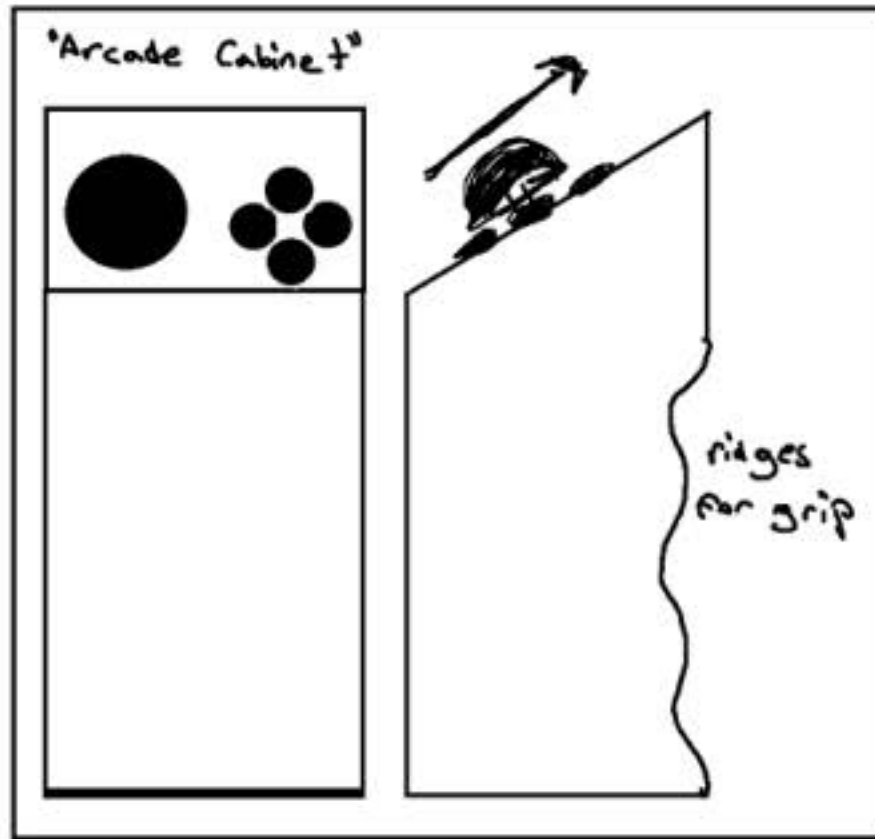
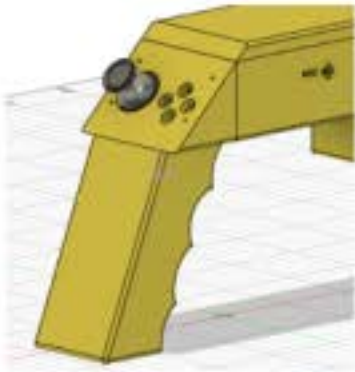


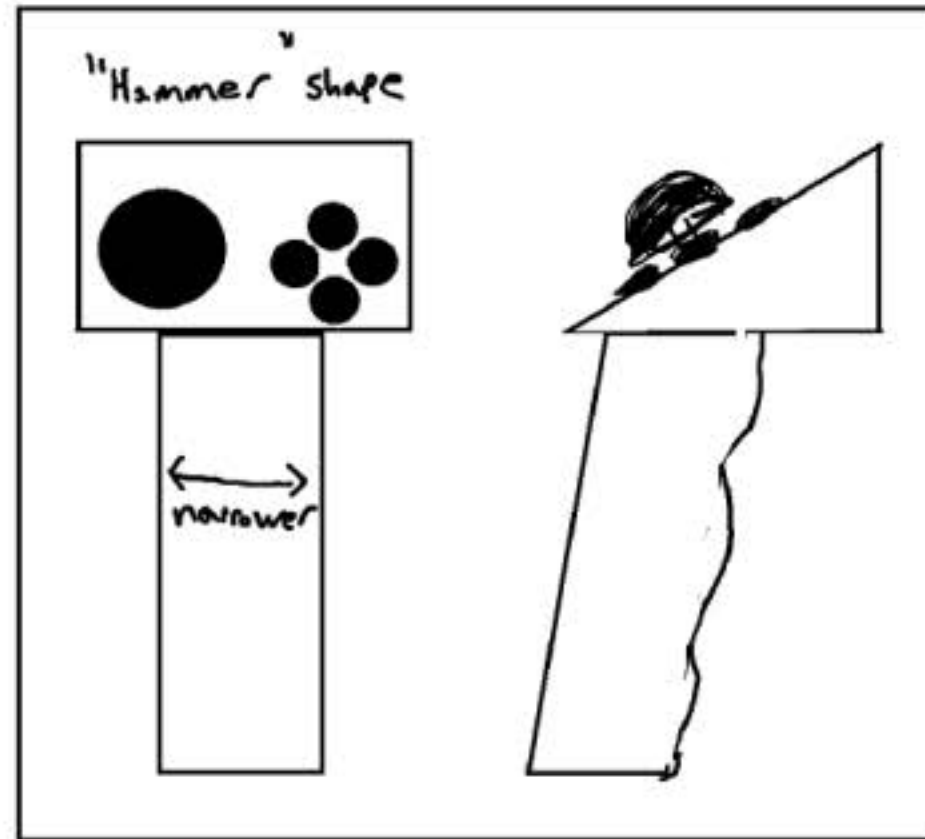
Paper Prototype



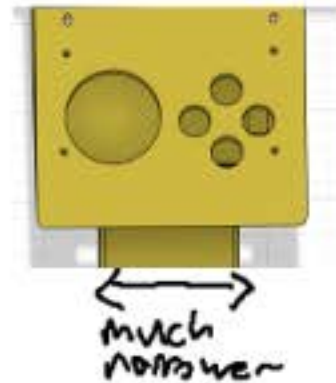
very hard to grip, too wide
very difficult to use buttons and joystick with one hand



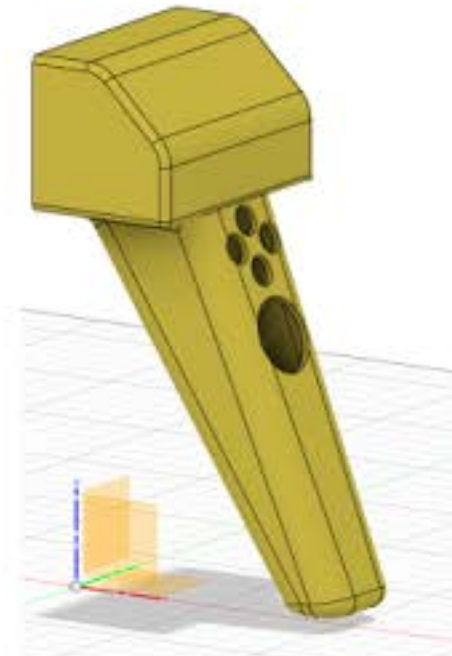
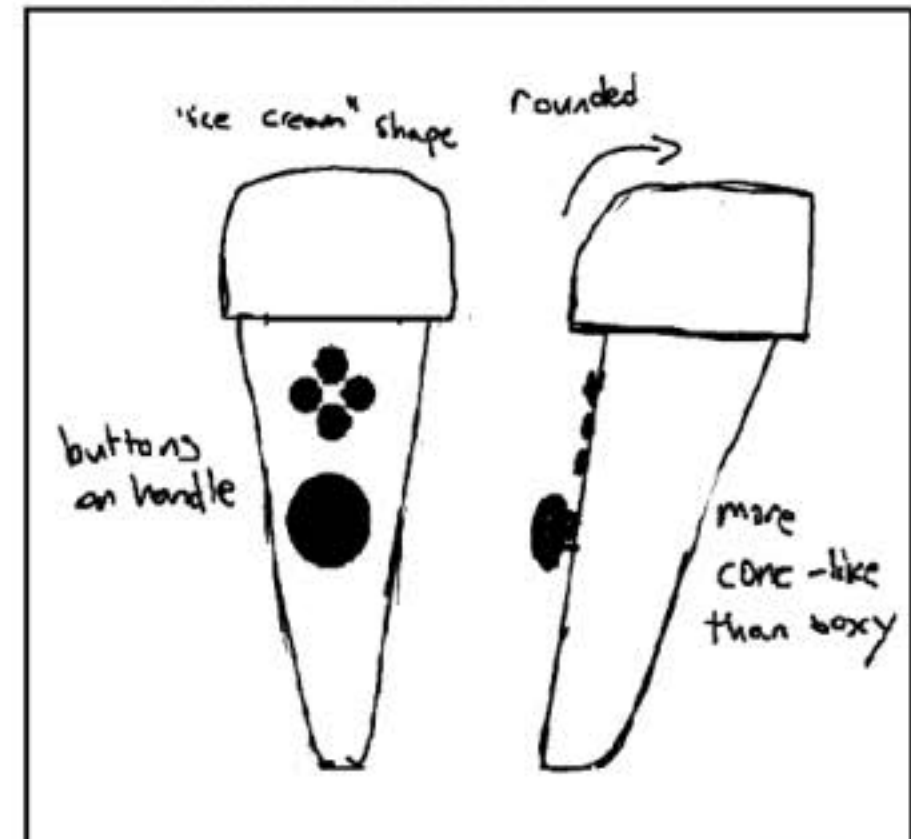
Adjusted Print

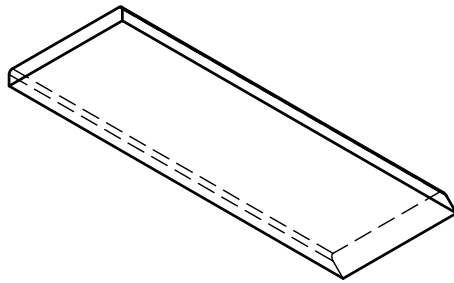
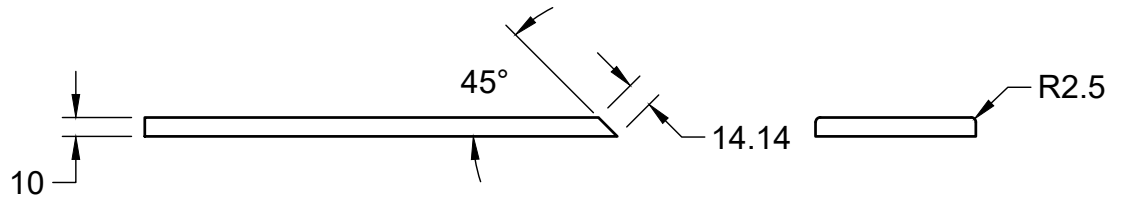
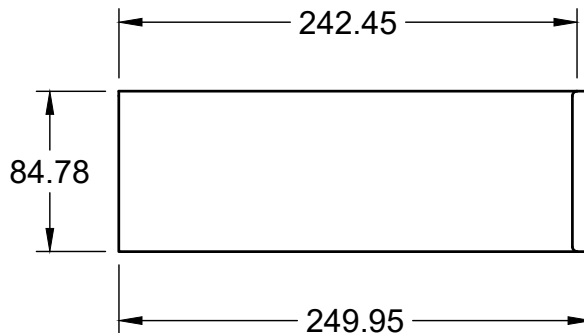


easier for several people to grip
still awkward to use buttons and joystick with one hand
(forced to grip very high up)



Final Version





PROJECT

Hardware Controller Gun Model

TITLE

Top

APPROVED

SIZE

CODE

DWG NO

REV

CHECKED

A

4

DRAWN

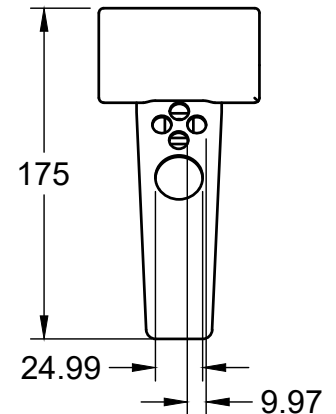
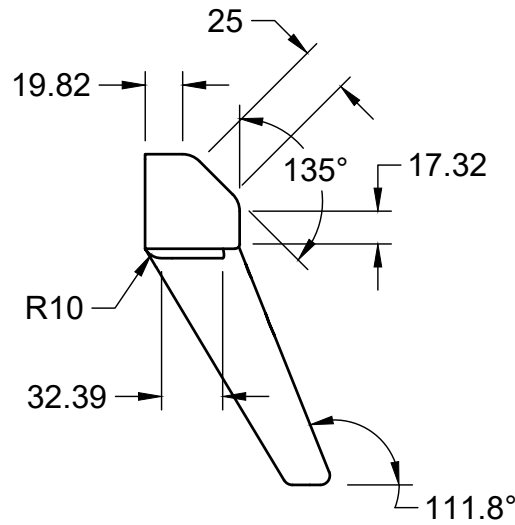
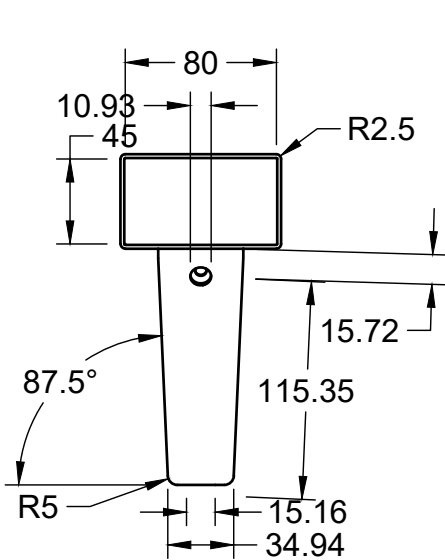
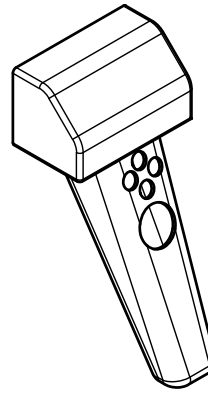
Nazifa Alam, Natasha Bowles, Josephine Flynn

2022-12-02

SCALE 1:4

WEIGHT

SHEET 1/1



PROJECT

Hardware Controller Gun Model

TITLE

Back Handle

APPROVED

SIZE

CODE

DWG NO

REV

CHECKED

A

14

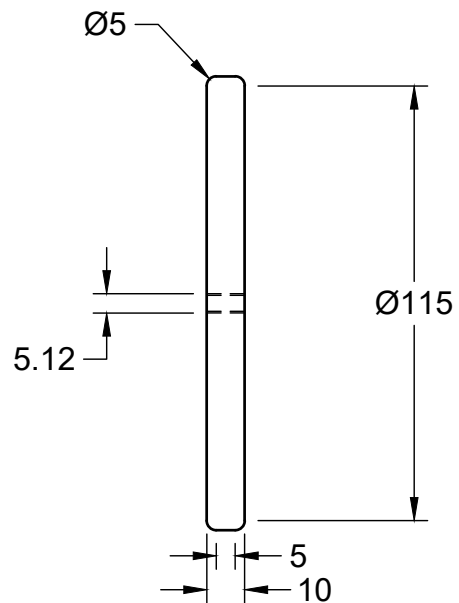
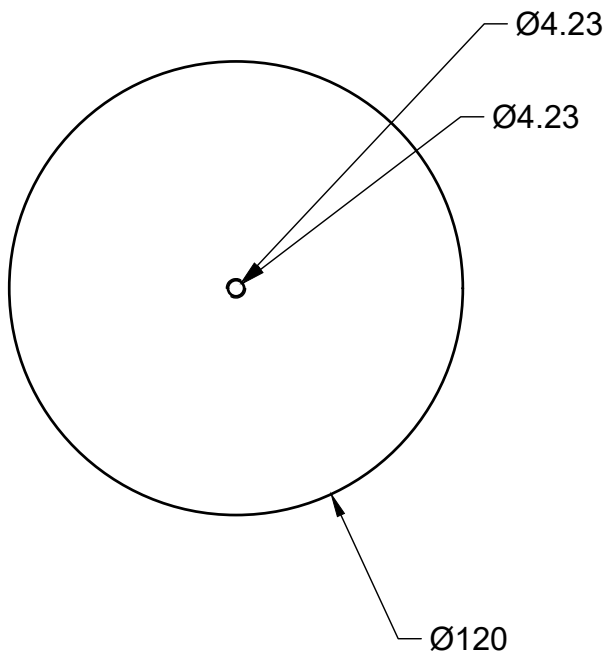
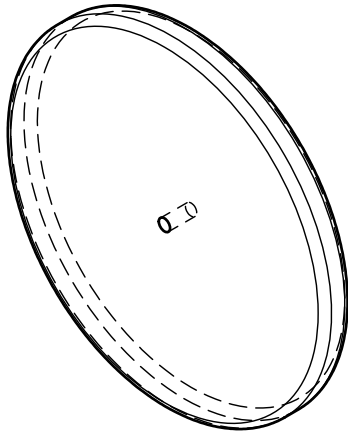
DRAWN

Nazifa Alam, Natasha Bowles, Josephine Flynn 2022-12-01

SCALE 1:4

WEIGHT

SHEET 1/1



PROJECT

Hardware Controller Gun Model

TITLE

Cylinder

APPROVED

SIZE

CODE

DWG NO

REV

CHECKED

A

3

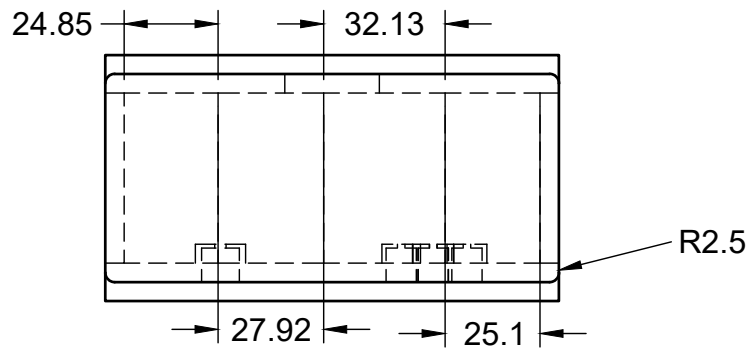
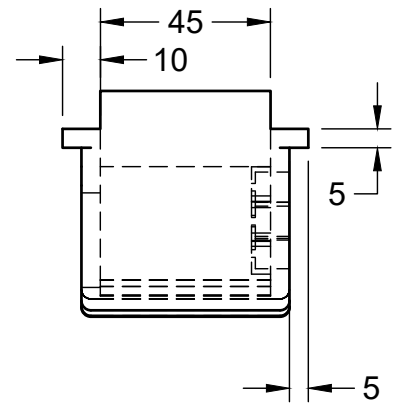
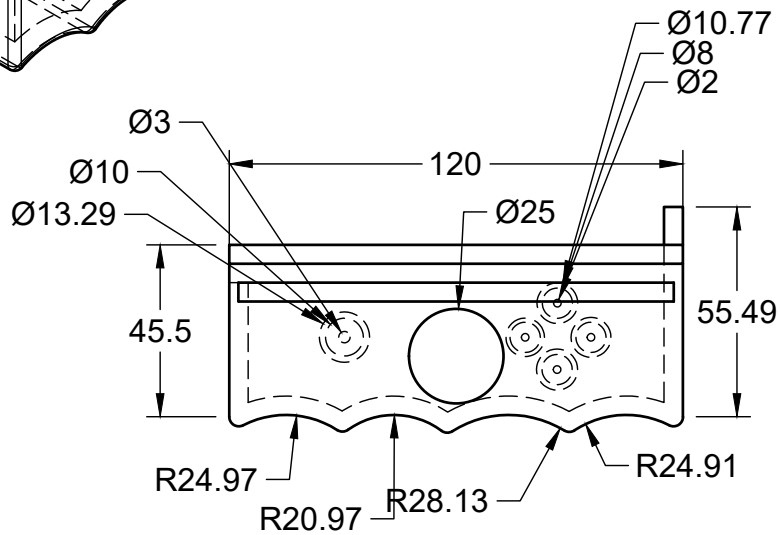
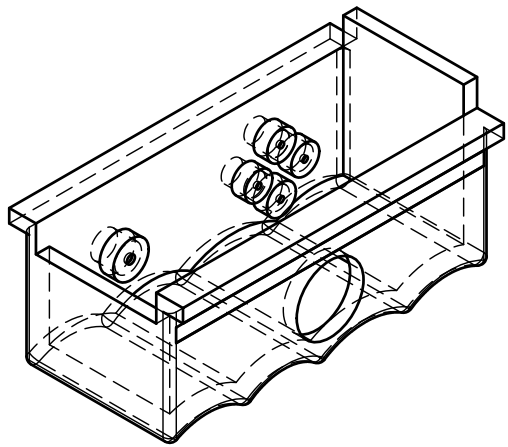
DRAWN

Nazifa Alam, Natasha Bowles, Josephine Flynn 2022-12-01

SCALE 1:2

WEIGHT

SHEET 1/1



PROJECT

Hardware Controller Gun Model

TITLE

HandHold Piece

APPROVED

SIZE

CODE

DWG NO

REV

CHECKED

A

21

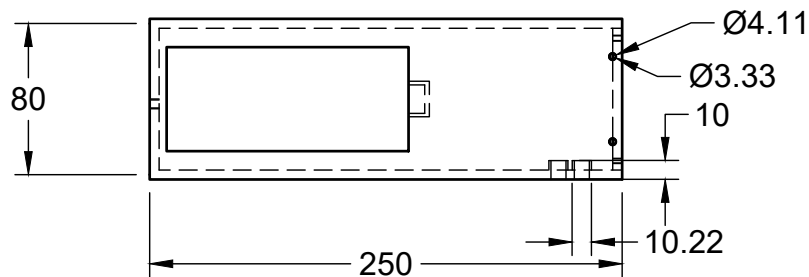
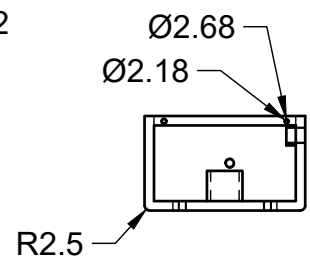
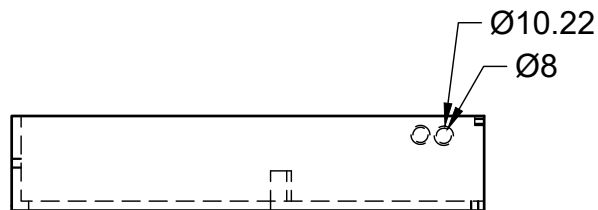
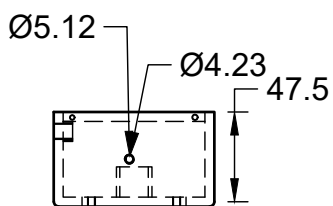
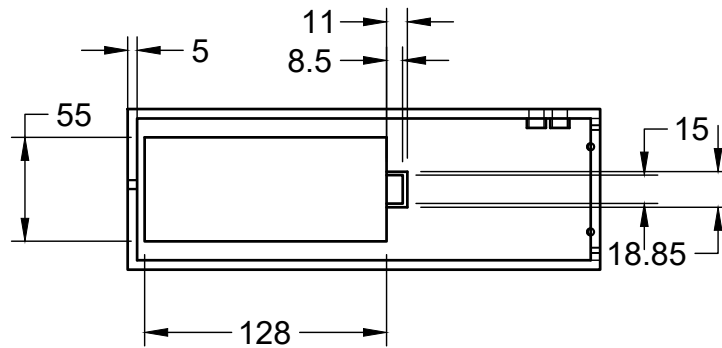
DRAWN

Nazifa Alam, Natasha Bowles, Josephine Flynn 2022-12-01

SCALE 1:2

WEIGHT

SHEET 1/1



PROJECT

Hardware Controller Gun Model

TITLE

Main Hub Box

APPROVED

SIZE

CODE

DWG NO

REV

CHECKED

A

1

DRAWN

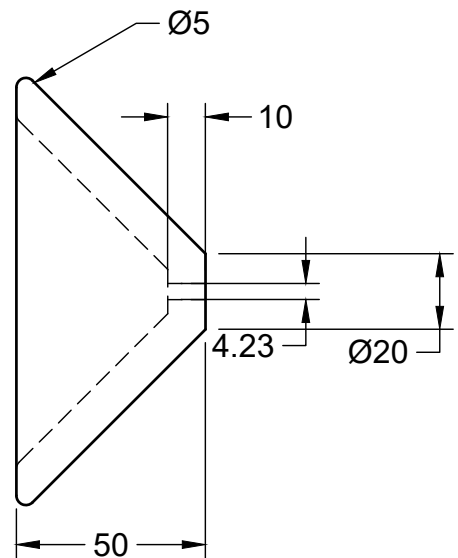
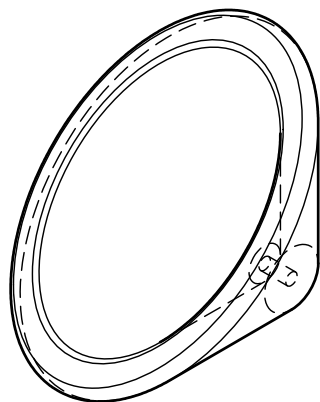
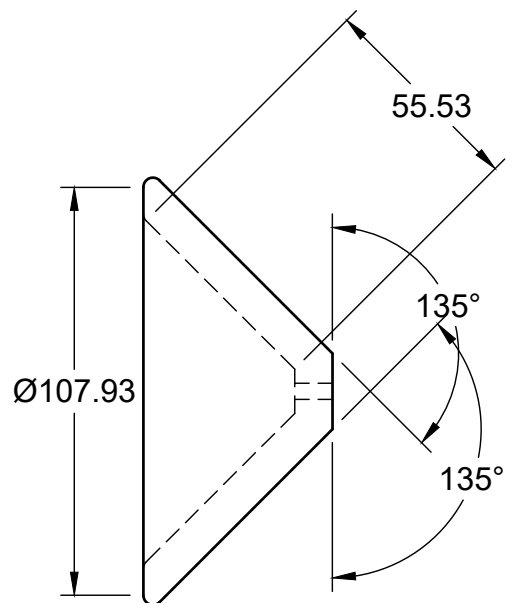
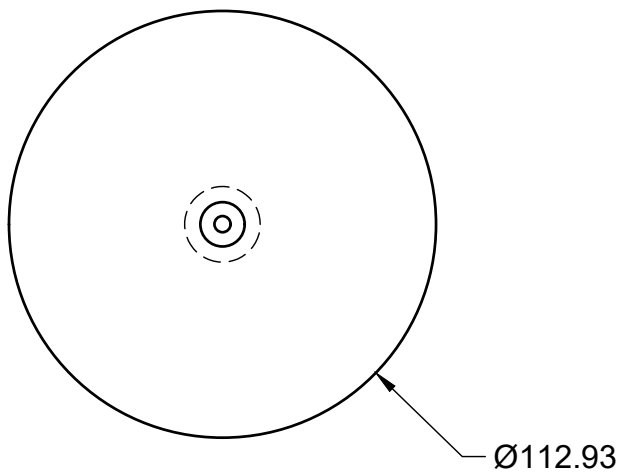
Nazifa Alam, Natasia Bowles, Josephine Flynn

2022-12-01

SCALE 1:4

WEIGHT

SHEET 1/1



PROJECT

Hardware Controller Gun Model

TITLE

Nose Cone

APPROVED

SIZE

CODE

DWG NO

REV

CHECKED

A

2

DRAWN

Nazifa Alam, Natasha Bowles, Josephine Flynn 2022-12-01

SCALE 1:2

WEIGHT

SHEET 1/1

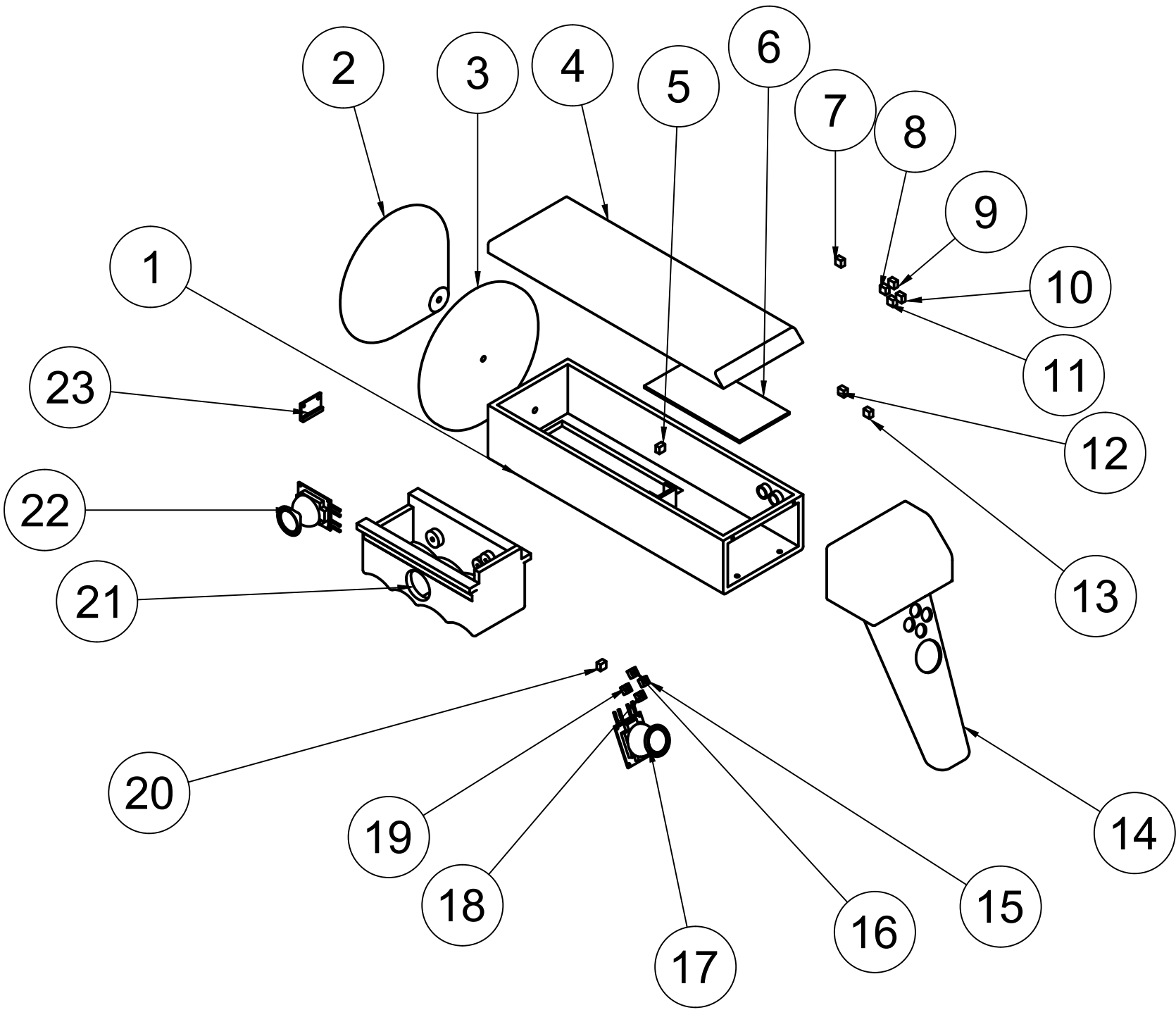
D

C

B

A

PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	1	MAIN HUB BOX		CUSTOM PBR
2	1	NOSE CONE		CUSTOM PBR
3	1	CYLINDER		CUSTOM PBR
4	1	TOP		CUSTOM PBR
5	1	BUTTON12		STEEL
6	1	LARGE ARDUINO		STEEL
7	1	BUTTON11		STEEL
8	1	BUTTON10		STEEL
9	1	BUTTON7		STEEL
10	1	BUTTON9		STEEL
11	1	BUTTON8		STEEL
12	1	BUTTON6		STEEL
13	1	BUTTON5		STEEL
14	1	BACK HANDLE (1)		STEEL
15	1	BUTTON4		STEEL
16	1	BUTTON3		STEEL
17	1	JOY STICK CAP		STEEL
18	1	BUTTON1		STEEL
19	1	BUTTON2		STEEL
20	1	BUTTON12 (1)		STEEL
21	1	HANDHOLD PIECE		CUSTOM PBR
22	1	JOYSTICK ELECTRONIC (1)		STEEL
23	1	ACCELEROMATER		STEEL
24	1	TRIGGER		CUSTOM PBR
25	1	JOYSTICK ELECTRONIC		STEEL
26	1	JOY STICK CAP (1)		STEEL
27	1	HOLDER		CUSTOM PBR
28	1	OLD VERSION OF MAIN BOX		CUSTOM PBR



		PROJECT			
		Hardware Controller Gun Model			
		TITLE			
		Exploded View			
APPROVED		SIZE	CODE	DWG NO	REV
CHECKED		C			
DRAWN		SCALE 1:4		WEIGHT	SHEET 1/1

D

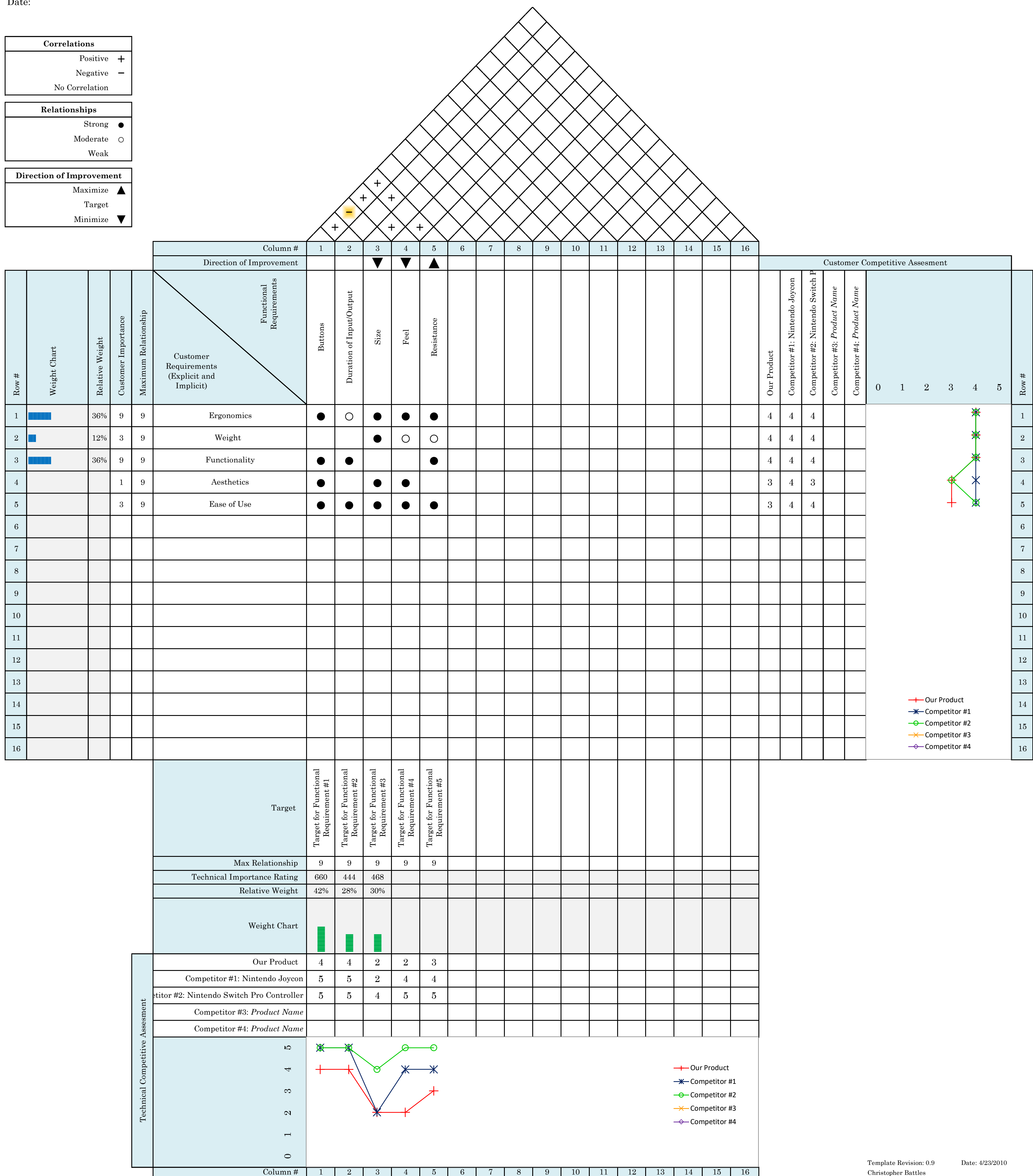
C

B

A

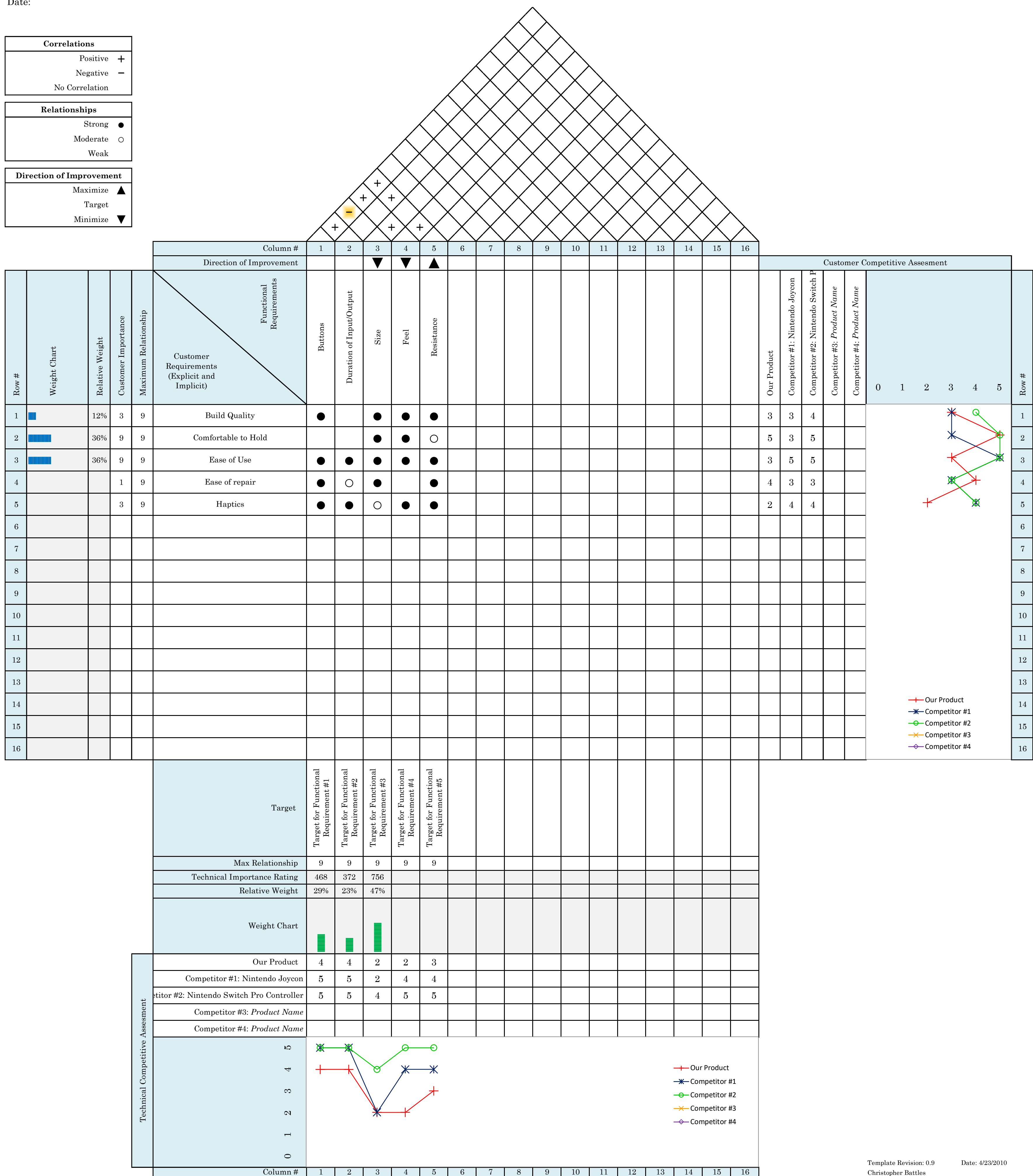
Project:
Revision:
Date:

Correlations	
Positive	+
Negative	-
No Correlation	
Relationships	
Strong	●
Moderate	○
Weak	
Direction of Improvement	
Maximize	▲
Target	
Minimize	▼



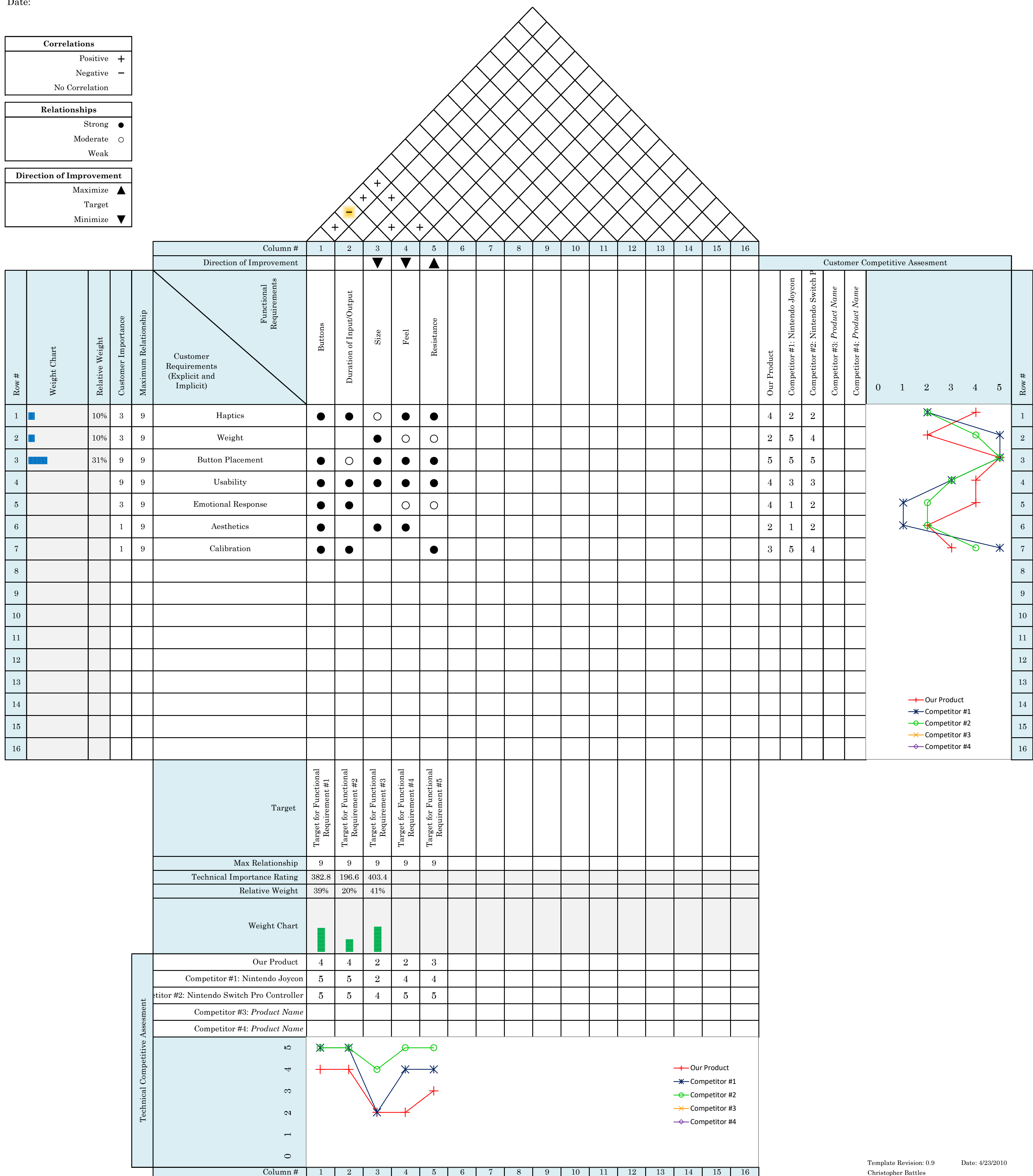
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Revision:
Date:

Correlations	
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Relationships	
Strong	●
Moderate	○
Weak	
Direction of Improvement	
Maximize	▲
Target	
Minimize	▼



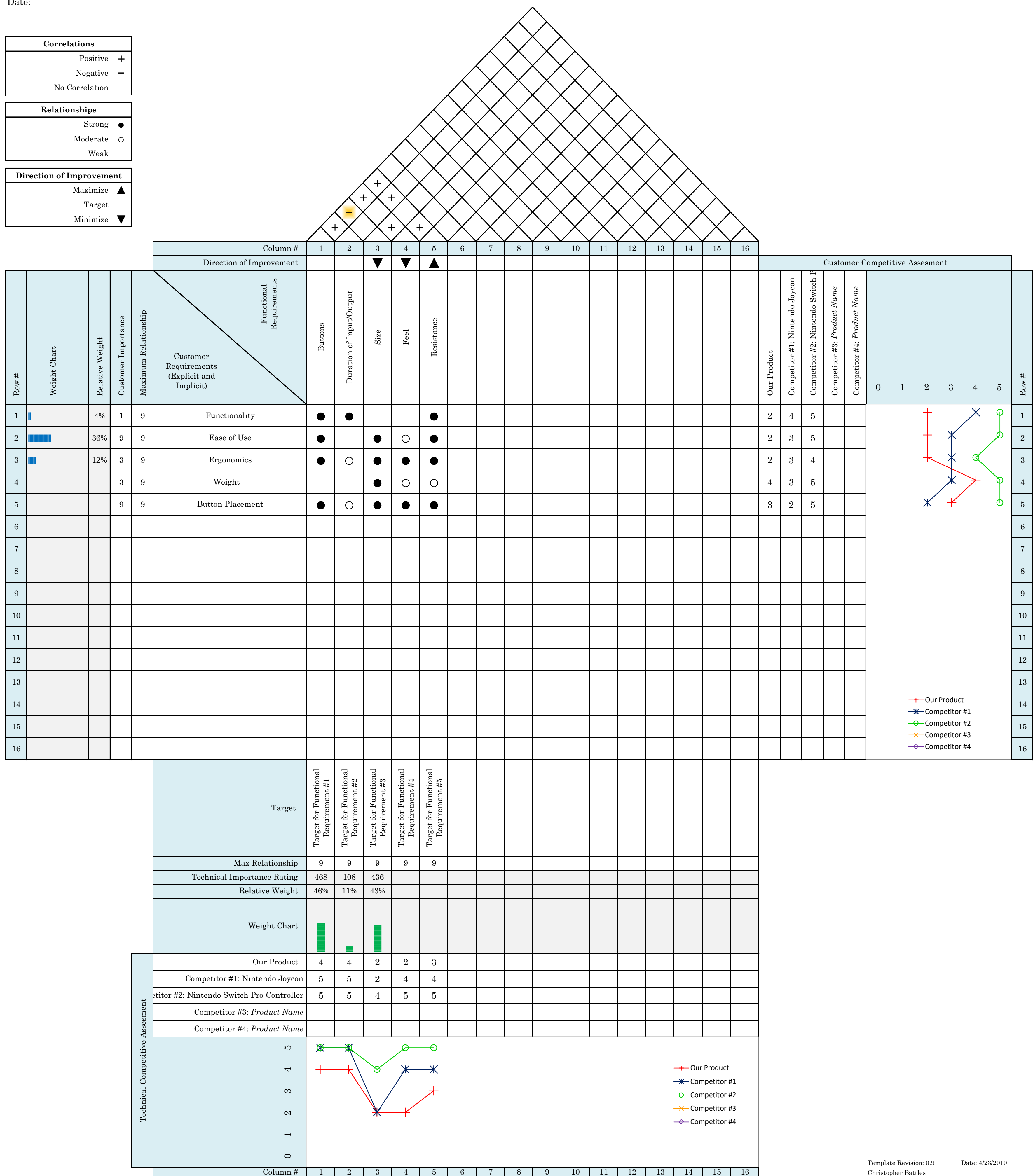
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Revision:
Date:

Correlations	
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Relationships	
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Moderate	○
Weak	
Direction of Improvement	
Maximize	▲
Target	
Minimize	▼



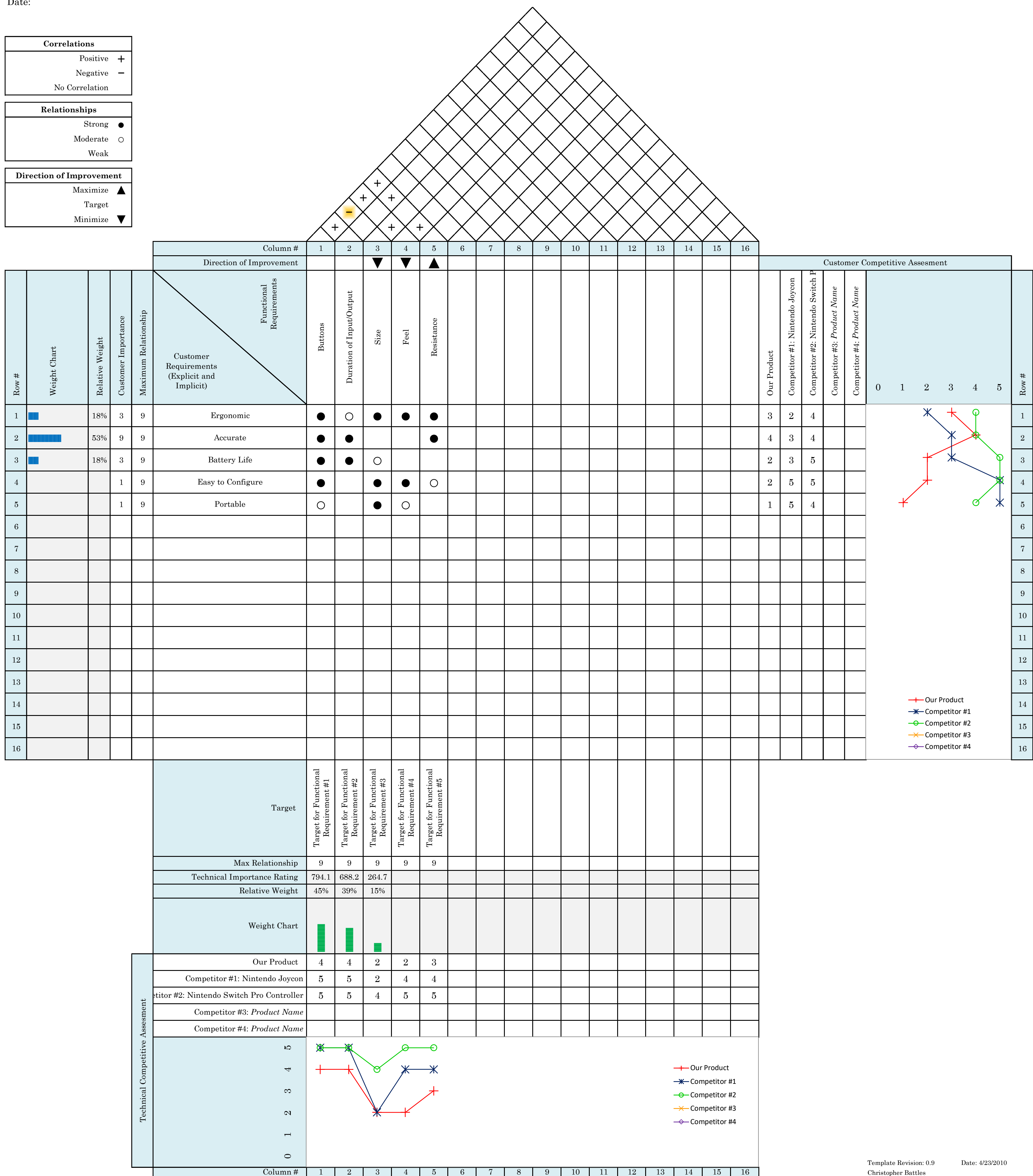
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Revision:
Date:

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Relationships	
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Moderate	○
Weak	
Direction of Improvement	
Maximize	▲
Target	
Minimize	▼



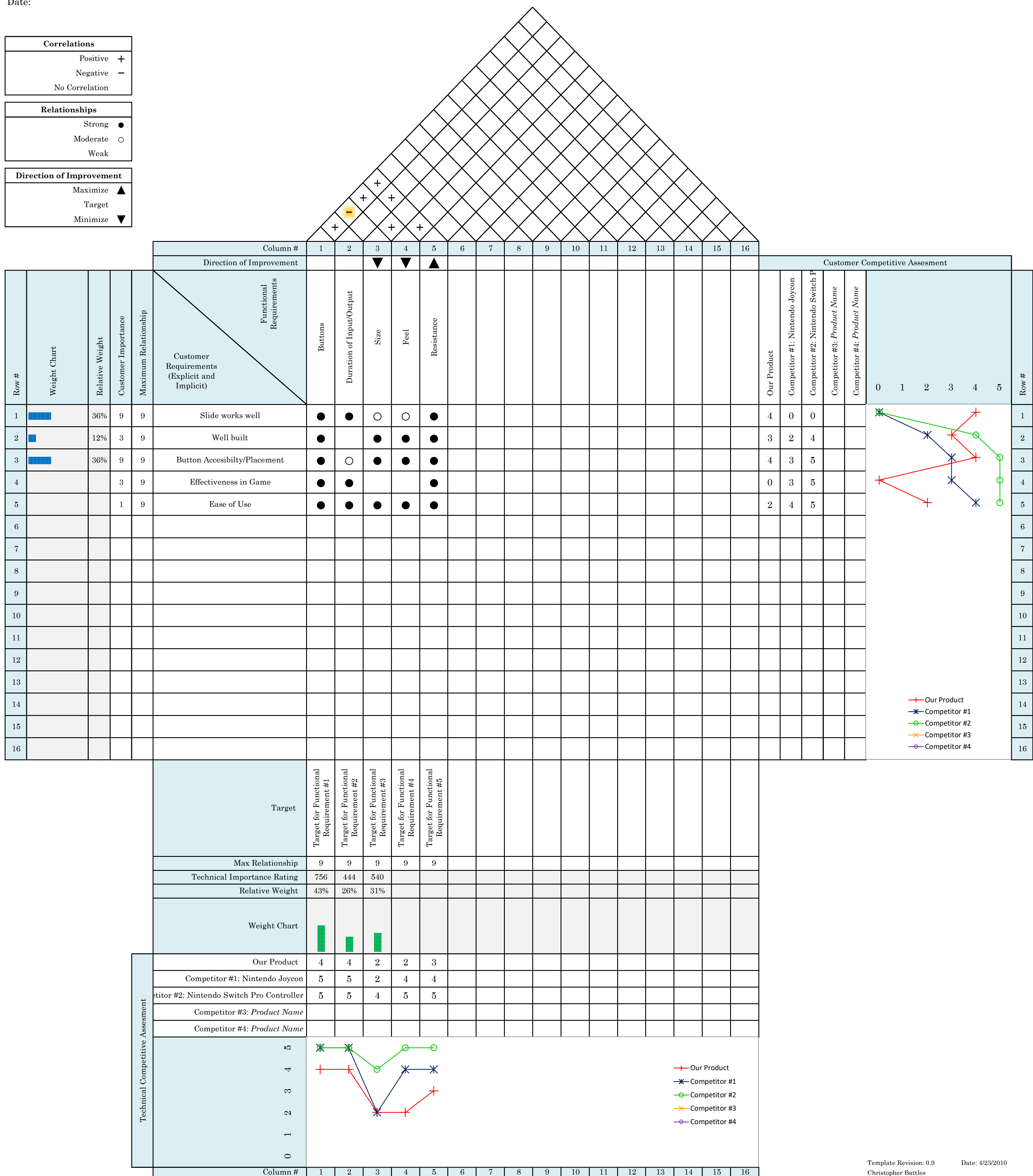
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Revision:
Date:

Correlations	
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Relationships	
Strong	●
Moderate	○
Weak	
Direction of Improvement	
Maximize	▲
Target	
Minimize	▼



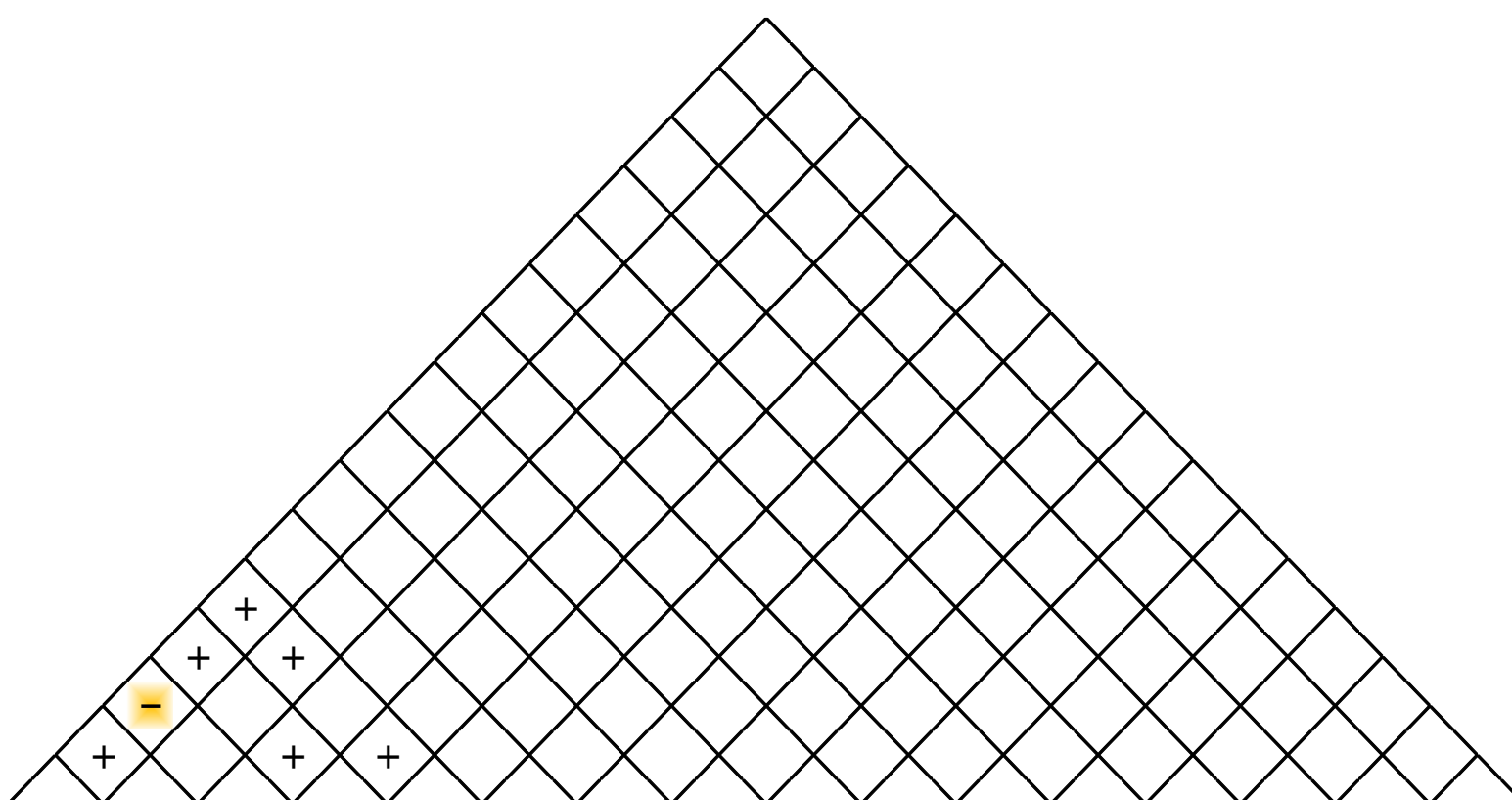
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Revision:
Date:

Correlations	
Positive	+
Negative	-
No Correlation	
Relationships	
Strong	●
Moderate	○
Weak	
Direction of Improvement	
Maximize	▲
Target	
Minimize	▼



Project:
Revision:
Date:

Correlations	
Positive	+
Negative	-
No Correlation	
Relationships	
Strong	●
Moderate	○
Weak	
Direction of Improvement	
Maximize	▲
Target	
Minimize	▼

[illegible]

Timestamp	I think that I would like to use this system	I found the system unnecessarily complex	I thought the system was easy to use	I think that I would need the support of a person to be able to use the system	I found the various functions in this system	I thought there was too much inconsistency in this system	I would imagine that most people would find the system very cumbersome to use	I found the system very easy to learn	I felt very confident using the system	I needed to learn a lot of things before I could get going with this system
	4	2	4	1	4	2	4	2	4	1
	3	3	4	1	5	1	3	1	3	2
	4	2	5	3	4	3	5	3	4	2
	3	4	4	1	4	3	3	3	4	2
	1	3	3	3	4	4	2	3	3	4
	5	2	4	1	4	2	4	3	3	1

Statement	1-2	3	4	5	6
I think that I would like to use this system	15	17	80		
I found the system unnecessarily complex	13	17	75		
I thought the system was easy to use	17	12	72.5		
I think that I would need the support of a person to be able to use the system	13	12	62.5		
I found the various functions in this system	8	8	40		
I thought there was too much inconsistency in this system	15	16	77.5		
I would imagine that most people would find the system very cumbersome to use					67.91666667
I found the system very easy to learn					
I felt very confident using the system					
I needed to learn a lot of things before I could get going with this system					