Hiearchy
1
1.1
1.2
1.2.1
1.2.2
1.2.3
1.3
2
2.1
2.2
2.2.1
2.2.2
2.2.3
2.2.4
2.2.5
2.2.6
2.2.7
2.2.8
2.2.9
2.2.10
2.3
2.4
3
3.1
3.1.1
3.2
4
4.1
4.1.2

Deliverable
Work Breakdown Structure (M.E.)
Set meeting with group
Create breakdown
Plan breakdown
Tableturize breakdown
Review breakdown
Submit breakdown
Code of Conduct
Set meeting with group
Write a code of conduct guideline
Write mission statement
Discuss and record outside obligations
Discuss and record communication expectations
Discuss and record dress code expectations
Discuss and record attendance policy (when and what happens)
Discuss and record how to notify group
Discuss and record how to respond to people in professional meeting
Write statement of understanding
Discuss and record proceedure for problem solving before contacting professor/TAs (and at what point contact is necessary)
Discuss and record how to amend code of conduct
Review code of conduct
Submit code of conduct
Sponsor Meet and Greet
Set up meeting with the project sponsor
Take proper meeting minute notes
Submit the meeting minutes
Project Charter
Determine the goals
Determine the markets

Determine the stakeholders
Organize the information in a document
Submit the document
Customer Needs
Come up with list of questions to ask customer
Set up meeting with customer
Meet with customer
Create a list of customer needs
Categorize list of needs
Create report
Review report based on rubric
Submit Report
Work Breakdown Structure (E.E.)
Set meeting with group
Review M.E. breakdown
Add missing assignments
Submit breakdown
Functional Decomposition
Break down the necessary functions
Briefly explain each function and it's importance
Organize the functions by rank
Create a graphic showing the heirarchy
Describe the graphic and the flow of the decomp.
Submit the graphic and explanation together
VDR1
Create a powerpoint presentation
Explain what has gotten done and next steps
Present the information
Targets
Discuss the targets the project must reach
Assign at least 1 target to the functions
Identify how these targets are measured
Find how the target/metric is tested

Concept Generation

Discuss what designs can help meet the goals

Create 100 possible solutions to the problem

Identify 5 Med/3 High fidelity concepts

Concept Selection

Create a House of Quality matrix using the 8 concepts

Create a Pugh Chart with them

Create an Analytical heirarchy process chart with them

Analyze the results of these tests

Select a final design and briefly explain why it was chosen

Submit the charts and relevant documents

VDR2

Create a powerpoint presentation

Provide a brief introduction to what was covered in VDR1

Explain developments with the project since then

Present the information

Risk Assessment

Meet and discuss the potential hazards associated

Find the cause of the potential danger

Discuss ways to mitigate or prevent the potential damages

Fill out the Project Hazard Assessment worksheet

Fill out the Project control worksheet

Submit the assignment

Bill of Materials

Thoroughly tally the needed materials

Identify the vendors for the materials

Evaluate both the materials and labor cost

Tabulate all the materials with the associated information

Submit the table

VDR3 Prototype

Create a powerpoint presentation

Discuss the current state of the design

Discuss a forecast for the work ahead

Discuss potential areas for problems
Organize all the information
Present the information
Team Poster
Create a poster that summarizes your project
Use the appropriate amount of text to explain key points
Use graphics that support the key points
Organize the information in a logical order
Maintain an attractive poster appearance
Present the poster information
Preliminary Detailed Design
Develop a block diagram of our system
Create requirement specifications
Gather all visuals and put them together
Draft a preleminary design report
Submit Report
Spring Project Plan
Discuss the important dates and deadlines
Create a time line to meet all deadlines

verable Work Pack

Assigned to (Team Member(s))	Status	Due Date
	100.00%	09/15/23
Jacob	100.00%	09/15/23
Christian, Nick, Jacob	100.00%	09/15/23
Christian, Nick, Jacob	100.00%	09/15/23
Christian, Nick, Jacob	100.00%	09/16/23
Nick	100.00%	09/17/23
Christian	100.00%	09/18/23
	100.00%	09/19/23
Nick	100.00%	09/16/23
Nicholas	100.00%	09/16/23
Christian	100.00%	09/16/23
Jacob	100.00%	09/16/23
Andrew	100.00%	09/16/23
Nick	100.00%	09/16/23
SirDarius	100.00%	09/16/23
Christian	100.00%	09/16/23
Nicholas	100.00%	09/16/23
Jacob	100.00%	09/16/23
Andrew	100.00%	09/16/23
SirDarius	100.00%	09/16/23
All	100.00%	09/19/23
Christian	100.00%	09/19/23
	100.00%	09/22/23
Nick	100.00%	09/22/23
Nick	100.00%	09/22/23
Jacob	100.00%	09/22/23
	100.00%	09/29/23
Nick	100.00%	09/23/23
Jacob	100.00%	09/24/23

Christian, Nicholas	**100.00%**	**09/25/23**
Andrew	**100.00%**	**09/26/23**
SirDarius	**100.00%**	**09/29/23**
	100.00%	**10/11/23**
Nick	**100.00%**	**10/08/23**
Jacob	**100.00%**	**10/08/23**
Christian	**100.00%**	**10/10/23**
Nicholas	**100.00%**	**10/10/23**
SirDarius	**100.00%**	**10/10/23**
Andrew	**100.00%**	**10/11/23**
All	**100.00%**	**10/11/23**
Christian, Jacob	**100.00%**	**10/11/23**
	100.00%	**10/11/23**
Andrew	**100.00%**	**10/03/23**
All	**100.00%**	**10/06/23**
All	**100.00%**	**10/06/23**
Nicholas	**100.00%**	**10/11/23**
	0.00%	**10/13/23**
Nick, Nicholas	**0.00%**	**10/11/23**
Nick, Nicholas	**0.00%**	**10/12/23**
Christian, Andrew	**0.00%**	**10/12/23**
Jacob, SirDarius	**0.00%**	**10/12/23**
Jacob, SirDarius	**0.00%**	**10/12/23**
Christian	**0.00%**	**10/12/23**
	0.00%	**10/17/23 & 10/20/23**
All	**0.00%**	**10/17/23 & 10/20/23**
All	**0.00%**	**10/17/23 & 10/20/23**
All	**0.00%**	**10/17/23 & 10/20/23**
	0.00%	**10/27/23**
Christian	**0.00%**	**10/27/23**
All	**0.00%**	**10/27/23**
All	**0.00%**	**10/27/23**
All	**0.00%**	**10/27/23**

	0.00%	11/03/23
All	0.00%	1027/2023
All	0.00%	11/01/23
All	0.00%	11/03/23
	0.00%	11/10/23
Nick, Andrew	0.00%	11/09/23
Christian, Nicholas	0.00%	11/09/23
Jacob, SirDarius	0.00%	11/09/23
All	0.00%	11/09/23
All	0.00%	11/09/23
Nick	0.00%	11/09/23
	0.00%	11/12/23
All	0.00%	11/11/23
All	0.00%	11/11/23
All	0.00%	11/11/23
All	0.00%	11/12/23
	0.00%	12/01/23
Jacob, Andrew	0.00%	12/01/23
Nick, Nicholas	0.00%	12/01/23
All	0.00%	12/01/23
Christian, SirDarius	0.00%	12/01/23
Jacob, Nicholas	0.00%	12/01/23
Nick	0.00%	12/01/23
	0.00%	12/01/23
Christian, SirDarius	0.00%	12/01/23
Nick, Andrew	0.00%	12/01/23
Jacob, Nicholas	0.00%	12/01/23
Christian	0.00%	12/01/23
Jacob	0.00%	12/01/23
	0.00%	12/05/23
All	0.00%	12/04/23
Nick	0.00%	12/04/23
Jacob	0.00%	12/04/23

Christian	0.00%	12/04/23
Nick	0.00%	12/04/23
All	0.00%	12/05/23
	0.00%	12/08/23
Christian	0.00%	12/07/23
Jacob	0.00%	12/07/23
Nick	0.00%	12/07/23
Nick	0.00%	12/07/23
Christian	0.00%	12/07/23
Christian, Jacob, Nick	0.00%	12/08/23
	0.00%	12/08/23
All	0.00%	12/04/23
All	0.00%	12/05/23
Nicholas	0.00%	12/05/23
Andrew	0.00%	12/06/23
SirDarius	0.00%	12/08/23
	0.00%	12/10/23
Nick	0.00%	12/07/23
Christian	0.00%	12/09/23