

FAMU/FSU College of Engineering
Department of Electrical and Computer Engineering
Concept Selection

Team #305

Mouthpiece Social Media Application

Names: Ian Tyrell, Christan Robinson, Peyton Smith, Julien Denis

Date: 10/28/2022

Concept Selection:

Pugh :

ATTRIBUTES	PROFIT	TIME	EFFORT
UI/UX	⊖	↓	↑
ACCESSABILTY	↑	↑	↓
INTERACTIVE	↑	↓	↑
GIOLOCATION	↑ ↑	↓	↓
ALGORITHMIC FEATS	↑ ↑	↓ ↓	↓ ↓
RANKING SYSTEMS	↑	↑ ↑	↑
BASIC SHARING/POST	⊖	⊖	⊖

House Of Quality:

Title: _____

Author: _____

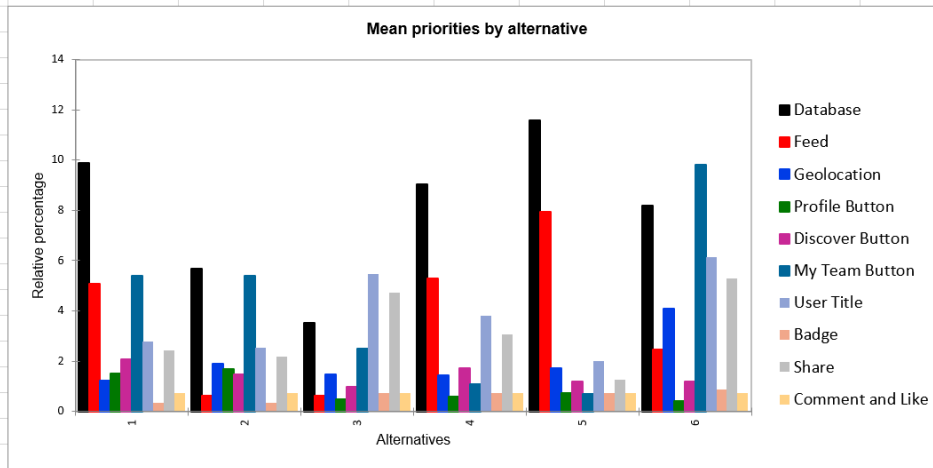
Date: _____

Notes: _____

				Column #														
				Direction of Improvement: Minimize (▼), Maximize (▲), or Target (x)														
Row #	Max Relationship Value in Row	Relative Weight	Weight / Importance	Quality Characteristics (a.k.a. "Functional Requirements" or "Hows")														
					Database	Feed Content	Geolocation	Profile Button	Discover Button	MyTeam Button	User Title	Badge	Share Button	Comment Button	Like Button			
1	9	18.5	1.0	UI/UX	▲	○	○	○	○	○	○	○	○	○	○			
2	9	9.3	0.5	Accessibility	▲	○	○	○	○	○	○	○	○	○	○			
3	9	14.8	0.8	Interactive	▲	○	○	○	○	○	○	○	○	○	○			
4	9	18.5	1.0	Geolocation	○	○	○	○	○	○	○	▲	▲	○	○			
5	9	16.7	0.9	Algorithmic Feats	○	○	○	○	○	○	○	○	○	○	○			
6	9	13.0	0.7	Ranking Systems	○	○	○	▲	○	○	○	○	○	○	○			
7	9	9.3	0.5	Basic Sharing/Posts	○	○	▲	○	▲	○	○	▲	○	○	○			
8																		
9																		
10																		
Target or Limit Value					33	45	37	43	37	21	33	35	31	33	33			
Difficulty (0=Easy to Accomplish, 10=Extremely Difficult)					5	6	7	4	3	3	4	6	3	3	3			
Max Relationship Value in Column					9	9	9	9	9	3	9	9	9	9	9			
Weight / Importance					459.3	655.6	592.6	651.9	592.6	300.0	466.7	544.4	463.0	500.0	500.0			
Relative Weight					8.0	11.4	10.3	11.4	10.3	5.2	8.2	9.5	8.1	8.7	8.7			

AHP:

Crit./Alt.	UI/UX	Accessability	GEOLOCATION	Algo	Ranking	Basic Sharing post
Database	9.88	5.66	3.51	9.04	11.57	8.18
Feed	5.07	0.61	0.61	5.28	7.93	2.46
Geolocation	1.23	1.89	1.46	1.45	1.73	4.10
Profile But	1.52	1.69	0.47	0.58	0.73	0.43
Discover B	2.06	1.48	0.98	1.72	1.19	1.19
My Team	5.40	5.40	2.50	1.10	0.71	9.83
User Title	2.79	2.54	5.48	3.81	2.00	6.15
Badge	0.35	0.35	0.74	0.74	0.74	0.86
Share	2.44	2.19	4.74	3.06	1.25	5.29
Comment	0.74	0.74	0.74	0.74	0.74	0.74



Conclusive selections:

Developing the social media application “Mouthpiece”, will be use different features that would meet designer and customer needs. After analyzing data, feed content, discover section, and user profiles are the most important features to take in consideration. The other notable features that re;ates to those three features includes database, geolocation, and badges. Staying within course of the “top three” will also cover the other features.