



# Group project

## App – MyCard

<Student Name & ID>

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### Idea:

As a group we came come with various ideas which were:

1. Cinema booking app – This app was about booking the cheapest tickets for the viewer and able to see the list of movies that are running on different cinema screens.
2. Proximity scanner – This app essentially would show the user deals and offers nearby to the user's device through notifications and in app advertisements.
3. Brunel Timetable – it's an app that would show students timetable and would be able to book appointments with their lectures if they need help.
4. Platform game – create a platform game like Mario that store highest score of the user and compete with other gamers
5. **Tournament creator – This app will serve different users as it has many different features within the single app. The app will arrange tournaments and track scorecards and statistics for games such as cricket, football and basketball. User should also be able to create their own scorecard game with their own rules.**

These are the apps ideas we came up with and the app that we have decide to make is the Tournament creator. The reason we have chosen to implement this idea is because as a group we agreed that this idea is plausible and realistic in terms of being able to create it within the time frame we have been given. Once we did further research into how this idea would work out and how we might try and implement it we felt that we can manage the workload once we split it amongst ourselves. On top of this the idea itself meets all the requirements that the assignment brief outlined for us. We have also began constructing base ideas on how we would program this app as well as the methodologies we may consider when implementing.

Work Package and assign to (broken into smaller task):

**1. Homepage – Together**

- a. Login
- b. Signup
- c. Menu

**2. Cricket – Pankaj and Ritik**

- a. Main page
- b. Input user data (e.g. teams names, players name and ect...)
- c. Fixtures
- d. Scorecard
- e. Points table
- f. End scorecard document (PDF or Txt)

**3. Football – Salim and Iqddes**

- a. Main page
- b. Input user data (e.g. teams name, players name and ect...)
- c. Fixtures
- d. Scorecard
- e. Points table
- f. End scorecard document (PDF or Txt)

**4. Basketball – Prem and Visnu**

- a. Main page
- b. Input user data (e.g. teams name, players name and ect...)
- c. Fixtures
- d. Scorecard
- e. Points table
- f. End scorecard document (PDF or Txt)

**5. Create your own game – Rithviik**

- a. Main page
- b. Team-based scorecard
  - i. Data input (how many players? What type of a game is it? (team based or individual) etc...)
  - ii. Fixtures
  - iii. Scorecard
  - iv. Points table
  - v. End scorecard document (PDF or Txt)
- c. 2 player scorecards
  - i. Data input (how many players? What type of a game is it? (team based or individual) etc...)
  - ii. Scorecard
  - iii. End scorecard Document (PDF or Txt)

**6. View by scorecard\* - Together**

- a. Main page

**7. History – together**

- a. Main Page (list of tournaments)
  - i. Tournament 1
    - 1. Log of data (Fixtures with the score, who won? Top player)

### Precedence diagram of task

Task number	Task description	Time for each task (in days)	Precedence
A	Homepage	1	-
A1	Signup	2	A
A2	Login	2	A, A1
A3	Menu	2	A2
B	<b>Cricket main page</b>	2	A2, A3
B1	Input user data	4	B
B2	Fixtures	3	B1
B3	Scorecard	2	B2
B4	Point table	1	B3
C	<b>Football main page</b>	2	A2, A3
C1	Input user data	4	C
C2	Fixtures	3	C1
C3	Scorecard	2	C2
C4	Point table	1	C3
D	<b>Basketball main page</b>	2	A2, A3
D1	Input user data	4	D
D2	Fixtures	3	D1
D3	Scorecard	2	D2
D4	Point table	1	D3
E	<b>Create users own game main page</b>	3	A2, A3
E1	Team based main page	2	E
E1a	Input user data	4	E1
E1b	Fixtures	2	E1a
E1c	Scorecard	2	E1b
E1d	Point table	1	E1c
E2	2 player game	2	E1
E2a	Input user data	4	E2
E2b	Scorecard	1	E2a
F	<b>View your scorecard</b>	3	B4, C4, D4, E1d, E2b
G	<b>History</b>	3	
G1	(Name of the tournament) page	4	B, C, D, E
G1a	Log of data	2	G1
Total days: 60 days			