

Team: ANTE

Andrew Imwalle - Product Owner | Nick McDonough - SCRUM Master | Elias Tracy | Tuong Tran

Pivotal Tracker: <https://www.pivotaltracker.com/n/projects/2598148>

GitHub: <https://github.com/tamu-edu-students/fighting-aggies-platform>

Slack: <https://app.slack.com/client/T04GX9UU3V3/C04H08B4N0J>

Heroku: <https://fighting-aggies-platform.herokuapp.com/>

Username: nimcd@tamu.edu

Password: password

Customer Meeting Date/Time/Location: N/A

Summary

Our client is Kratik Malholtra: Texas A&M University's Director of Sports Science & Analytics (DSSA). As the the DSSA, Kratik needs to be able to compile, analyze, and visualize data from football practices using Texas A&M's Computer Vision software which tracks players in real time during practices. Kratic needs each of these pieces in one place in order to be efficient and effective as the DSSA. More specifically Kratik and his team need to have a platform to be able to upload file files, have them sent to the "cloud" for analysis (Computer Vision API), have them returned to the platform which displays statistics in a form and grammar that are easy to understand and manipulate, and then be able to download these statistics and plans in an easy manner.

Our platform, The Fighting Aggie Analytics Platform (FAAP) provides this functionality. FAAP is designed to provide ease of use with the lifecycle of data using the Computer Vision software. FAAP allows users to upload data for statistical analysis in a simple and efficient manner. Users will be able to upload MP4 videos to the Computer Vision API, retrieve Computer Vision's analysis, have the analysis displayed in a friendly way, manipulate the visualization of the analysis, and download the manipulated analyses for distribution.

User Stories

1. Feature: Access the administrator dashboard
As an administrator
So that I can have exclusive access to the interfaces
I want to be redirected to the administrator dashboard upon admin login.
2. Feature: Create Users through the administrator dashboard
As an account administrator
So that other people can use the application with my approval

- I want to add new users to the database.
3. Feature: View all current users through the administrator dashboard
As an account administrator
So that I can see who has access to the website
I want to view the users in the database.
 4. Feature: Update user accounts through the administrator dashboard
As an account administrator
So that other people can use the application
I want to be able to edit their credentials.
 5. Feature: Remove users through the administrator dashboard
As an account administrator
So that our website is secure
I want to remove users from the database.
 6. Feature: Add Videos to Database
As a coach
So that I can update player data
I want to upload game files to the website
 7. Feature: Input football specific metadata
As a coach
So that other users can identify this video in the future
I want to add football specific metadata to a video when uploading it.
 8. Feature: View Previously Submitted Video Repository
As a coach
So that I can view previous player data
I want to access previously submitted videos
 9. Feature: Edit Submitted Videos
As a coach
So that I can update video data
I want to update a video's football specific metadata
 10. Feature: Delete Submitted Videos
As a coach
So that I can ensure that data is accurate
I want to delete duplicate and/or unnecessary video
 11. Feature: Filter practice data by plays
As a coach
So that I can understand my play statistics
I want to be able to filter data by plays
 12. Feature: Filter practice data by players

As a coach

So that I can understand my player's performances

I want to be able to filter data by players

13. Feature: Filter practice data by practices

As a coach

So that I can compare my practice statistics

I want to be able to filter data by specific practices

14. Feature: Filter practice data by routes

As a coach

So that I can understand performance during routes

I want to be able to filter data by routes

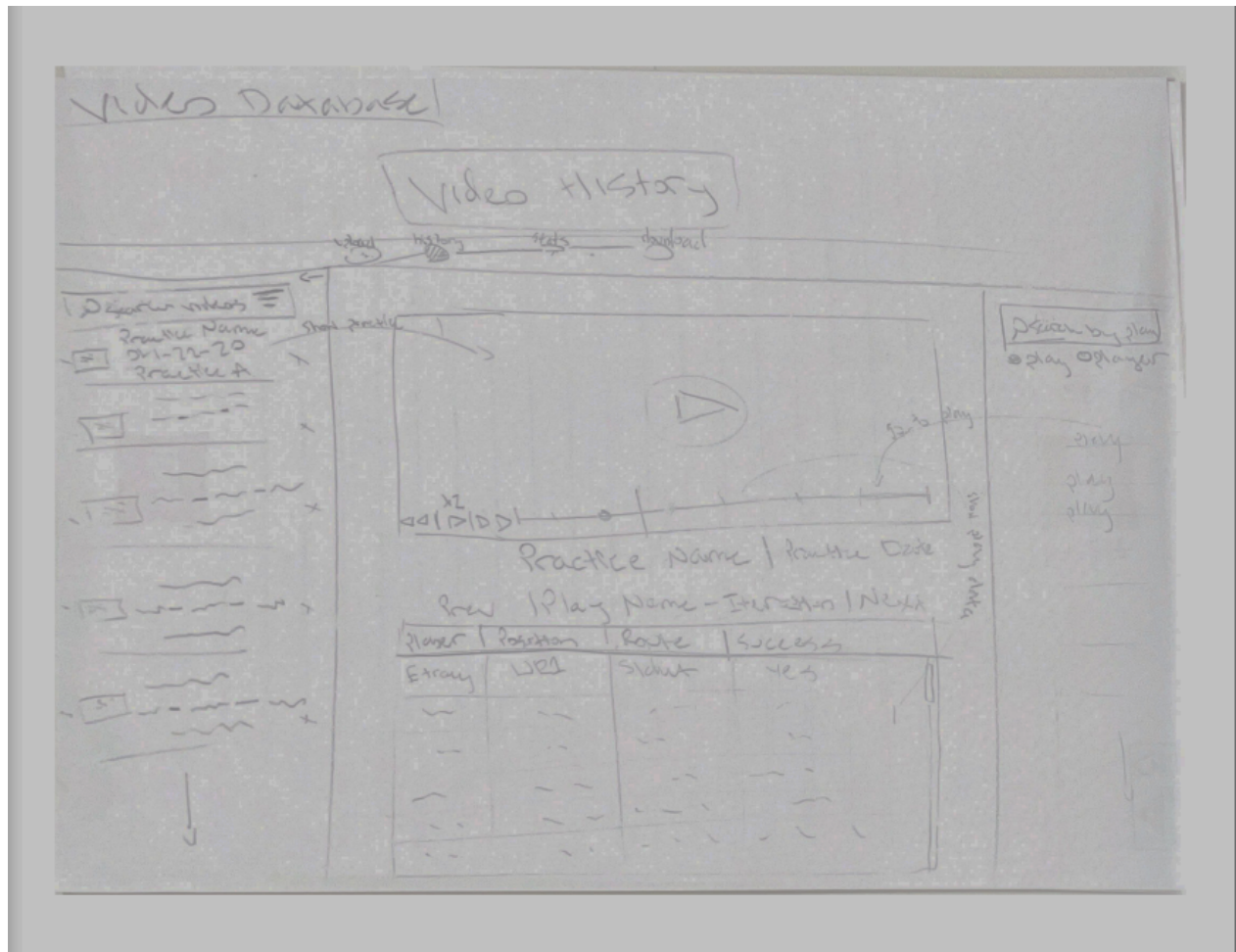
15. Feature: Create a report card

As a coach

So that I can easily read and share my players data

I want to view a report card that displays all relevant data

User Interfaces



File Configuration Dashboard

Video File:

Name:

Additional Path:

Size: 2.68

Length: 02:20:14

Date: 08/02/2023

Time Stamp: 09:08:22

Export Dashboard

☐ Select All Practice: Player: Play name: Result:

Practice	Player	Play name	Play	Rate	Time Stamp	Score
~	~	~	~	~	~	~
~	~	~	~	~	~	~
~	~	~	~	~	~	~
~	~	~	~	~	~	~
~	~	~	~	~	~	~
~	~	~	~	~	~	~

Admin Dashboard

Add User

Logout

User	Role	Email	
Eli Tracy	Coach	@gmail.com	Edit
Tuong Tran	Junior	@gmail.com	Edit
Andrew Fawcett	Senior	@gmail.com	Edit
Nick McDonough	Admin	@gmail.com	Edit

Are you sure?

Logout

Username

Password

Email

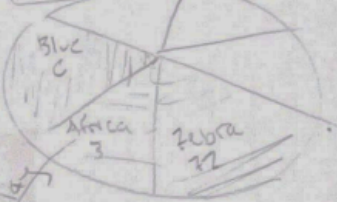
Role

User	Role	Email	Password
_____	_____	_____@_____	11111
_____	_____	_____@_____	22222
_____	_____	_____@_____	33333
_____	_____	_____@_____	44444

Analytics

Analysis

Player Data



Max 12/12

Start Player

Player Data

E Tracy

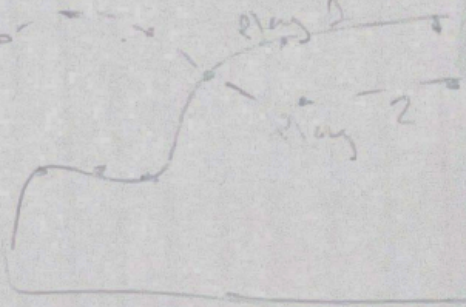
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Iterations

A-Tracking
B-Tracking

Iteration A		
Player	Date	Success
E Tracy	Hook	NO

Current Level



Processes