

2016

Will Wade's Team Camp: An Online Registration Service for Will Wade's Basketball Team Camp at VCU

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Faculty Advisor: Dr. Dahlberg

Sponsor: VCU Athletics

Sponsor Advisor: Lauren Wade

COMPUTER SCIENCE



Will Wade's Team Camp

An Online Registration Service for Will Wade's Basketball Team Camp at VCU

CAPSTONE DESIGN EXPO 2016

The Problem

As VCU Men's Basketball continued to grow and garner attention on a national level this season, Will Wade's summer basketball camps needed to expand their offerings to match increased demand.



The individual camp was already using online registration but the team camp was not using an online system and faced several problems:

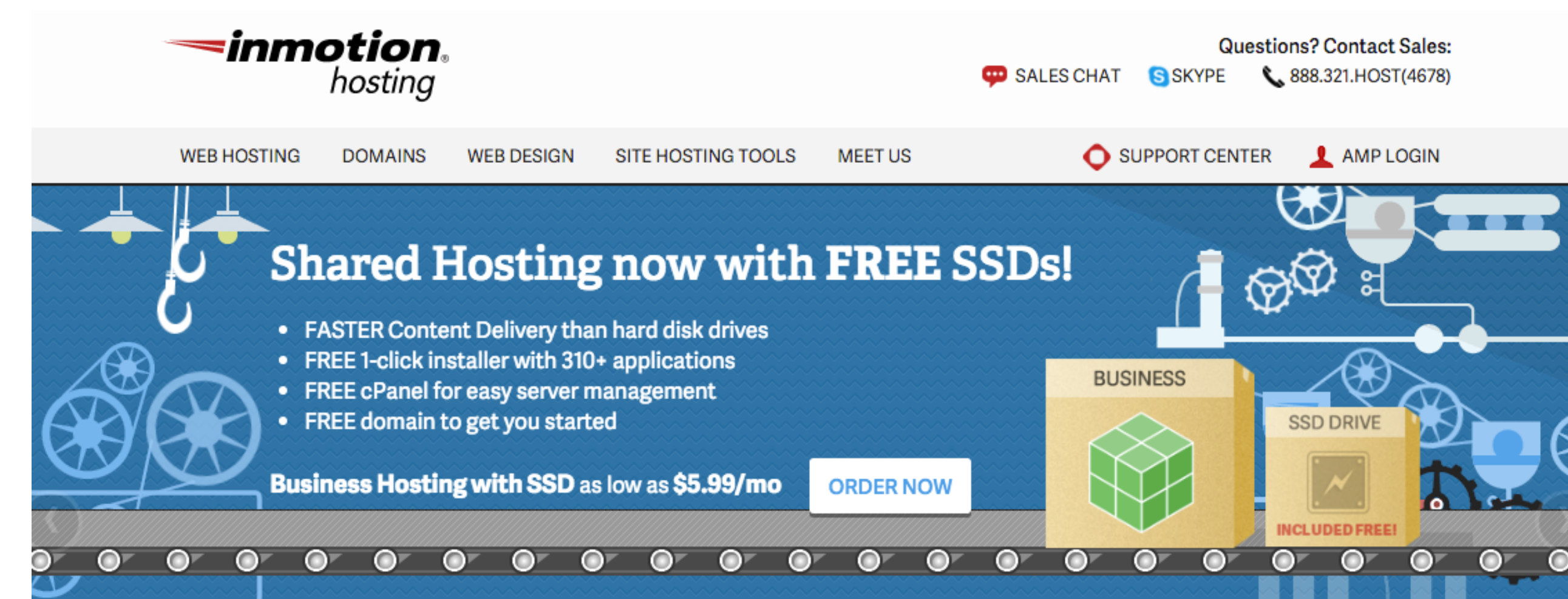
- The registration process for teams was difficult and lengthy
- All registration records had to be stored in one physical location
- Accessing information during the camp was difficult and negatively impacted the services and operations of the camp
- Camp scheduling was done by hand and did not allow for quick changes if a team did not show on the day of the camp



Project Requirements

The project team met with Lauren Wade and Websmith Group to design an online registration and administration system that would:

- Allow teams to register and pay for camp through an online system
- Offer a secure administration panel for camp administrators to manage and track registration information
- Gather scheduling information during registration and make the tournament scheduling process simpler and more adaptive
- Improve regular camp operations on the day of the camp



The project team also had to meet legal and security requirements during project development. This included:

- Meeting all NCAA Compliance regulations related to student athletes, camp information, and other areas of concern
- Ensuring proper authentication and security for all camp services, including secure login and encryption across all pages and secure hosting through a trusted third-party vendor

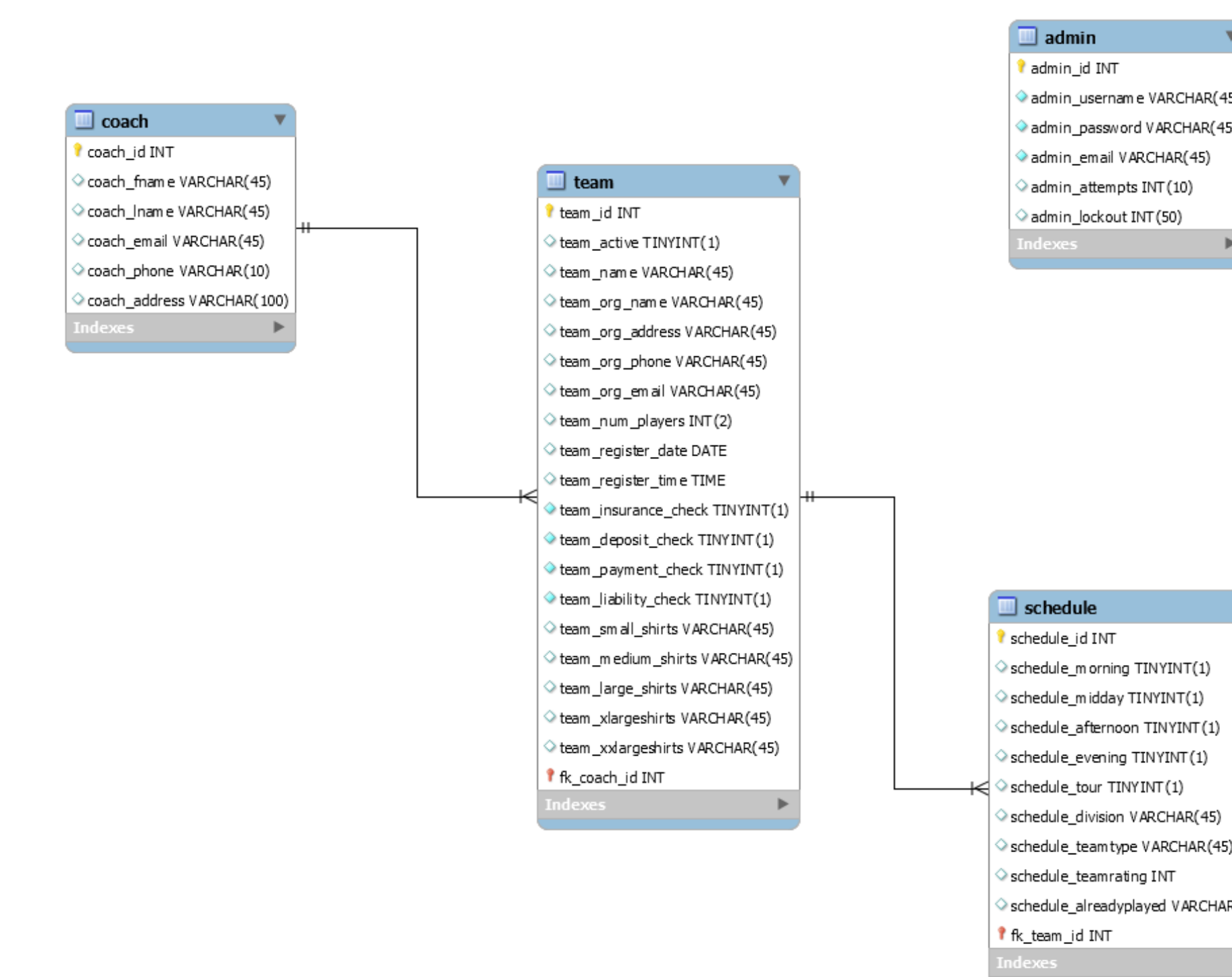
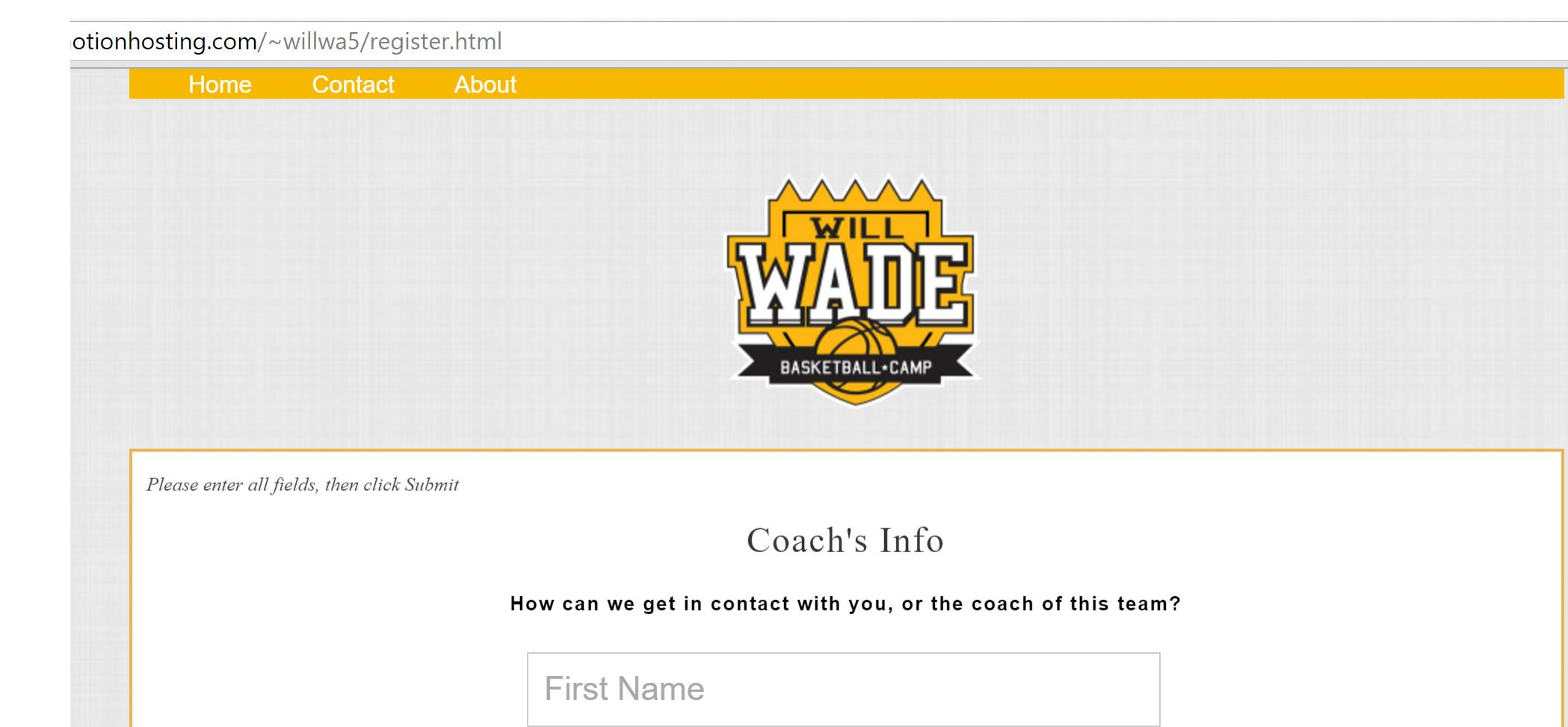


The project team worked closely with the VCU Athletics NCAA Compliance team and Websmith Group to guarantee that these requirements would be met during product development.

The Solution

After defining the project, the project team designed a solution to meet the project requirements. The project team used secure hosting site InMotion Hosting to host the web services and database. The project team created the following services to run on the hosting site:

- A database holding team registration and scheduling information
- A registration page capturing coach and team information
- A login page enforcing authorization for all secure pages
- An administration panel for camp administrators



The site is currently being used to accept team camp registrations for the Summer of 2016. The project team would like to thank Lauren and Will Wade, VCU Athletics, Websmith Group, VCU Engineering, and Dr. Robert Dahlberg for their support on this project.



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