



Mind Over Matter: Final Presentation

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**RECREATIONAL
SPORTS**

Agenda

- Summary
- Hours
- Deliverables
 - Roadmap
 - Dashboard
- PM Tools
 - Assessment
- Success
- What Went Wrong/Right
 - Lessons learned
- Project Manager
- Team
- Questions



Summary

- Worked with Rec Sports
- Utilized a formal Project Management process
- Developed a dashboard for visualization which analysed Rec Sports survey data
- Created a project roadmap with possible directions to continue the project and recommendations pertaining to current systems



Estimated vs Actual Hours

Estimated: 210.75

Actual: 179.38



Deliverables

Our team created a **dashboard** and a **roadmap** for future Project Management groups. The researched topics explore:

- Wireless Access
- Swiping Out
- Adapting/Improving Equipment
- Cameras

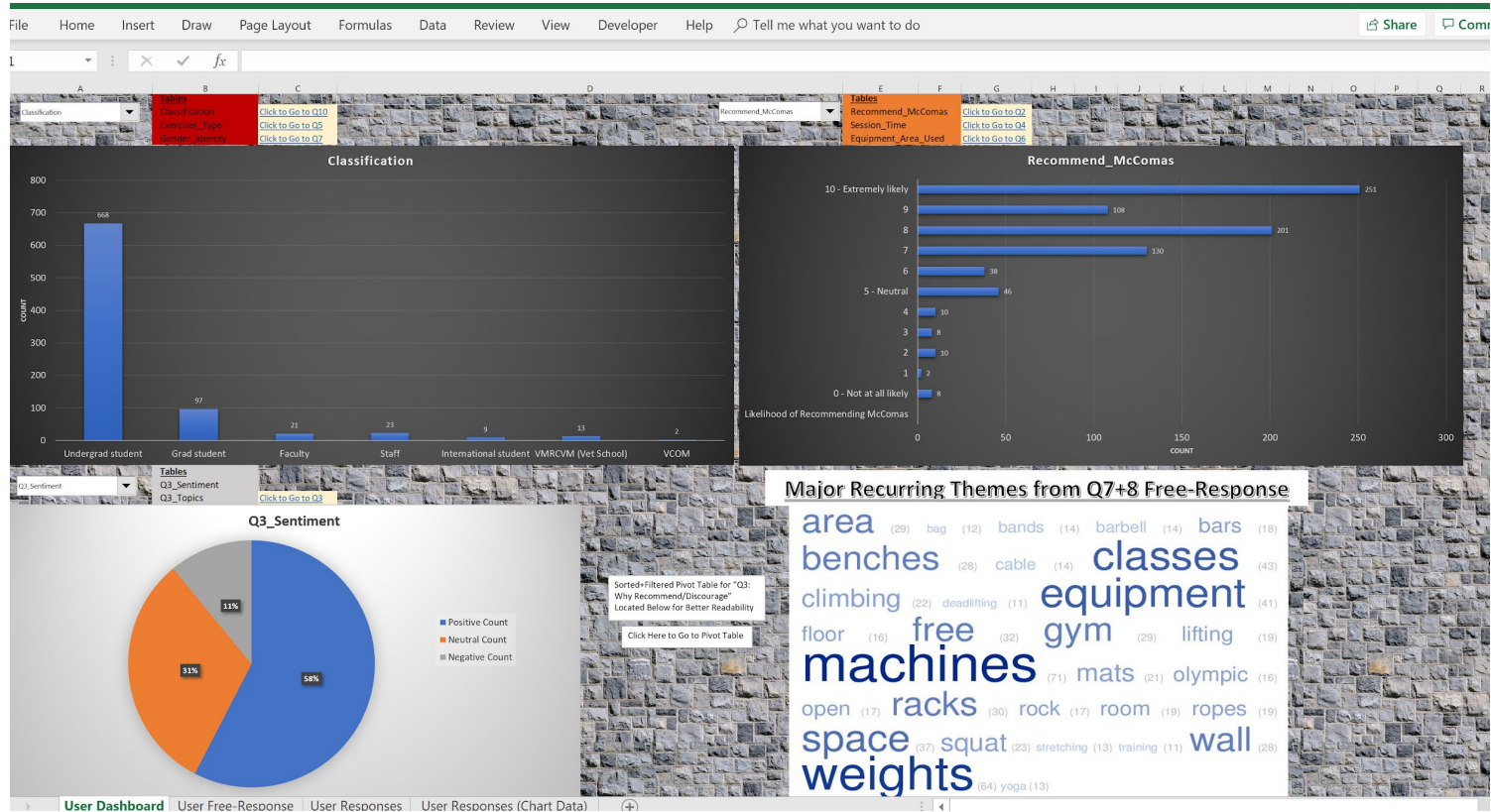


Roadmap

- Four feasible options for monitoring utilization at McComas:
 - Wireless access
 - Swiping Out
 - Adapting Equipment
 - Cameras
- Recommendation
 - Begin with swiping-out method
 - Low initial cost and easy implementation
 - Most feasible option is the Wifi implementation
 - Uses cloud-based location analytics to track real-time customer behavior
 - Privacy concerns too great
 - Utilizing machine monitors to get live stream of equipment being used
 - Cameras are currently being installed



Dashboard



Dashboard

Topics: Facilities, (condition,atmosphere,staff), Equipment, Traffic, Convenience (distance,parking,hours)

Sentiment: neutral (Multiple Items)

Topic(s):

Q2. Why would you recommend/discourage using McComas?
 A variety of equipment. Only reason I would rate higher is because of crowding. Because it all depends on when they would go because the mat area is overly crowded with no space but everything else always has enough machines and don't usually have to wait. Because it's always too busy to work out here I would like too. But they have good equipment. Cause I like McComas but it's crowded a lot of be time. Most of the popular equipment is always being used.
 Clean but crowded
 Everything in McComas is really nice, it's just always super crowded and waiting upwards of 15 minutes for a machine or a bench is very frustrating
 Fairly large and good workout area, good size pool with good hours, however, the weightlifting area gets packed once classes are done. It's very inconvenient to workout from 3:00 to 8:00, as it's almost guaranteed you'd have to wait to use equipment.
 Good equipment but near constantly over crowded
 Good equipment but too crowded
 Good equipment, but there could be more weight belts with chains and a larger free weights section. Also it can get very crowded.
 Good facilities but always crowded.
 Good gym and has everything that I would need, it's just so crowded
 Good gym but gets far too crowded and some equipment has really aged in the past years
 Good gym but very busy and the wait time for equipment is long most of the time.
 Good gym, but can be very crowded, and very few other courts (basketball, racquetball, etc)
 Great but can be so busy and crowded.
 Great equipment, but not enough for everyone to lift weight or cycle at peak times
 Great Facility, but too crowded and expensive to justify the extra money for the membership.
 Gym is crowded but has decent equipment
 I enjoy the facility, however, it's very crowded and I often have to wait for people to finish using equipment. Then I feel pressured to work out quickly because people are waiting for me to finish.
 I love going to McComas, but the only downside is that it is literally always crowded.
 I love going to McComas, especially with my GroupX pass. However, I did not rate it a 10 because it is quite crowded usually and I do with the cardio floor had less ellipticals and more of other things like treadmills, stationary bikes, or floor space for strength work.
 I love McComas and the only reason I didn't give it a 10 is because parking can be difficult there many events take place close to McComas and there tends to be overcrowding.
 I love McComas but there is often overcrowding at certain hours of the day and there isn't enough equipment considering how many people actually use the gym. For example, there is one abductor machine and that is something a lot of people use. There also isn't enough space for mats and mats are torn up.

Q3. Why would you recommend/discourage using McComas?
 A lot of people there already (busy).
 It's a massive gym with excellent machinery is not a common site on college campuses.
 Only a variety of equipment. Only reason I would rate higher is because of crowding.
 A variety of exercises can be done at McComas with new-ish equipment.
 A good amount of equipment could be laid out better.
 A nice building, lots of equipment options
 A/C, outstanding equipment, variety of equipment
 Accessibility, variety of options, good atmosphere, friendly environment.
 Adequate facilities and classes
 Air conditioning, nice equipment, wide variety of classes
 All students pay for the facilities so it would be a waste not to use it.
 Although busy, McComas is an overall great gym. They have almost everything I need and the staff has been extremely friendly in the past few years (seem more friendly than in previous years). It appears overall clean.
 Always so busy, more time efficient to go somewhere else for a better workout.
 Apart from crowds, McComas is one of the best gyms I have ever used.
 As a staff member, I cannot afford your rates for Faculty and staff. I wish use of McComas not an equipment (or at least the track since that's not available at War) was free to staff.
 As an employee at McComas I know our facility is much more superior than a lot of the other gyms choices you have in Blacksburg and I really think that we're accessible to anyone.
 Because I love this gym but it's crowded most of the time
 Because I would tell friends to go there
 Because it all depends on when they would go because the mat area is overly crowded with no space but everything else always has enough machines and don't usually have to wait.
 Because it has everything I need.
 Because it is a nice facility that I would expect everyone to enjoy.
 Because it is an awesome facility with so many different features, amazing classes, and great staff. But at times it gets way too crowded and parking is impossible.

Q6. Which McComas Hall equipment/areas do you typically use for your workout (check i

	A	B	C	D	E	F	G	H		
Q2. How likely is it that you would recommend using the gym facilities in McComas Hall to a friend or colleague?										
Likelihood of Recommending McComas										
	Count	Percent								
0 - Not at all likely	8	0.99%								
1	2	0.25%								
2	10	1.23%								
3	8	0.99%								
4	10	1.23%								
5 - Neutral	46	5.67%								
6	38	4.68%								
7	130	16.01%								
8	201	24.75%								
9	108	13.30%								
10 - Extremely likely	251	30.91%								
	812	100.00%								
Q4. What is the average amount of time you spend exercising in a single session?										
Time Spent per Session										
	Count	Percent								
0-29 minutes	6	0.74%								
30-1 hour	318	39.26%								
1-2 hours	460	56.79%								
2-3 hours	25	3.09%								
3+ hours	1	0.12%								
	810	100.00%								
Q5. Which best describes you?										
Exerciser Type										
	Count	Percent								
Experienced exerciser (consistent >6mo., >3/week)	477	58.96%								
Novice exerciser (consistent <6mo., <3/week)	205	25.34%								
Sporadic exerciser (inconsistent >=6mo.)	124	15.33%								
Not an exerciser (not exercised in 6mo.)	3	0.37%								
	810	100.00%								
Topic(s)										
	Sentiment	Score								
Convenience	negative	0.076287								
Equipment	positive	0.720185								
Traffic	negative	0.673874								
Facilities, Equipment	positive	0.309978								
Facilities, Traffic	positive	0.379258								
Equipment	positive	0.843448								
Facilities, Equipment	positive	0.282436								
Facilities, Equipment	positive	0.825601								
Facilities, Equipment	positive	0.652407								
Facilities, Equipment	positive	0.764662								
Facilities	positive	0.651573								
Facilities, Equipment	positive	0.737389								
Facilities, Equipment	neutral	0.365668								
Facilities, Traffic	positive	0.198746								
Traffic, Convenience	negative	0.573588								
Traffic, Facilities	positive	0.726559								
Equipment, Convenience	negative	0.052314								
Facilities, Convenience	positive	0.511017								
Traffic	positive	0.740751								
Facilities, Equipment	positive	0.446414								
Equipment, Traffic	neutral	0.006169								
Facilities, Equipment	positive	0.199298								
Facilities	positive	0.915151								
Facilities, Traffic	positive	0.862315								
			Convenience Count		Equipment Count		Facilities Count		Traffic Count	
			55		252		432		248	
			Positive Count		Neutral Count		Negative Count			
			394		215		75			
			Convenience Count		Equipment Count		Facilities Count		Traffic Count	
			55		252		432		248	
			Positive Count		Neutral Count		Negative Count			
			394		215		75			
CTRL-SHIFT-ENTER to recalculate counts (or if formula modified) to give the proper output again										

User sorted with a query Demo Chart

PM Tool Assessment

Most Useful:

- Team Contract
- Scope Statement
- Project Charter
- Communication Management

Least Useful:

- Risk Management Plan
- Probability Impact Matrix
- Draft schedule



Success

- Relied on the ability to accurately and efficiently deliver deciphered data to Virginia Tech Recreational Sports for reporting and usage
- A 9/10 rating from the project sponsor
- **Megan's Review:**
 - Positive response
 - Very impressed with our work
 - Excited to utilize the tools we have provided her



What Went Right/Wrong?



Right:

- Reliable team members
- Maintained positive and consistent communication with sponsor
- In-depth research for roadmap

Wrong:

- Initial idea to create heatmap was not feasible
- Faced internal trouble to stay on track at meetings

Lessons Learned

- Address communication discrepancies early
- Establish meetings ahead of time
- Adhere to agenda



Project Manager

Stephanie volunteered to be the Project Manager. She did an excellent job keeping the team on track throughout the semester, while also maintaining a professional relationship with the sponsor. Stephanie is open to potential opportunities to be a Project Manager in the future.



Team Dynamic

- Worked well as a team
 - We were all very receptive, and respectful to one another.
- Had trouble sticking to the agenda during meetings
 - Addressed by communicating our concerns to one another
 - This issue can be prevented by establishing a clear agenda and holding each other accountable

	Stephanie	Isabella	Gaby	Dalton	Kevin
Timely	5	5	4	5	4
Communication	5	5	5	4	4
Attendance	4	4	5	5	5
Reliability	5	5	5	5	5

Questions?

