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Digital ANFA

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**Student Name:** Pranaya Pradhan **Internal Supervisor:** Rohit Pandey

**London Met ID:** 17030952 **External Supervisor:** Shekhar Timsina

**College ID:** np01cp4a170020

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# Introduction

## Introduction to Topic

## Current Scenario

## Problem Domain

## Scope

## Aims and Objectives

### 1.5.1. Aims

The main aim of this project is to build a football statistics mobile application for the Football Association which displays the information about the Qatar Memorial A Division League organized by the FA where data are updated by the admin or the editor in website.

### 1.5.2. Objectives

The following are the objectives of the projects:

1. To develop a user-friendly and simple website and mobile application
2. To make a deep research on various sources such as books, journal, reports, the whitepaper, etc. in order to complete the project on time.
3. To develop mobile applications.
4. To fulfil all the requirement of the client.
5. To select and use proper tools for developing the project.
6. To handle the testing of the project.
7. To provide proper document and user documentation about the project to the client.

To develop an error-free mobile application and website

# Background

## Project Elaboration

## Terms/Definition

## System Architecture

The following diagram represents the system architecture of the project:

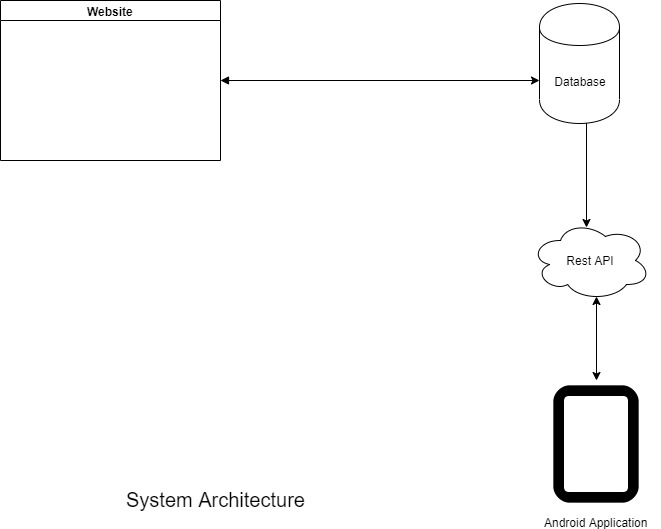


Figure 1 System Architecture of Digital ANFA

## Feature

### 2.4.1. For Web (Admin/Editor)

* Admin
* User
  + - Username
    - First Name
    - Last Name
    - Email
    - User Password
    - Actions:
      * Add the Editor
      * Update the Editor detail
      * Delete the Editor (if required)
* Admin and Editor
* News Feeds
* News Title
* News Type
* News Description
* News Image
* Date
* Actions:
  + Add the News
  + Update the News
  + Delete the News (if required)
* Club Detail
* Club Name
* Club Description
* Club Founded Date
* Club Address
* Club Email
* Club Division
* Club Affiliation
* Home Jersey Colour
* Away Jersey Colour
* Club Sponsor
* Kit Sponsor
* Club Logo
* Actions:

- Adds the Club details

- Update/Edit the Club details

- Delete the Club detail (if required)

* Player Detail
* First Name
* Last Name
* Date of Birth
* Place of Birth
* Gender
* Position
* Country
* Image
* Club Id
* Status (active/inactive)
* Actions:
  + Adds the Player details
  + Update/Edit the Players details
  + Delete the Player details (if required)
* Tournaments
  + - Tournament Id
    - Tournament Name
    - Tournament Type
    - Season
    - Title Sponsor
    - Organizers
    - Actions:
  + Adds the tournaments detail
  + Edit/Update the tournaments detail
  + Delete the tournaments detail
* Fixtures/Match
* Club 1
* Club 2
* Date
* Kick Off Time
* Venue
* Club 1 Score
* Club 2 Score
* Club 1 Result
* Club 2 Result
* Status (Played/Not Yet Played)
* Actions:
* Adds the match/fixtures detail
* Edit/Update the fixture detail
* Delete the fixture detail
* Statistics
* Highest Scorer
  + Player Id
  + Player First Name
  + Player Last Name
  + Club
  + Total Goals
* Red Card
  + Id
  + Player Name
  + Club
  + Total Cards
* Yellow Card
  + Id
  + Player Name
  + Club
  + Total Cards
* Clean Sheets
  + Id
  + Player Name
  + Club
  + Total Number of Clean Sheets
* Actions:
* Adds the Statistics detail
* Edit/Update the Statistics Detail
* Delete the Statistics Detail

### 2.4.2. For Mobile Application (User)

* News Feeds
* News Title
* News Description
* News Type
* News Image
* Date
* Actions:
  + Views the news feeds
* Club Detail
* Club Name
* Club Description
* Club Logo
* Club Address
* Club Email
* Club Telephone
* Club Affiliation
* Actions:

- Views the Club Detail

* Player Detail
* Player Name
* Date of Birth
* Place of Birth
* Position
* Jersey No
* Nationality
* Image
* Club Id
* Status (activate/deactivate)
* Actions:
  + Views the Player Detail

* Fixtures
* Club 1
* Club 2
* Date
* Time
* Venue
* Result
* Actions:
* Views the Fixtures
* Statistics
* Views Points Table
* Highest Scorer
  + Id
  + Player Name
  + Club
  + Total Goals
* Red Card
  + Id
  + Player Name
  + Club
  + Total Cards
* Yellow Card
  + Id
  + Player Name
  + Club
  + Total Cards
* Actions:
* Views the Statistics

## Wireframe

### 2.5.1. Wire Frame of Website

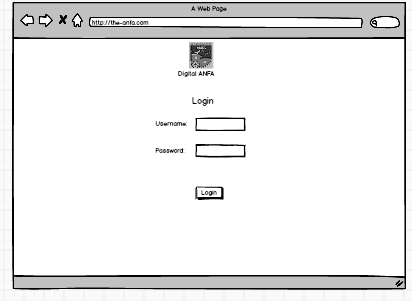


Figure 2 Login

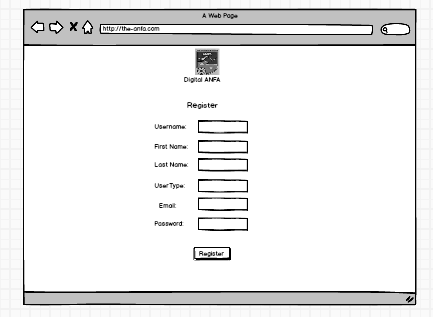


Figure 3 Register

### For Admin

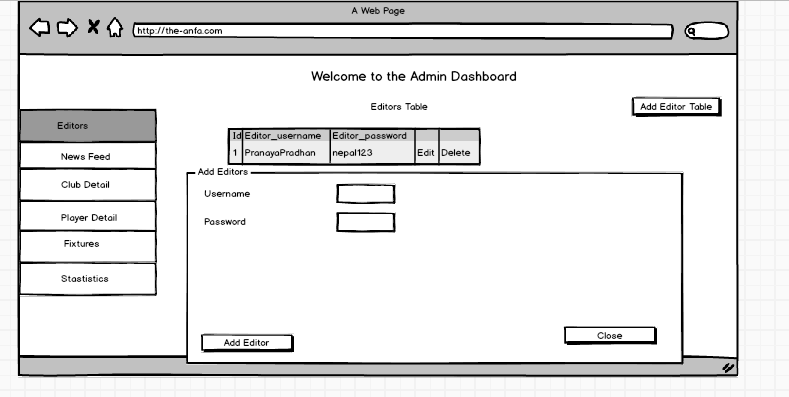


Figure 4 Admin Dashboard to Add Editors

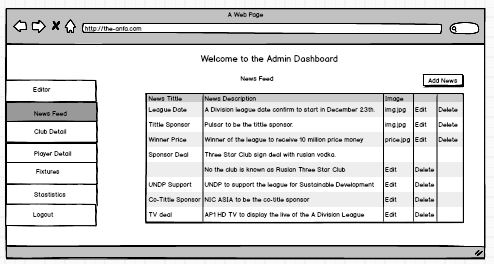


Figure 5 Admin Dashboard for News Feed

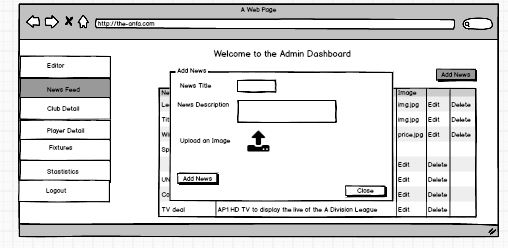


Figure 6 Admin Dashboard to Add News in News Table

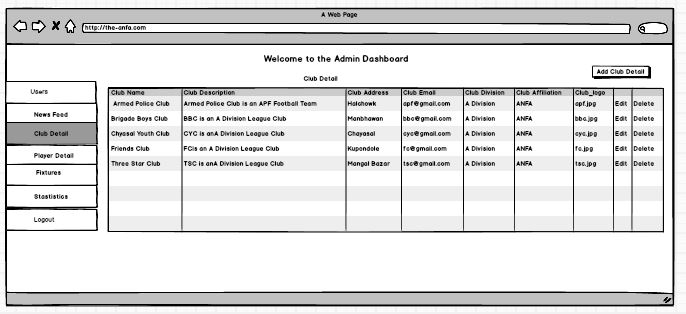


Figure 7 Admin Dashboard for Club Detail

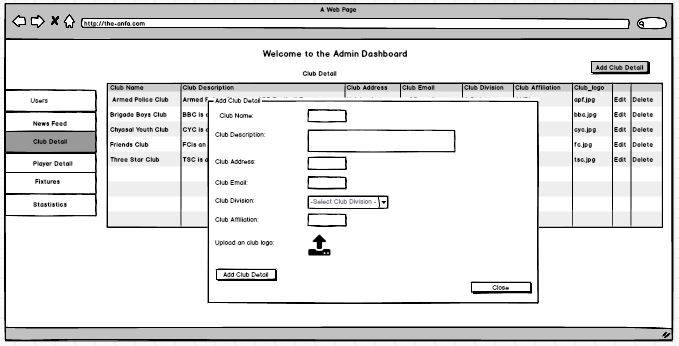


Figure 8 Admin Dashboard to Add Club Detail

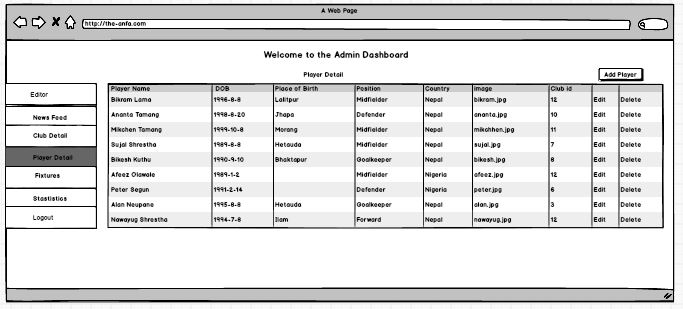


Figure 9 Admin Dashboard for Player Profile

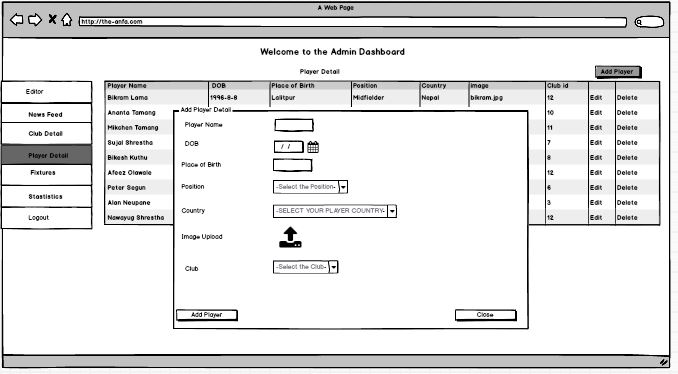


Figure 10 Admin Dashboard to Add Player Detail

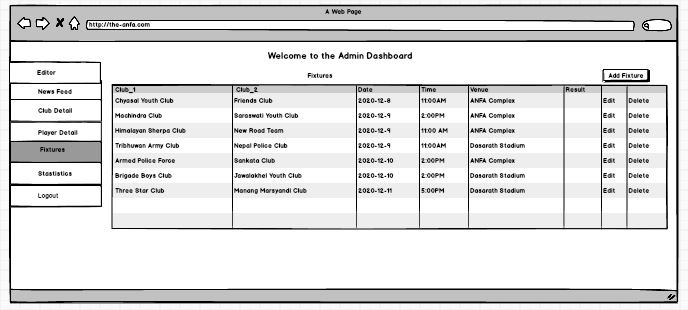


Figure 11 Admin Dashboard for Fixtures

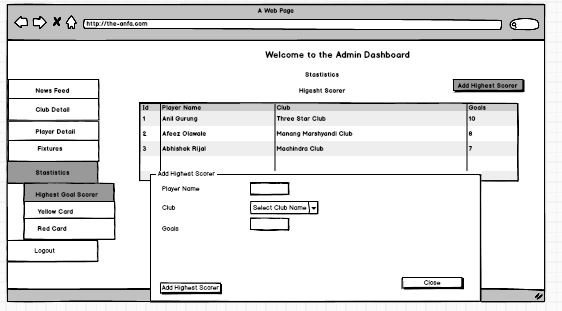


Figure 12 Admin Dashboard to Add Highest Scorer

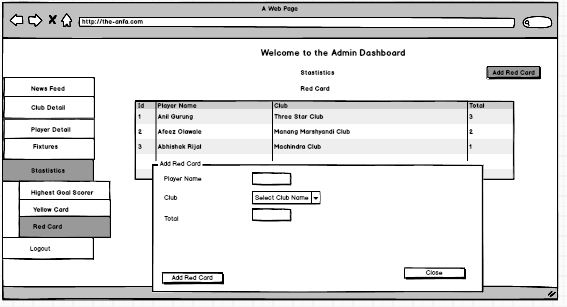


Figure 13 Admin Dashboard to Add Red Card

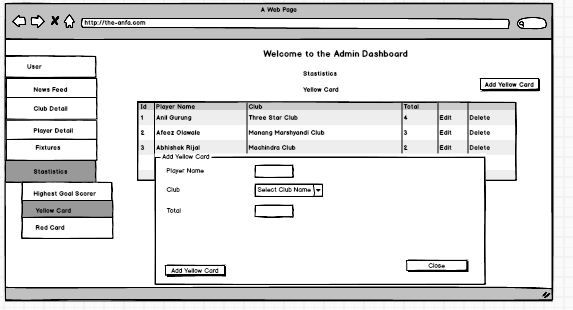


Figure 14 Admin Dashboard to Add Yellow Card

### For Editor

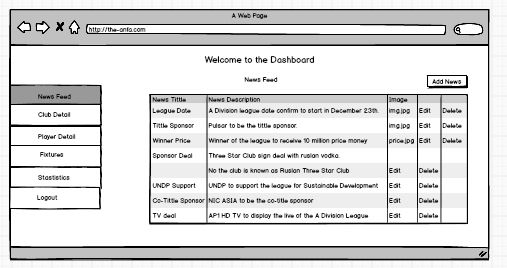


Figure 15 Editor Dashboard for News Feed

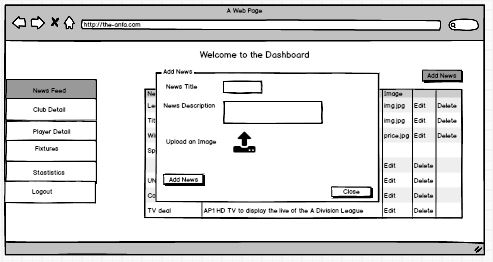


Figure 16 Editor Dashboard to Add News in News Feed Table

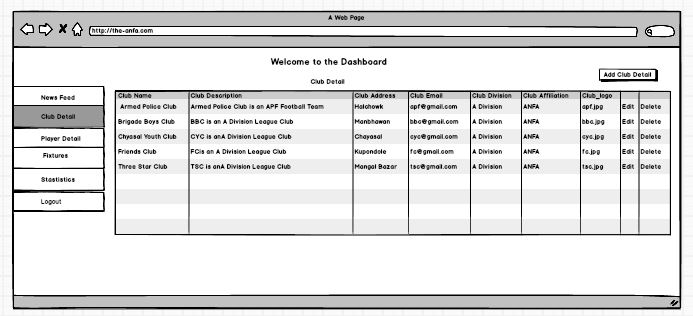


Figure 17 Editor Dashboard for Club Detail

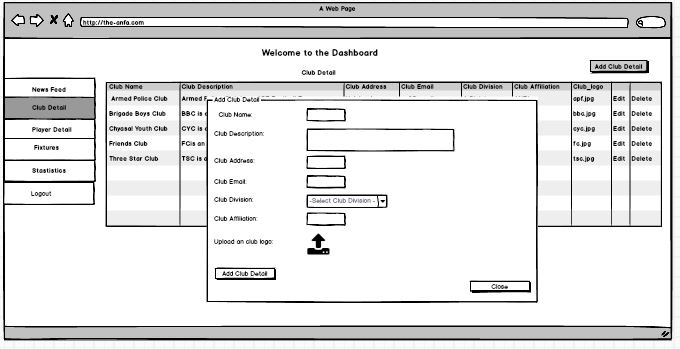


Figure 18 Editor Dashboard to Add Club Detail

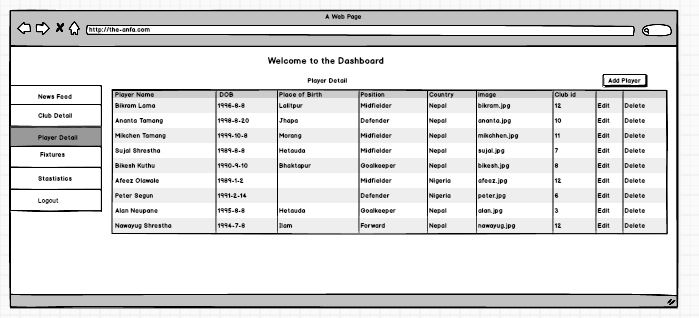


Figure 19 Editor Dashboard for Player Detail

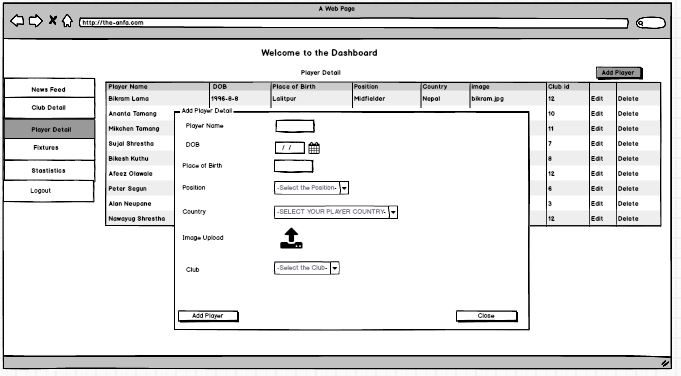


Figure 20 Editor Dashboard to add Player Detail

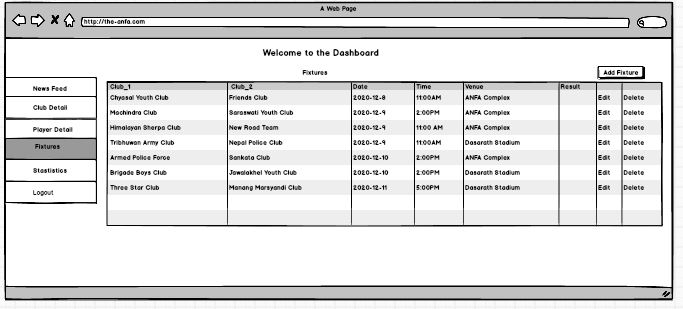


Figure 21 Editor Dashboard for Fixtures

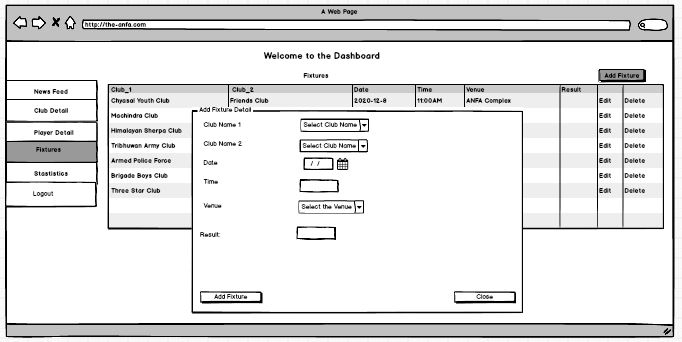


Figure 22 Editor Dashboard to Add Fixtures

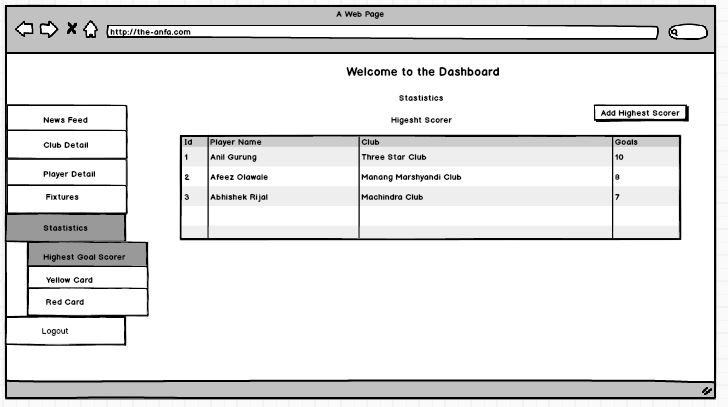


Figure 23 Editor Dashboard for Highest Scorer

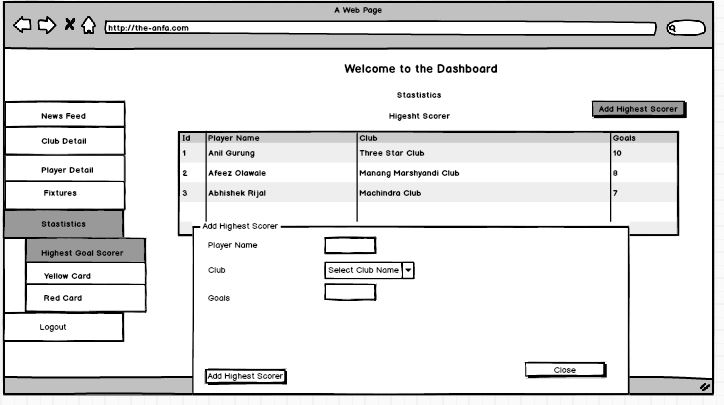


Figure 24 Editor Dashboard to Add Highest Scorer

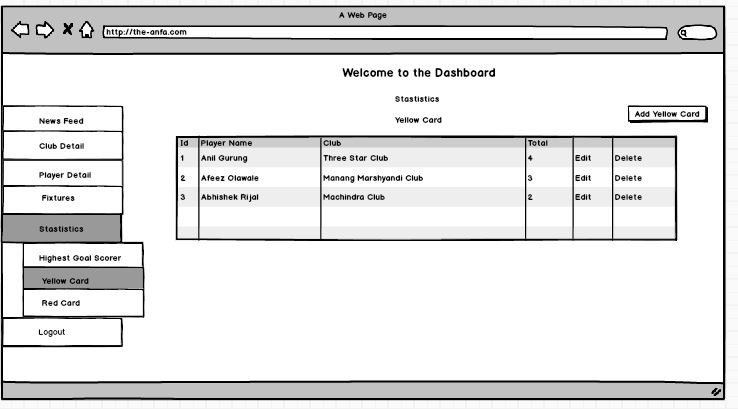


Figure 25 Editor Dashboard for Yellow Card

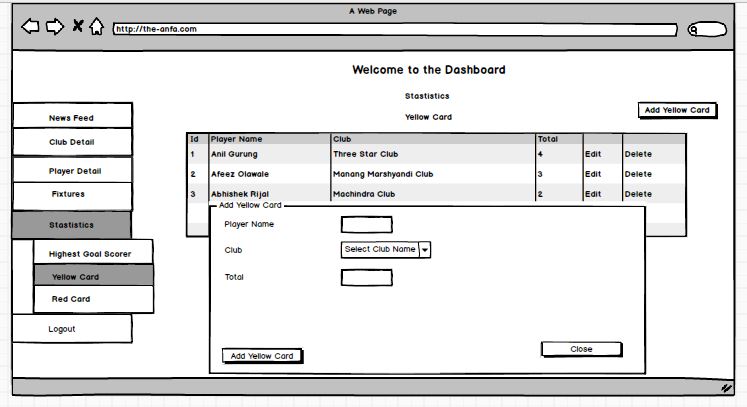


Figure 26 Editor Dashboard to Add Yellow Card

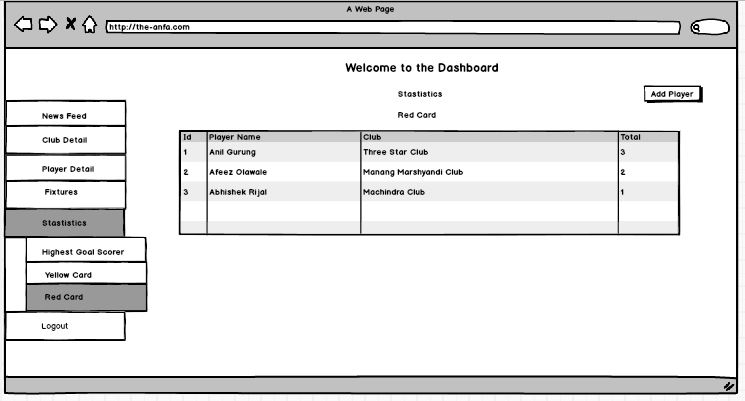


Figure 27 Editor Dashboard for Red Card

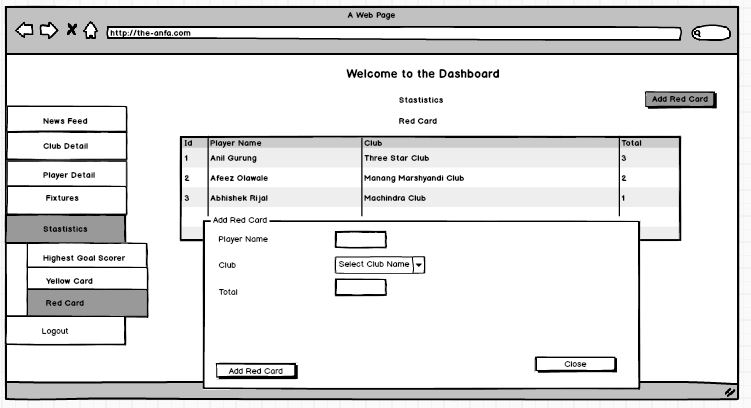


Figure 28 Editor Dashboard to Add Red Card

### 2**.5.2. Wire Frame of Mobile Application**

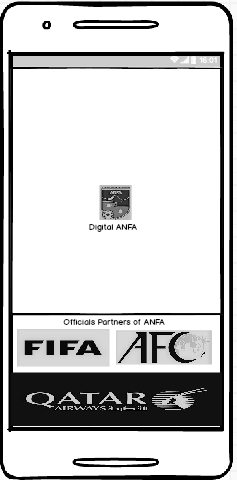


Figure 29 Splash Screen

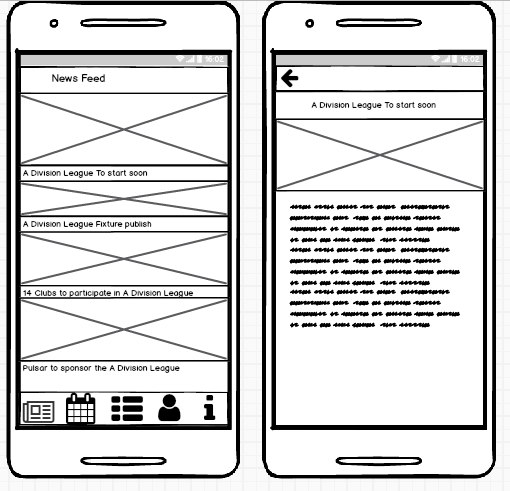


Figure 30 News Feed Section

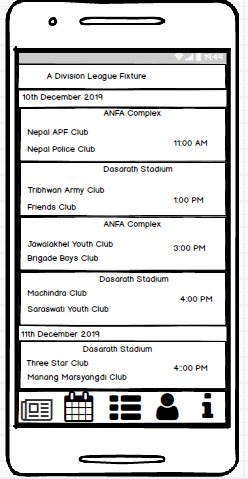


Figure 31 Fixture Section

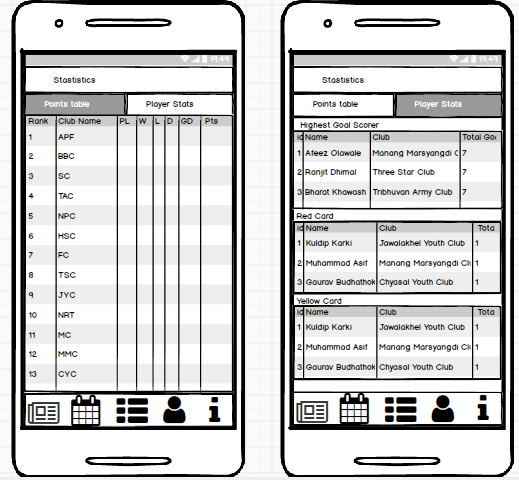


Figure 32 Statistics Section

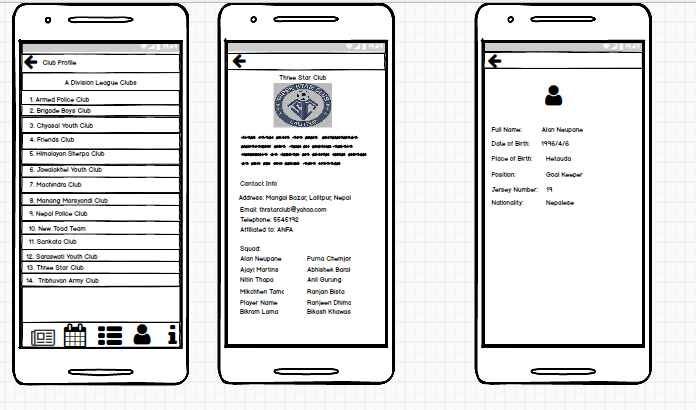


Figure 33 Profile Section

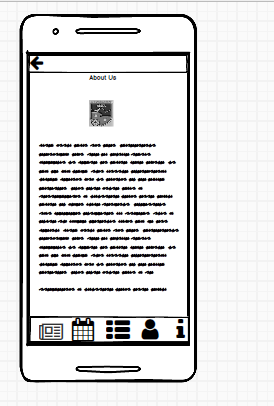


Figure 34 About Us Section

# Use Case of Each Feature



Figure 35 Overall Use Case

### For Web(Admin/Editor)

### Use Case of News Feed



Figure 36 Adds News



Figure 37 Edit News



Figure 38 Delete the News

|  |  |
| --- | --- |
| Name: | Keeps News in Feed |
| Actors: | Editor, Admin |
| Description: | The actors keep the news in the news feed section. He/she can add, edit and delete the news. |

Table 1 Keeps News in Feed

### Use Case of Fixtures



Figure 39 Add Fixtures



Figure 40 Edit the fixtures



Figure 41 Delete the Fixture

|  |  |
| --- | --- |
| Name: | Update the fixtures |
| Actors: | Editor, Admin |
| Description: | The actors have permission to update the fixture of the matches. |

Table 2 Update the Fixtures

### Use Case of Club Detail



Figure 42 Add Club Detail



Figure 43 Edit Club Detail



Figure 44 Delete Club Detail

|  |  |
| --- | --- |
| Name: | Upload Club Detail |
| Actors: | Editor, Admin |
| Description: | The actors have right to upload the club detail. Similarly, he/she can edit as well delete the detail if require. |

Table 3 Upload Club Detail

### Use Case of Player Detail



Figure 45 Use Case of Add Player Detail



Figure 42 Use Case of Edit Player Detail



Figure 46 Use Case of Delete Player Detail

|  |  |
| --- | --- |
| Name: | Upload Player Detail |
| Actors: | Editor, Admin |
| Description: | The actors have right to upload the player detail. Similarly, he/she can edit as well delete the detail if require. |

Table 4 Upload Player Detail

### Use Case of Statistics



Figure 47 Add Statistics



Figure 48 Edit Statistics



Figure 49 Delete Statistics

|  |  |
| --- | --- |
| Name: | Stores the Statistics |
| Actors: | Editor, Admin |
| Description: | The actors have an ability to record the statistics of the matches. |

Table 5 Stores the Statistics

### For Mobile (User)

### 3.2.6. Use Case of News Feed



Figure 50 Use Case of News Feed

|  |  |
| --- | --- |
| Name: | Reads the News in Feed |
| Actors: | User |
| Description: | The actors view the news tittle and images as well as can read the news. |

Table 6 Reads News in Feed

### 3.2.7. Use Case of Fixtures



Figure 51 Use Case of Fixtures

|  |  |
| --- | --- |
| Name: | Knows the Fixtures |
| Actors: | User |
| Description: | The actors can know the fixture of the match of tournament. |

Table 7 Knows the Fixtures

### 3.2.8. Use Case of Statistics



Table 8 Use Case of Views Statistics

|  |  |
| --- | --- |
| Name: | Views Statistics |
| Actors: | User |
| Description: | The actors have right to statistics of the match. |

Table 9 Table of Views Stastistics

### 3.2.9. Use Case of Club Profile



Figure 52 Use Case of Club Profile

|  |  |
| --- | --- |
| Name: | Gets Club and Player Detail |
| Actors: | User |
| Description: | The actors gets the detail of the clubs and players. |

Table 10 Table of Gets Club and Player Detail