

# SOFTWARE ENGINEERING ASSIGNMENT

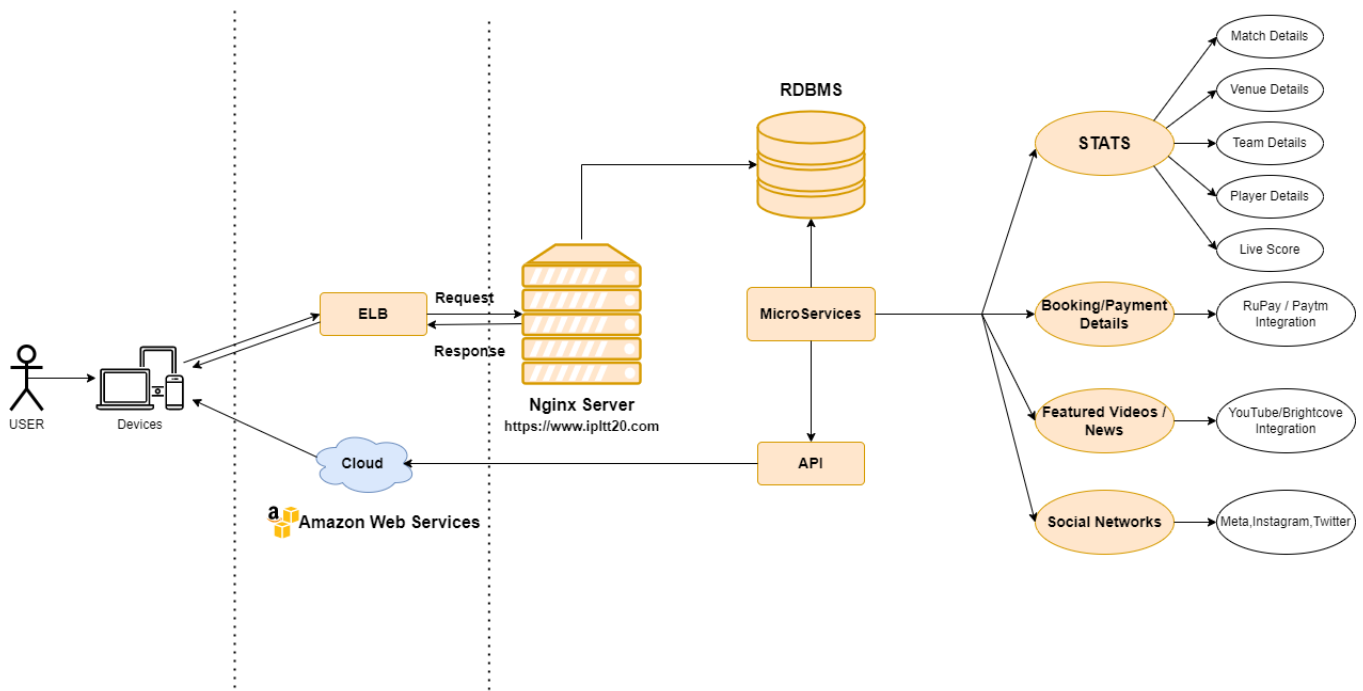
GROUP NUMBER – 7

## Team Details:

SL.NO	NAME	SRN
1	Nilkant	PES2UG20CS530
2	Pradhyumna	PES2UG20CS533
3	Shreepathi	PES2UG20CS553
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## Problem Statement 2:

You are required to curate the AWS architecture for an Indian Premier League management system, complete with a score predictor and attractive dashboard. Explain why that particular service has been used and draw a final flowchart with all the services you think are necessary.



- **Nginx server** for maximum performance and stability which also supports load balancing and media streaming.
- **AWS Cloud service** for Storage, AWS Computing services, Security services, Database services, Analytics, Desktop and app streaming.
- **Elastic Load Balancing(ELB)** automatically distributes your incoming traffic across multiple targets.
- **Microservices** includes integration with UPI, social networking sites, video streaming platforms etc

### **Problem statement 3:**

**Write the minispecs and draw the top level DFD, first level decomposition and second level composition for the MakeMyTrip website.**

#### **Minispecs :**

##### **1. Search**

- 1.1** User enters the source and destination of the trip.
- 1.2** If Unidentified place issue warning and return to step1.
- 1.3** If repeated 3 times terminate.

##### **2. Unavailability**

- 2.1** Users can search for their preferred categories like booking tickets for flights, hotels etc.
- 2.2** Results are displayed using the information in the database.
- 2.3** If booking unavailable issue log and return to step 2.

##### **3. Invalid booking details**

- 3.1** User enters details and selects the preferred mode of payment.
- 3.2** In case the payment is unsuccessful, then the user if prompted for the same.

**3.3** After the payment is successful, the user is notified with the details through mail.

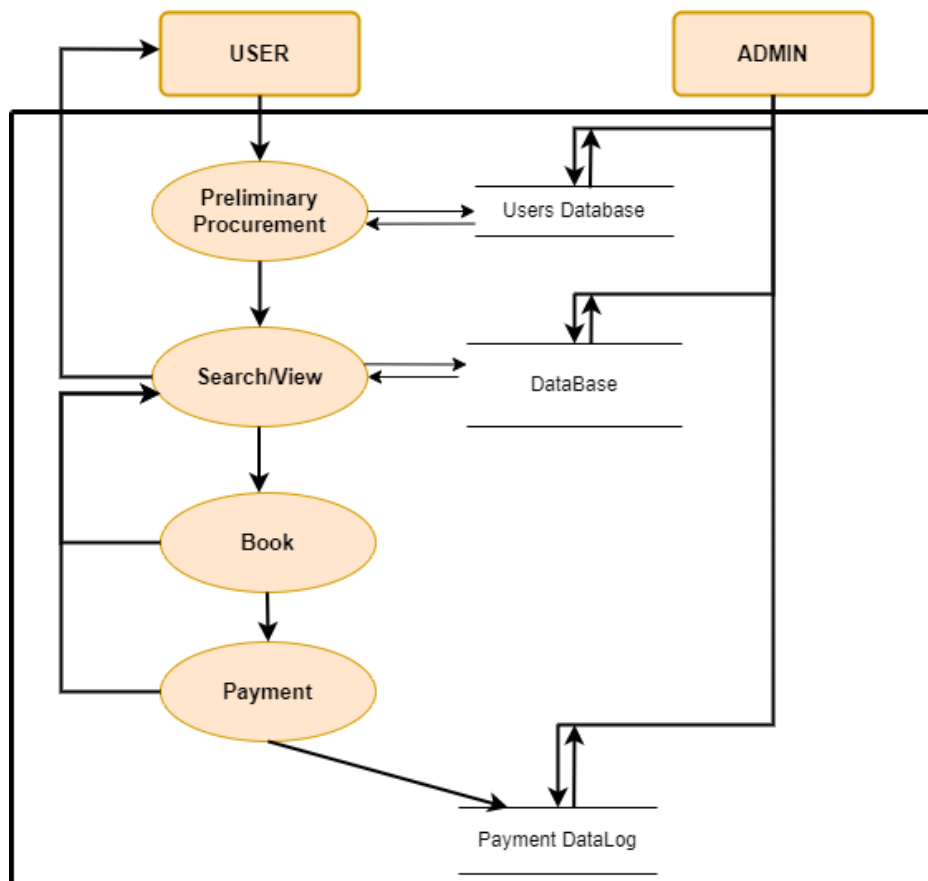
**3.4** If details like date, time are not specified issue error/warning and repeat to step 3

**3.5** If repeated 3 times terminate the transaction.

## Top Level DFD



## First Level DFD



## Second Level DFD

