PocketSports: A Digital Coaching App

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Overall Project

List of Requirements

- **Host on www domain**
- Main Marketing Page (Landing Page)
  - A login button that takes you to a login screen
    - Create account
      - Name (First, last)
      - Email
      - Organization
      - Main Page
        - *Create Team*
          - Choose sport
            - Lacrosse
            - Basketball
            - Volleyball
            - Add more if we have time
          - Becomes Owner
          - Can invite people to the team
            - Need their emails
            - Adds as a player
              - The owner can manage roles as necessary
        - *Join Team*
          - Enter unique team code
          - Added to the roster as a player
            - The owner can manage roles as necessary

- - - ○ *View Team*
      - ■ Current teams are shown, and the user can click on a team to view team information (Goes to inside User App View)
  - ● User account info is sent and stored in a database
    - ■ Sign in
      - ● Email
      - ● password
    - ■ Forgot Password link
      - ● Enter email address
        - ○ Password reset is sent if an account with the address exists
  - ○ Features Tab explaining different functionalities
  - ○ Our Motivation
    - ■ Goes to Chan's Site

- ● Inside User Application view
  - ○ All users
    - ■ *Calander*
      - ● Can see if there is a plan for a particular day
      - ● Can click on the plan and view it
  - ○ Owner
    - ■ *Manage team*
      - ● Change roles
      - ● Remove players
      - ● Add members
  - ○ Owner/Coach
    - ■ *Create Drills/Plays*
      - ● Can view
      - ● Create button
        - ○ Chooses from one of many field views
          - ■ Animated drills/plays
          - ■ Add a tag with drills (shooting, footwork, etc…)
            - ● Can add more than 1
          - ■ Add possible stats to keep track of
        - ○ Saves it to a drill bank (database?)
    - ■ *Create Practice Plan*
      - ● Pull from a drill bank (database?)
      - ● Attach media/photos
      - ● It contains a graphic report (Pie Graph?)
        - ○ Minutes

- - - ○ Practices
      - ○ Drill Count
      - ○ Drill type
    - ● Export to pdf, jpeg, png
    - ● Save, edit, and load practice plans
      - ○ Create our own file type or find an existing one that will work
        - ■ Csv?
        - ■ JSON?
        - ■ YAML?
  - ■ *Execute Practice Plan*
    - ● The coach selects "start practice."
    - ● The practice timer starts; the first drill timer also starts to time the duration.
    - ● Can jump to "next drill" or skip around for a flexible practice
    - ● The start and end times of the drills are saved/recorded (keeps track of time on each drill)
    - ● Add individualized/team stats in real time
  - ■ *Year Planner*
    - ● Allocate points to each of the created tags for practice focus
    - ● Shows graphic if those goals are being met consistently
      - ○ Ex: We want Passing at 100% efficiency, but currently is at 75% due to not doing passing drills recently in practice
      - ○ We need to come up with a way to calculate that
    - ● Track progress for team goals
      - ○ Ex: Basketball- Score more than 1,000 points this season
  - ■ *Player Goal tracker*
    - ● Enter goals for players based on metrics.
    - ● Shows graphical progress
    - ● Ex: We want a certain player's squat to increase to 315, and it's currently 275
  - ■ Can send the practice plan to players or parents (email, notification, etc.)
  - ■ The coach can restrict parents from viewing things
- ○ Player/Parent
  - ■ View practice plan
  - ■ View drills in the practice plan with media
  - ■ View terms and concepts

List of Enhancements

- AI/ML recommendations
  - Drills, specific player's performance, and team's shortcomings