PocketSports
A Digital Coaching App

Progress Evaluation
Milestone 2

Team Members:

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Faculty Advisor:

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Client:

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10/28/2024

1. Progress of current Milestone (progress matrix)

Task	Completion %	Garrett	Tyler	Taylor	Parker	To do
Have a valid, working login with a simple user interface	90%	0%	0%	0%	100%	Fix a few login bugs
Login integration into database using MongoDB:	100%	0%	0%	0%	100%	
Create a landing page for the software	90%	0%	0%	100%	0%	Add a demo of how to use PockeSports when project is complete
Have a valid, working registration with a simple user interface	90%	15%	45%	40%	0%	Fix a few registration bugs
Create a database to create and store registration information using MongoDB	100%	0%	100%	0%	0%	
Secure the passwords in the database	100%	100%	0%	0%	0%	

2. Discussion of each accomplished task (and obstacles) for the current Milestone (at least a few sentences, ie a paragraph)

2.1 Have a valid, working login with a simple user interface

The login for the user interface for players, coaches, parents, and owners is now complete. The login uses Javascript with React as a frontend for the login once registration is complete. The app uses Axios for the routing and the React libraries like React Router DOM and React Bootstrap to achieve the design of the interface.

2.2 Login integration into database using MongoDB:

The login and registration implement Mongoose, which is a Object Data Modeling (ODM) library used in code to connect and interface with MongoDB databases. This is used to fetch the credentials when it's time to login. The app utilizes bcrypt for the encryption of the passwords as they are placed in the database. The passwords are hashed, placed in the database, then decrypted once retrieved.

2.3 Create a landing page for the software

The landing page for the software is designed to show the app's key features and communicate its purpose clearly. It highlights the benefits available to coaches and players upon registration, offering a quick overview of the app's main abilities. Additionally, the landing page serves as a way for users to log in or sign up, providing an easy way to the app for those interested in registering.

2.4 Have a valid, working registration with a simple user interface

The registration page can be accessed through the landing page and guides the user to input the necessary information to add to the registration database. It includes the user entering their first name, last name, email, and password. When the user hits the "Register" button, then the information will be sent to the database where it will be stored and secured.

2.5 Create a database to create and store registration information using MongoDB

A mongoDB database was created using a register model to be able to store certain fields such as email and password. When users choose to register an account, all of the fields filled out on the ui gets populated onto the database. MongoDB will have a registers collection when it holds user registration information

2.6 Secure the passwords in the database

Using javascripts bcrypt library, passwords are hashed into the database for safekeeping. Others cannot tell what the passwords are based on looking at the

hash. The hashes are checked with the inputted password hash during login to allow a user to access his or her account.

3. Discussion of contribution of each team member to the current Milestone

3.1 Garrett Gmeiner

On this milestone, I focused on smaller, yet essential things for our project. I encrypted the passwords in the database using javascripts bcrypt library to ensure that other users and ourselves were unable to access the accounts of the users. Additionally, I reworked the register page to include a first and last name for each user. This is important for the rosters in later milestones. I also changed the password requirements to 8 characters minimum and at least 1 uppercase letter, lowercase letter, number, and special character. I am still testing, debugging, and creating new tickets every day as issues arise.

3.2 Tyler Ton

On this milestone I mainly focused on building a registration feature/page that populated information onto the database correctly. I created a simple registration page with certain fields like name, email, and account password. The styling was done by another team member. In addition, I handled all of the initial backend database creation, where it was connected through localhost for ease of testing. Finally, the last task I handled was the registration confirmation that alerted users to a successful account registration.

3.3 Taylor Carlson

For this milestone, I focused primarily on the front-end development of the project. I started by building the landing page for PocketSports, where I described the goals of the app and covered the main sports that are included. I also outlined the main features available to coaches and players, and I plan to include a demo of the app once it's fully developed. Additionally, the landing page provides users with access to the login and registration, guiding them to the corresponding pages. I also worked on the registration page, aiming to create a clean and easy-to-use layout for a smooth user experience.

3.4 Parker Cummings

For this milestone, my key responsibilities were the login page UI as well as the connection to the MongoDB backend. I created the initial page for the login containing fields for user email and password. I then implemented Axios and Mongoose to connect to the instance of MongoDB to perform credential checks for the users. The app takes in POST requests at the '/login' endpoint and checks the credentials before returning the validity to the user and logging them in. I also had to create a confirmation pop-up window once the user was logged in, as our advisor stated it helps user experience. My responsibilities also included debugging the login page.

4. Plan for the next Milestone (task matrix)

Task	Garrett Gmeiner	Tyler Ton	Taylor Carlson	Parker Cummings
Create the main page after logging into an account	30%	15%	30%	15%
Create a team functionality	30%	30%	15%	15%
Join a team functionality (Email invite from coach and/or enter teams join ID code)	10%	20%	20%	50%
Be able to view everyone on a roster for a team and his/her role	40%	20%	20%	20%
Be able to switch back and forth between multiple teams	10%	20%	20%	50%

5. Discussion of each planned task for the next Milestone

5.1 Create the main page after logging into an account

We want a main page for the user after he or she logs in. This should show the teams they are currently a part of and it should have a text box to enter a team code to join a team.

5.2 Create a team functionality

A user should be able to create a team and be the owner/coach of that team

5.3 Join a team functionality (Email invite from coach and/or enter teams join ID code)

A user should be able to invite other team members to his owned team (other coaches, players, and parents). A user should also be able to enter the team invite ID and join the team that way.

5.4 Be able to view everyone on a roster for a team and his/her role

When part of a team, a roster page should be available to view for every member of the team

5.5 Be able to switch back and forth between multiple teams

A user should be able to switch back and forth between his or her teams from the main page dashboard.

6. Date(s) of meeting(s) with Client during the current milestone

Meeting 1: 10/24/2024 11am

7. Client feedback on the current milestone

Looks good, maybe less text on the main page and add an about section that takes you to an about section.

8. Date(s) of meeting(s) with Faculty Advisor during the current milestone

Meeting 1: 10/21/24
Meeting 2: 10/23/24

9. Faculty Advisor feedback on each task for the current Milestone

Have a valid, working login with a simple user interface:

Feedback: Add some type of confirmation to know that login is successful.

login integration into database using MongoDB:
Feedback: Looks good.

Create a landing page for the software:
Feedback: Looks good

Have a valid, working registration with a simple user interface:
Feedback: Add some type of confirmation to know that registration is successful.

Create a database to create and store registration information using MongoDB:
Feedback: Looks good.

Secure the passwords in the database:
Feedback: Looks good. Hashing the passwords is a good technique.

Faculty Advisor Signature: _____ Date: _____

10. Evaluation by Faculty Advisor

- ○ Faculty Advisor: detach and return this page to Dr. Chan (HC 209) or email the scores to pkc@cs.fit.edu
- ○ Score (0-10) for each member: circle a score (or circle two adjacent scores for .25 or write down a real number between 0 and 10)

Garrett Gmeiner	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Tyler Ton	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Taylor Carlson	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Parker Cummings	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10

Faculty Advisor Signature: _____ Date: _____