

# CRICKET LEAGUE MANAGEMENT

CEGEP PREMIER LEAGUE



## TEAM – CEGEP PREMIER LEAGUE(CPL)

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CEGEP de la Gaspésie  
Internship

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# 1. Introduction

*CEGEP events are a big part of life. However acquiring sport information can be a tedious habit to maintain, since sport information is updated daily and members of CEGEP community (students and staff) might miss the updates if they do not check the sport events on daily basis*

*This project is aimed at members of the CEGEP community as well as campus visitors who take interest in cricket match. The application will post cricket news directly to the user via the CPL application..*

## 1.2 Project Description

*The main purpose of CPL Application (CEGEP Premier League ) is to create schedule for the matches and to display the scores of the matches in the users mobile device . The project will be developed on Android studio platform, mainly focusing on Android mobile development. Firebase will be used as the database for backend services. We are using GitHub to help coordinate the project in between the team members. Each sprint will last for two weeks, with weekly meetings and a demonstration with the stakeholders at the end of each sprint.*

## 2. Project Sprint Schedule

*The following production schedule will outline the project:*

SPRINT	DATES
0	May 4, 2020-May 17, 2020
1	May 18, 2020-May 31, 2020
2	June 1, 2020-June 14, 2020
3	June 15, 2020-June 28, 2020
4	June 29, 2020-July 12, 2020
5	July 13, 2020-July 26, 2020

**CPL (CEGEP premier League)** *The introduction to the Software Requirement Specification (SRS) document of your project should provide an overview of the complete SRS document. While writing this document please remember that this document should contain all the information needed by a software engineer to adequately design and implement the software product described by the requirements listed in this document*

## 3. Requirements

### 3.1 Functional Requirements

- **View Ongoing matches:** *The users will be able to view the scores of ongoing cricket matches. However, for the feature to work the device must be connected to the internet via mobile data or WIFI.*
- **Matchups:** *The users will be able to see the matchups of the upcoming cricket matches. Like the names of the players participating in the matches and when the matches are going to take place.*
- **Reviews:** *The users will be able to provide their thoughts about the game after the end of the match.*
- **Match making:** *The league managers and team managers will be able to modify the players list. However, the league manager will also be able to edit the team managers for specific teams.*
- **Manage the matches:** *The league managers will be able to manage the matchups i.e. the league manager is responsible for the match schedules.*
- **Manage Reviews:** *The league manager can view the reviews given by the users.*

### 3.2 Non-Functional Requirements

- **Performance Requirements:** *The load time for user interface will take no more than a few seconds. The match information is displayed within seconds.*
- **Design Constraints:** *The CEGEP premier league application shall be a stand-alone application running in an Android environment. The application shall be developed using Java and firebase database.*
- **Compliance:** *There shall be consistence in variable names in the system. The graphical user interface has a consistent look and feel.*
- **Portability:** *The CEGEP premier league application can run in any android environment.*

## 4. User Story

### 4.1-User Story

<b>User Story ID</b>	<b>CPL-1</b>
<b>Name</b>	AS A USER I WANT TO HAVE THE LOGIN PAGE
<b>Story Points</b>	2
<b>DESCRIPTION</b>	AS A USER I WANT TO HAVE A LOGIN PAGE - "LOGIN AS TEAM MANAGER "AND "LOGIN AS LEAGUE MANAGER".

### 4.2- User Story

<b>User Story ID</b>	<b>CPL-2</b>
<b>Name</b>	AS GUEST I CAN USE THE APPLICATION WITHOUT HAVING AN ACCOUNT.
<b>Story Points</b>	2
<b>DESCRIPTION</b>	AS GUEST I CAN USE THE APPLICATION WITHOUT SIGNUP.

### 4.3- User Story

<b>User Story ID</b>	<b>CPL-3</b>
<b>Name</b>	AS A USER I WANT TO ENJOY AN AESTHETICALLY PLEASING AND INTUITIVE USER INTERFACE DESIGN TO NAVIGATE THE APPLICATION.
<b>Story Points</b>	1
<b>DESCRIPTION</b>	AS A USER I WANT EASY AND ATTRACTIVE USER INTERFACE TO USE THE APP

#### 4.4- User Story

User Story ID	CPL-4
Name	AS A USER I WANT TO HAVE THE NAVIGATION DRAWER.
Story Points	1
DESCRIPTION	AS A USER I WANT TO HAVE THE NAVIGATION DRAWER TO EASILY SWITCH FROM PAGES

#### 4.5- User Story

User Story ID	CPL-5
Name	AS A LEAGUE MANAGER I CAN ACCESS ALL THE TEAMS.
Story Points	8
DESCRIPTION	AS A LEAGUE MANAGER I CAN UPDATE ALL THE TEAMS.

#### 4.6- User Story

User Story ID	CPL-6
Name	A LEAGUE MANAGER I CAN ADD AND DELETE TEAMS
Story Points	5
DESCRIPTION	AS A LEAGUE MANAGER I CAN ADD TO RECORDES THE NEW TEAMS AND DELETE THE OLD TEAMS.

#### 4.7- User Story

User Story ID	<b>CPL-7</b>
Name	AS A LEAGUE MANAGER I CAN CREATE THE VARIOUS SEASON OF MATCH.
Story Points	5
DESCRIPTION	AS A LEAGUE MANAGER I CAN CREATE THE VARIOUS SEASONS OF MATCHES FOR DIFFERENT TEAMS.

#### 4.8- User Story

User Story ID	<b>CPL-8</b>
Name	A LEAGUE MANAGER I CAN CREATE THE SCHEDULE FOR UPCOMING SEASON.
Story Points	8
DESCRIPTION	AS A LEAGUE MANAGER I CAN CREATE AND MANAGE THE SCHEDULES FOR THE VARIOUS SEASON MATCHE.

#### 4.9- User Story

User Story ID	<b>CPL-9</b>
Name	A LEAGUE MANAGER I CAN ENTER THE RESULTS OF MATCH AND MODIFY.
Story Points	3
DESCRIPTION	AS A LEAGUE MANAGER I CAN ENTER THE RESULTS OF MATCH AND ALSO MODIFY EVERYTIME THE SCORE CHANGES.



#### 4.10- User Story

User Story ID	<b>CPL-10</b>
Name	AS A TEAM MANAGER I CAN ACCESS MY TEAM INFORMATION AND UPDATE IT.
Story Points	8
DESCRIPTION	AS A TEAM MANAGER I CAN ACCESS THE TEAM INFORMATION AND UPDATE EVERYTIME.

#### 4.11- User Story

User Story ID	<b>CPL-11</b>
Name	AS A TEAM MANAGER I CAN ADD THE PLAYERS
Story Points	3
DESCRIPTION	AS A TEAM MANAGER I CAN ADD THE NEW PLAYERS.

#### 4.12- User Story

User Story ID	<b>CPL-12</b>
Name	AS A TEAM MANAGER I CAN REMOVE THE PLAYERS.
Story Points	3
DESCRIPTION	AS A TEAM MANAGER I CAN REMOVE THE OLD PLAYERS.

#### 4.13- User Story

User Story ID	<b>CPL-13</b>
Name	AS A GUEST I CAN VIEW ALL THE SCORES AND STATISTICS.
Story Points	2
DESCRIPTION	AS A GUEST I CAN SEE THE SCORES OF EVERY TEAM.

#### 4.14- User Story

User Story ID	<b>CPL-14</b>
Name	AS A USER I WANT TO ABLE TO TURN NOTIFICATIONS ON AND OFF IN MY SETTINGS SO THAT I CHOOSE THE NOTIFICATION TO BE RECEIVED OR NOT.
Story Points	5
DESCRIPTION	AS A USER I WANT HAVE THE NOTIFICATION SETTINGS IN APPLICATION.

#### 4.15- User Story

User Story ID	<b>CPL-15</b>
Name	AS A GUEST I CAN VIEW ALL THE TEAM CHART FOR CURRENT MATCHES.
Story Points	2
DESCRIPTION	AS A GUEST I CAN SEE THE ALL THE MATCH UPDATES THAT DISPLAYES THE TEAM CHART.

#### 4.16- User Story

User Story ID	<b>CPL-16</b>
Name	AS A GUEST I CAN SEE THE NAME OF PLAYERS IN EVERY TEAM AND THEIR ROLE.
Story Points	2
DESCRIPTION	AS A GUEST I CAN SEE THE NAMES OF PLAYERS PLAYING MATCH AND THEIR ROLE.

## 5. User Story Backlog

ID	NAME	USP
CPL-1	AS A USER I WANT TO HAVE THE LOGIN PAGE	2
CPL-2	AS GUEST I CAN USE THE APPLICATION WITHOUT HAVING AN ACCOUNT.	2
CPL-3	AS A USER I WANT TO ENJOY AN AESTHETICALLY PLEASING AND INTUITIVE USER INTERFACE DESIGN TO NAVIGATE THE APPLICATION.	1
CPL -4	AS A USER I WANT TO HAVE THE NAVIGATION DRAWER.	1
CPL -5	AS A LEAGUE MANAGER I CAN ACCESS ALL THE TEAMS.	8
CPL -6	A LEAGUE MANAGER I CAN ADD AND DELETE TEAMS	5
CPL -7	AS A LEAGUE MANAGER I CAN CREATE THE VARIOUS SEASON OF MATCH.	5
CPL -8	A LEAGUE MANAGER I CAN CREATE THE SCHEDULE FOR UPCOMING SEASON.	8
CPL -9	A LEAGUE MANAGER I CAN ENTER THE RESULTS OF MATCH AND MODIFY.	3
CPL -10	AS A TEAM MANAGER I CAN ACCESS MY TEAM INFORMATION AND UPDATE IT.	8
CPL -11	AS A TEAM MANAGER I CAN ADD THE PLAYERS	3
CPL -12	AS A TEAM MANAGER I CAN REMOVE THE PLAYERS.	3
CPL -13	AS A GUEST I CAN VIEW ALL THE SCORES AND STATISTICS.	2
CPL -14	AS A USER I WANT TO ABLE TO TURN NOTIFICATIONS ON AND OFF IN MY SETTINGS SO THAT I CHOOSE THE NOTIFICATION TO BE RECEIVED OR NOT.	5
CPL -15	AS A GUEST I CAN VIEW ALL THE TEAM CHART FOR CURRENT MATCHES.	2
CPL -16	AS A GUEST I CAN SEE THE NAME OF PLAYERS IN EVERY TEAM AND THEIR ROLE.	2
	TOTAL USP	60

## 6. User Interface

### PROTOTYPE-1

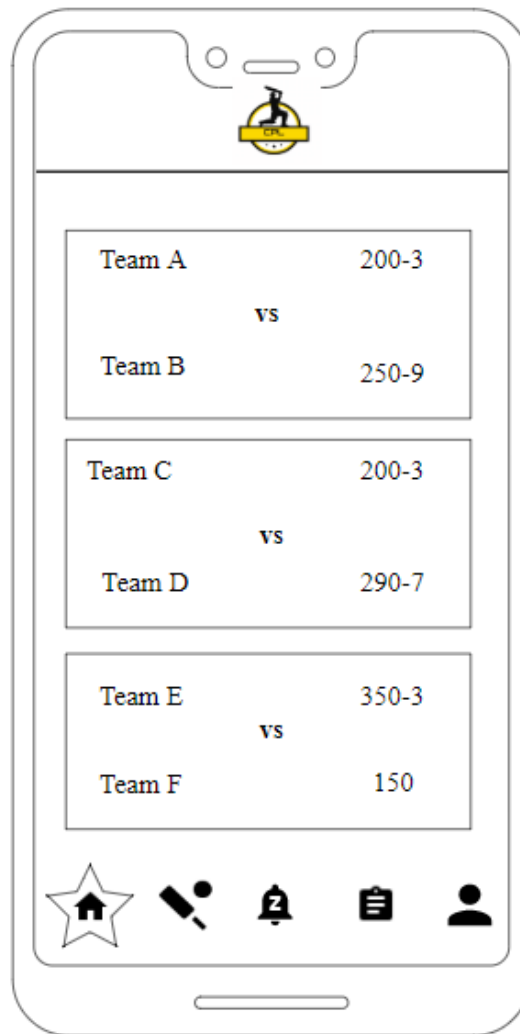


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#### P1 Splash Screen

Displays the splash screen

## PROTOTYPE-2



### P2 Guest Home Screen

Displays the guest home screen

## PROTOTYPE-3

Team A

Scores   Squads   Overs

Batsman	R	B	4s	6s	SR
HariHara	50	70	3	1	71
Vedanth	100	35	10	5	285
Akhil	50	70	3	1	71
Shiva	50	70	3	1	71

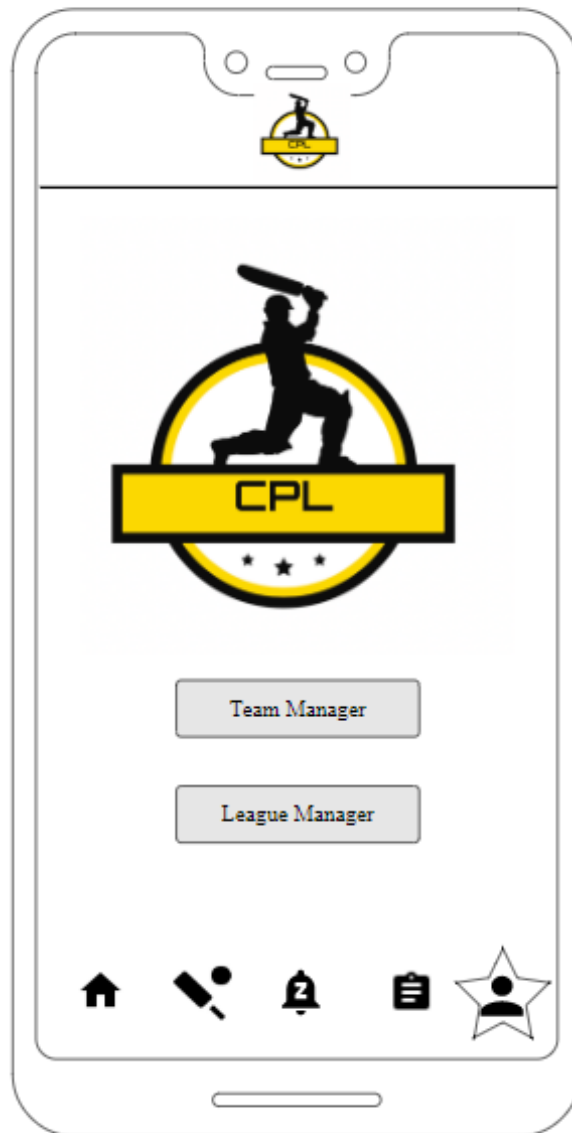
Bowler	O	M	R	W	ER
Kaur	10	0	350	0	35

Navigation icons: Home, Star, Notifications, Clipboard, Profile

### P3 Match-up Screen

Displays the Match-up screen where users can check scores, squad info and number of overs

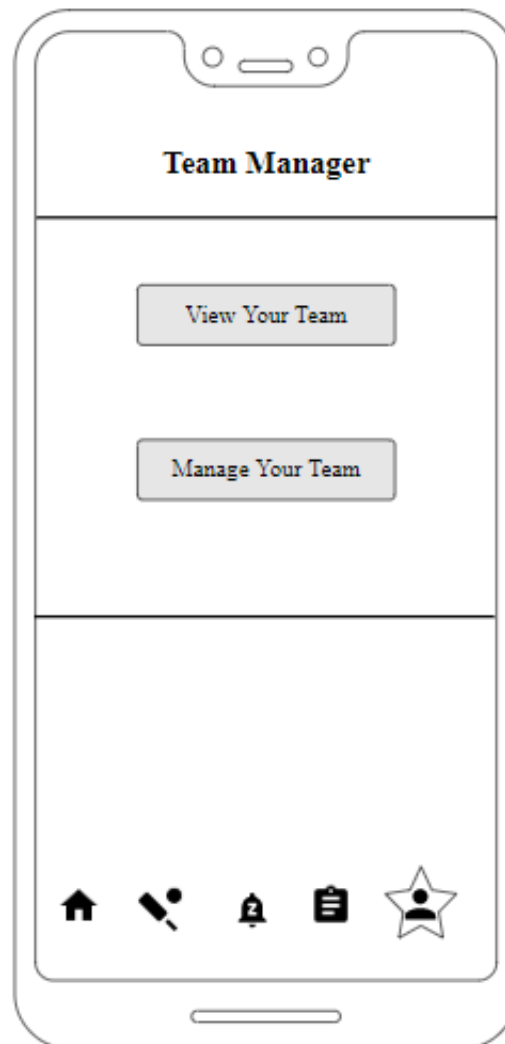
## PROTOTYPE-4



### P4 Manager Screen

Displays the staff login page

## PROTOTYPE-5

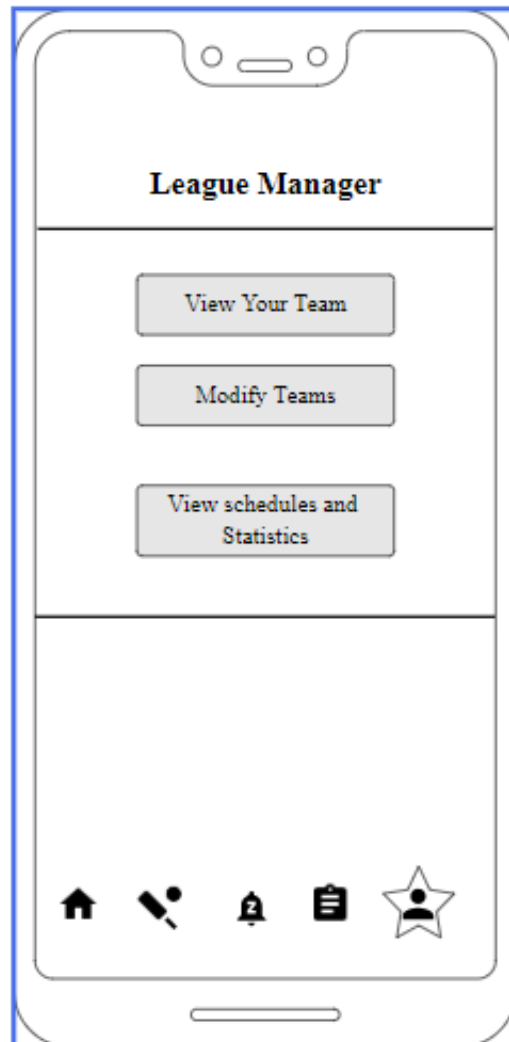


### P5 Team Manager Screen

Displays the Team manager page where the user can view or manage team



## PROTOTYPE-6



### P6 League Manager Screen

Displays the League manager page where the user can view or manage team

## PROTOTYPE-7



### P7 League Manager Screen

Displays the team page where the user can view team

## PROTOTYPE-8

Modify Teams	
Team Name	
Player Name	Role
Akhil	Batsman
Vedanth	All Rounder
Shiva	Leg spinner
Hari Hara	Bowler

ModifyTeam

Team Manager Account id: cpl6590876

### P8 Team Manager Modification Page

Displays the team page where the user can modify team information

## PROTOTYPE 9

Team Name	
Player Name	Role
Akhil	Batsman
Vedanth	All Rounder
Shiva	Leg spinner
Hari Hara	Bowler

Team Manager Name: Surya

Modify Team

League Manager      Account id: cpl6583663

### P9 League Manager Modification Page

Displays the team page where the user(League manager) can modify team including the team manager information