

Raymond Kim
Dr. Kim
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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

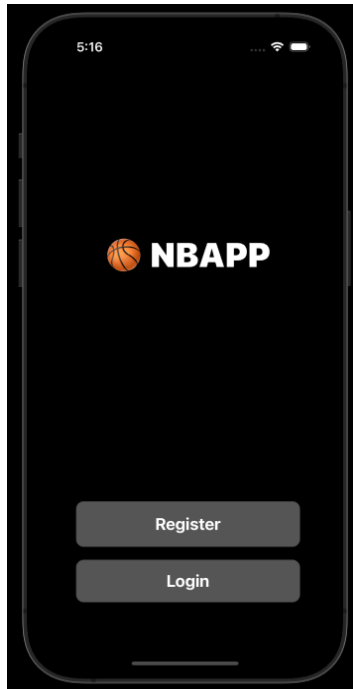
System requirements:

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

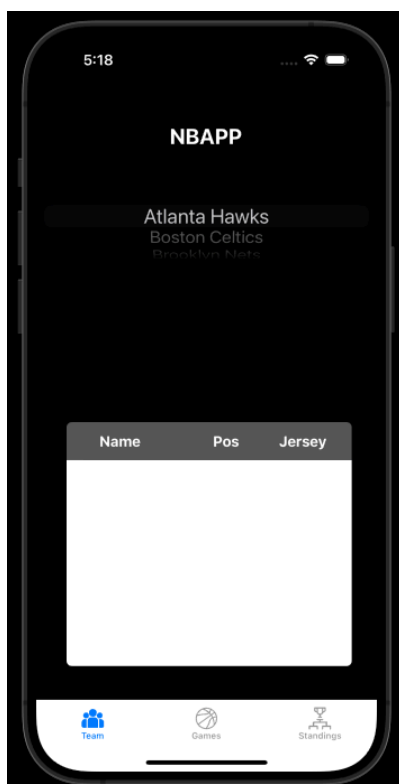


Login (register has similar display)

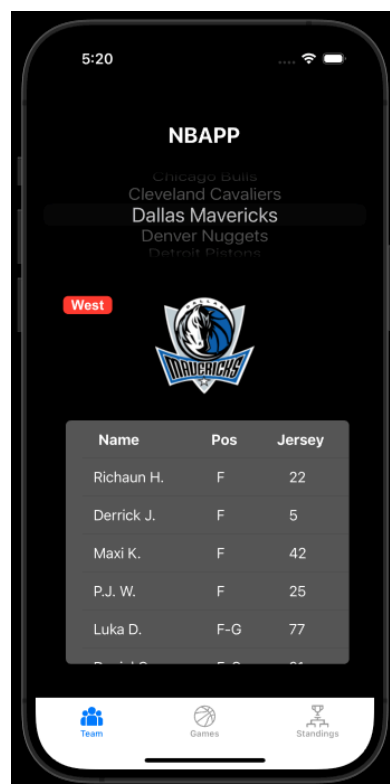


Team Tab

Select a team

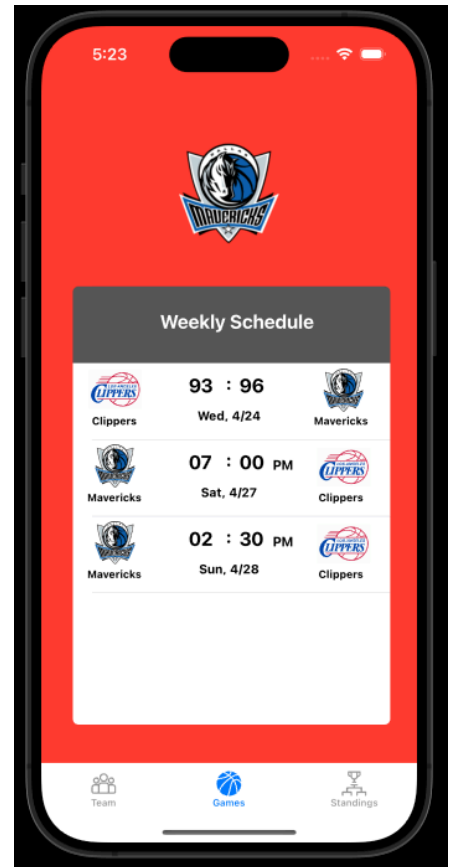


Team logo, conference, and roster displayed



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. It displays two tables: "West" and "East". Each table has columns for Rank, Name, W, L, and .pct. The bottom navigation bar shows icons for Team, Games, and Standings (selected).

West				
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

East				
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.