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## **NBAPP Final Report**

### **External resources:**

CocoaPods:

- Firebase
- SwiftyJSON
- Kingfisher
- CLTypingLabel

APIS:

- API-NBA by Rapid API

### **User requirements:**

1. The user will be able to register and login into the app **(Completed)**
2. The user will be able to select a team **(Completed)**
3. The user will be able to view the selected teams logo, conference, and roster **(Completed)**
  - a. Player name, position, jersey number
4. The user will be able to view the selected teams weekly games, both past and upcoming **(Completed)**
  - a. If past, the user will be able to view the scores
  - b. If upcoming, the user will be able to view time of game
5. The user will be able to view standings of teams in both conferences **(Completed)**
  - a. Rank, name, wins, losses, percentage

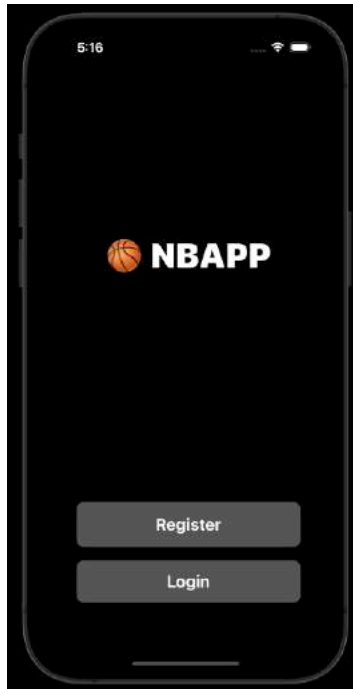
### **System requirements:**

1. The app will authenticate and store user data through firebase **(Completed)**
2. The app will retrieve nba data through the use of APIs **(Completed)**
3. The app will retain the selected team across the tab views **(Completed)**
4. The app will display the nba data accordingly **(Completed)**

## User manual:

### *Initial page*

Register and Login options

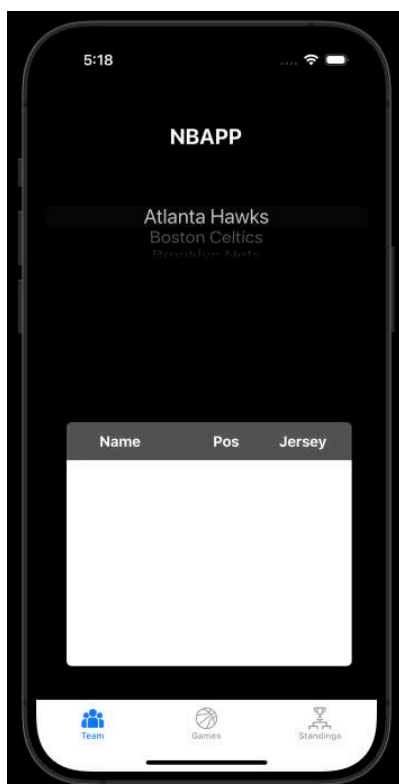


Login (register has similar display)

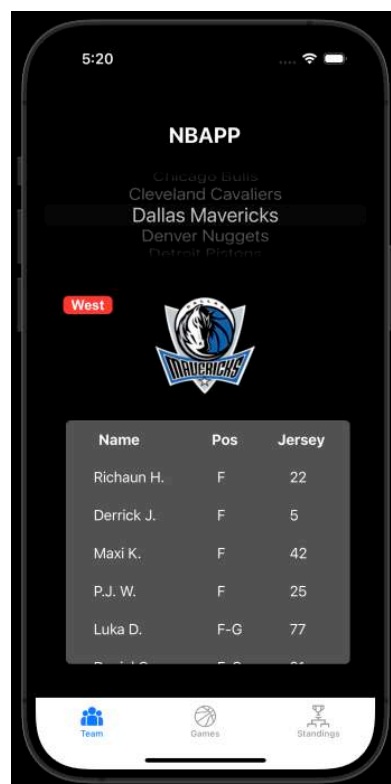


### *Team Tab*

Select a team

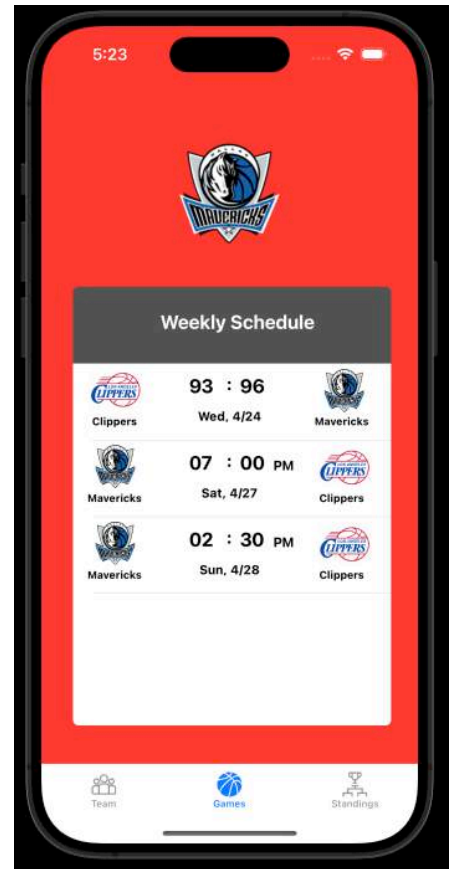


Team logo, conference, and roster displayed



### Games Tab

Games of the week for the selected team are displayed. The home team is on the left while the visiting team is on the right. If a game has taken place, the score is shown, else, the time of the upcoming game is displayed. Users are able to go back to the Team tab and select a different team in which this tab will update accordingly.

A screenshot of a mobile app interface for the Standings Tab. The background is orange. At the top, the word "West" is displayed. Below it is a table with 5 rows of Western Conference standings. Below that, the word "East" is displayed, followed by another table with 5 rows of Eastern Conference standings. At the bottom is a navigation bar with three icons: Team, Games, and Standings (selected).

Rank	Name	W	L	.pct
1	Thunder	56	25	0.691
2	Timberwolves	56	25	0.691
3	Nuggets	56	25	0.691
4	Clippers	51	30	0.630
5	Mavericks	50	31	0.617

Rank	Name	W	L	.pct
1	Celtics	63	18	0.778
2	Knicks	49	32	0.605
3	Bucks	49	32	0.605
4	Cavaliers	48	33	0.593
5	76ers	46	35	0.568

### Standings Tab

Standings for both the Western and Eastern Conference are displayed in real time. Users are able to scroll through the list.