Mobile Engineer Take-Home Project

Objective

Write a mobile application in Flutter, Swift or Kotlin that demonstrates your ability to develop a native app from design-level requirements. The app will pull information from an MLB API and display a screen with game-specific details.

Design Reference

Use this provided InVision prototype as a reference to to build a two-screen, mobile application

Requirements

The screen should contain three sections:

1. Final score section
   a. Display team scores, names and logos
2. Linescore section
   a. Using linescore endpoint, display runs scored by inning for each team as well as total hits and errors per team
3. Team/Player Game Stats Section
   a. Toggle per team for additional batter and pitcher game stats
   b. Using batter and pitcher playerIDs from batters-and-pitcher-in-game endpoint ("batters" and "pitchers" arrays under each team), display player specific stats from the player-game-stats endpoint
   c. Batter stats (group: "hitting" in API response) to display:
      i. atBats (AB), runs (R), hits (H), rbi (RBI)
   d. Pitcher stats (group: "pitching" in API response) to display:
      i. inningsPitched (IP), hits (H), runs (r), strikeOuts (K)

Submission

Upload to github with detailed readme that includes getting started instructions.

Links

1. **Prototype** - https://projects.invisionapp.com/share/6WUQ90ZR3G4#/screens/392305865
2. **Schedule endpoint** - https://statsapi.mlb.com/api/v1/schedule/?sportId=1&date=09/29/2019
3. **Gamescore endpoint** - https://statsapi.mlb.com/api/v1.1/game/<gameID>/feed/live?fields=liveData,linescore,teams,away,home,runs
4. **Linescore endpoint** - https://statsapi.mlb.com/api/v1/game/<gameID>/linescore
5. **Batters-and-pitchers-in-game endpoint** - https://statsapi.mlb.com/api/v1.1/game/<gameID>/feed/live?fields=liveData,boxscore,teams,id,batters,pitchers,battingOrder
6. **Player-game-stats endpoint** - https://statsapi.mlb.com/api/v1/game/<gameID>/boxscore?fields=teams,record,wins,losses,players,fullName,position,name,type,abbreviation,stats,batting,doubles,triples,homeRuns,strikeOuts,fielding,assists,errors,putOuts,pitching,runs,atBats,hits,rbi,inningsPitched,strikeOuts
7. Team Logos
8. Player Images - replace with correct player ID for player's image