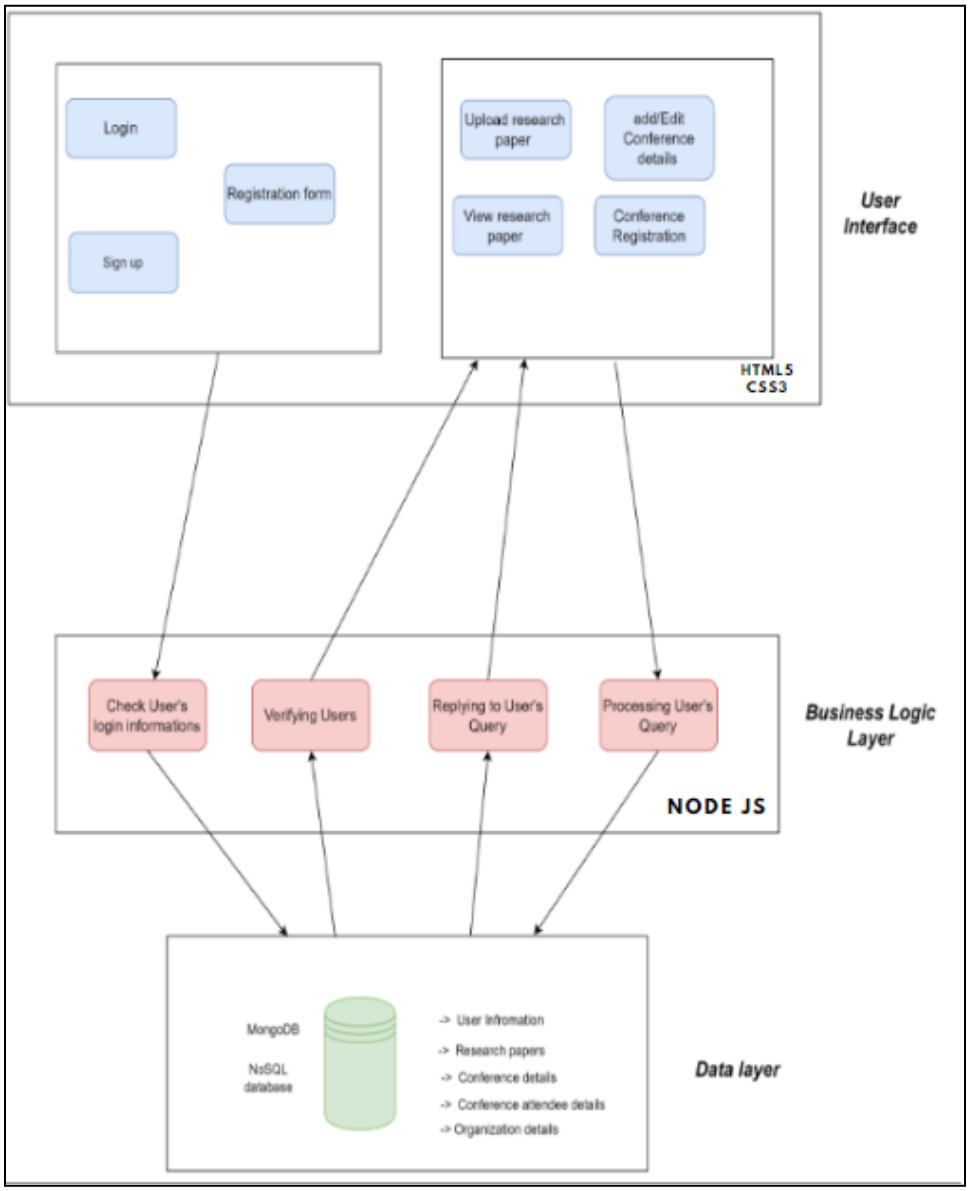
  This layer is distributed to a computing device using a web browser or a web-based application and is constructed with **HTML5** and **CSS3**. Application programme interface (API) calls are the primary communication between the user interface and other layers of the application.

- **Business logic layer:**

  This layer is implemented using **NodeJS** and contains the business logic that supports the application's core functions. This choice is because it allows the app to be used by many users and provides flexibility for future development.

- **Data layer:**

  The data layer, sometimes called database layer, data access layer or back-end, is where the information processed by the application is stored and managed. We will be using the **NoSQL Database(MongoDb)** for this layer.


Login
Registration form
Sign up
Upload research paper
add/Edit Conference details
View research paper
Conference Registration
HTML5
CSS3
User Interface
Check User's login informations
Verifying Users
Replying to User's Query
Processing User's Query
NODE JS
Business Logic Layer
MongoDB
NoSQL database
-> User Infromation
-> Research papers
-> Conference details
-> Conference attendee details
-> Organization details
Data layer

Burn Down Chart

Time		Tasks	
Week	Dates	Planned	Actual
1	9th Feb	1	1
2	23rd Feb	4	1
3	2nd March	3	2
4	2nd to 9th March	1	1
5	13th to 16th March	4	2
6	20th to 26th March	1	1
7	31st March	1	1
8	3rd to 6th April	7	6
9	10th April to 16th April	10	8
10	17th April to 23rd April	6	6
11	24th to 28th April	7	8