

# SmartGlass Analytics – Sprint 2

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Gabe Gros



Chris Hellen



Ethan  
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Aiden Carroll



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# Project Focus

- Build third party app on host tablet to keep up with stats from provided API
- Enable user of tablet to display whatever stats they prefer to see at that time

# Sprint Goals

- Expand and Improve User Interface
  - Give a more comprehensive view of selectable players and data
- Establish a baseline with the Synergy API
  - Begin work with pulling live stats, set foundation for more expanded later functionality



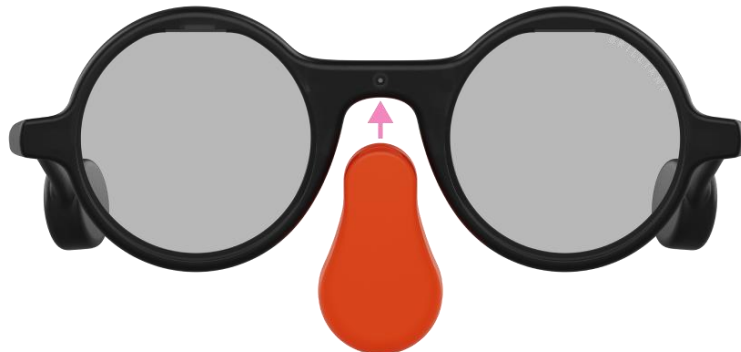
# Major Sprint Achievements/Feedback from Sponsor

## Major Achievements

- Upgraded Android app UI
- Deployed Android app to ELO tablet
- Ran Python code in Android Studio
- Connected to glasses using frameutil Python package

## Feedback from Sponsor

- Sponsor was satisfied with our progress in Sprint 1
- Received ELO tablets and Synergy access from sponsor
- Have not met with sponsor to go over Sprint 2 results yet due to SEC championship, March Madness, etc



# Project & Sprint Backlog

ID	Story	Estimated Hours	Priority (1-5)	Sprint When Finished
1	Prototype Glasses Screen	4	5	
2	Research Glasses API	8	1	1
3	Understand Previous Group's Model	5	4	1
4	Research Sending data to Glasses		3	1
5	Research ELO tablet, try to emulate it in Android Studio	3	2	1
6	Prelim App UI Design	3	1	1
7	Research python in Android Studio		2	1
8	Use Synergy Practice API		3	1
9	Create Android Studio App, Link to Github	3	1	1
10	Design Info Delivery System	12	1	1

**Sprint 1**

		Priority (1-5)	Sprint When Finished
10	Design Info Delivery System	1	1
11	UI App Updates	1	2
12	Create Sample get request	2	2
13	Connect to SmartGlasses Write Python code for	4	2
14	Android Studio	3	2
15	Deploy app onto tablet Use Screen mirroring software to show tablet on	1	2
16	PC Set up Synergy Account and Find Resources For Request	1	2
17	Syntax	1	2
18			

**Sprint 2**

# Sprint Contributions

## Aiden Carroll

Work on UI changes,  
deploy app on tablet,  
mirror tablet screen  
on laptop, make get  
request to server

## Gabe Gros

Research method  
and Connect to  
Glasses using  
frameutils package

## Chris Hellen

Research how to and  
run python code in  
Android Studio

## Kendall Hamm

Create Synergy  
account, researching  
encrypting methods  
for API key, attempt a  
get request

## Ethan

## Schwalbach

Implemented new UI  
screens/updates,  
Player data, App  
navigation

# What was not completed/Lessons Learned

## Not Completed

- Successful API calls not yet made, working with Synergy support team while they resolve internal issue prohibiting successful API calls being made
- Integration of separate efforts into the app, current development still partially siloed
- Cybersecurity concerns not fully implemented, issues addressed but not solved in code yet

## Lessons Learned

- Don't take working tech for granted
- Merge often, merge early
- Keep each other up to date on current development



# Live Demo