WORK BREAKDOWN STRUCTURE (WBS)

WORK BREAKDOWN STRUCTURE (WBS)

BREGGHAN POINT OF SALE SYSTEM

BREGGHAN MINI GROCERY STORE
MT. MAKILING STREET
MAKATI CITY, 1201

DATE
MAY 3, 2023

INTRODUCTION

The WBS is a view into the project which shows what work the project encompasses. It is a tool which helps to easily communicate the work and processes involved to execute the project. The Project Manager and project team use the WBS to develop the project schedule, resource requirements and costs. There are many ways you can present the WBS for your project; this template provides many of the most popular layouts from which you can choose. Depending on where in the Project Plan you're putting the WBS a different layout may be more suitable for you.

The Work Breakdown Structure presented here represents all the work required to complete this project.

OUTLINE VIEW

The outline view presents an easy to view and understand layout for the WBS. It is also a good layout to use when developing the WBS because you can easily make changes, especially since the Microsoft Word auto numbering feature updates the WBS Code automatically.

1. Bregghan Point of Sale System
    - 1.1 Planning
        - 1.1.1 Creation of Project Groups
        - 1.1.2 Choosing of Client
        - 1.1.3 Choosing Adviser/Consultant
        - 1.1.4 Design Thinking 1
    - 1.2 Chapter 1,2,3,4,5
        - 1.2.1 Introduction
        - 1.2.2 Review of Related Literatures
        - 1.2.3 Technical Background
        - 1.2.4 Methodologies
        - 1.2.5 Result and Discussions
        - 1.2.6 Meeting the Adviser I
        - 1.2.7 Meeting with Adviser II
        - 1.2.8 Paper Consultation
    - 1.3 Midterm Sprint 1
        - 1.3.1 Comments Matrix
        - 1.3.2 Finalized Comments Matrix
        - 1.3.3 Progression of Chapter 1,2,3
        - 1.3.4 Meeting with Adviser SOP Progression
        - 1.3.5 Project Consultation

1.4 Finals Sprint 2
1.4.1 Updated Comments Matrix
1.4.2 Comments Matrix and Final Presentation
1.5 Project Analysis and Designs (MYSADD)
1.5.1 Software Design
1.5.2 Diagram Creation 1
1.5.2.1 Creation of class and object diagram
1.5.2.2 Creation of Event Table
1.5.2.3 Creation of Use Case Diagrams
1.5.2.4 Creation of Use Case Description
1.5.2.5 Meeting with Adviser
1.5.2.6 Midterm Presentation Sprint 3
1.5.2.7 Comments Matrix
1.5.2.8 Creation of Low and High Fidelity Prototype
1.5.2.9 Creation of Prototype
1.5.3 Diagram Creation 2
1.5.3.1 DFD/ERD
1.5.3.2 Creation of State Machine Diagram
1.5.3.3 Creation of Sequence Diagram
1.5.3.4 Creation of Class Diagrams
1.5.3.5 Creation of Deployment Diagram
1.5.3.6 Creation of Component and Deployment Diagram
1.5.4 Finals Presentation Sprint 4
1.5.4.1 Group Meeting Paper Update
1.5.4.2 Re Defense Presentation
1.5.4.3 Finals Comments Matrix
1.6 Project Development and Modelling (MCSPROJ)
1.6.1 Creation of Statement of Work
1.6.2 Creation of POS System (Dashboard)
1.6.3 Creation of Sales Report
1.6.4 Creation of Login Page
1.6.5 Creation of Admin System
1.6.6 Creation of Project Charter
1.6.7 Vision and Mission
1.6.8 Creation of Improvement Matrix
1.6.9 Creation of Gantt Chart POD
1.6.10 Meeting with Adviser
1.7 Midterm Presentation Sprint 5
1.7.1 Revision of Paper
1.7.2 Creation of Test Case

1.7.3 Creation of User Reviews
1.7.4 Meeting with Adviser
1.7.5 Creation of Change Management Plan
1.7.6 Completion of Prototype
1.8 Finals Presentation Sprint 6
1.8.1 Improvement Matrix
1.8.2 Debugging of Prototype
1.8.3 Revision of Improvement Matrix
1.8.4 Revision of ERD
1.8.5 Revision of Class, Object, Diagrams
1.8.6 Finals ReShow Presentation

HIERARCHICAL STRUCTURE

The hierarchal structure is similar to the outline view but without indentation. The hierarchal structure is similar to the outline view but without indentation. This is divided using level, WBS Code and Element Name.

Level	WBS Code	Element Name
1	1	Bregghan Point of Sale System
2	1.1	Planning (MNTSDEV)
3	1.1.1	Creation of Project Groups
3	1.1.2	Choosing of Client
3	1.1.3	Choosing of Adviser/Consultant
3	1.1.4	Design Thinking 1
2	1.2	Chapter 1,2,3,4,5
3	1.2.1	Introduction
3	1.2.2	Review of Related Literature
3	1.2.3	Technical Background
3	1.2.4	Methodologies
3	1.2.5	Result and Discussions
3	1.2.6	Meeting with Adviser I
3	1.2.7	Meeting with Adviser 2
3	1.2.8	Paper Consultation
2	1.3	Midterm Sprint 1
3	1.3.1	Comments Matrix
3	1.3.2	Finalized Comments Matrix
3	1.3.3	Progression of Chapter 1,2,3
3	1.3.4	Meeting with Adviser SOP Progression
3	1.3.5	Project Consultation
2	1.4	Finals Sprint 2
3	1.4.1	Updated Comments Matrix
3	1.4.2	Comments Matrix and Final Presentation
2	1.5	Project Analysis and Designs (MYSADD)
3	1.5.1	Software Design
3	1.5.2	Diagram Creation 1
4	1.5.2.1	Creation of Class and Object Diagram
4	1.5.2.2	Creation of Event Table
4	1.5.2.3	Creation of Use Case Diagram
4	1.5.2.4	Creation of Use Case Description
4	1.5.2.5	Meeting with Adviser
4	1.5.2.6	Midterm Presentation Sprint 3
4	1.5.2.7	Comments Matrix
4	1.5.2.8	Creation of Low and High Fidelity
4	1.5.2.9	Creation of Prototype
3	1.5.3	Diagram Creation 2

4	1.5.3.1	DFD/ERD
4	1.5.3.2	Creation of State Machine Diagram
4	1.5.3.3	Creation of Sequence Diagram
4	1.5.3.4	Creation of Class Diagrams
4	1.5.3.5	Creation of Deployment Diagram
4	1.5.3.6	Creation of Component and Deployment Diagram
3	1.5.4	Finals Presentation Sprint 4
4	1.5.4.1	Group Meeting Paper Update
4	1.5.4.2	Re Defense Presentation
4	1.5.4.3	Finals Comments Matrix
2	1.6	Project Development and Modelling (MCSPORJ)
3	1.6.1	Creation of Statement of Work
3	1.6.2.	Creation of POS System (Dashboard)
3	1.6.3	Creation of Sales Report
3	1.6.4	Creation of Login Page
3	1.6.5	Creation of Admin System
3	1.6.6	Creation of Project Charter
3	1.6.7	Vision and Mission
3	1.6.8	Creation of Improvement Matrix
3	1.6.9	Creation of Gantt Chart POD
3	1.6.10	Meeting with Adviser
2	1.7	Midterm Presentation Sprint 5
3	1.7.1	Revision of Paper
3	1.7.2	Creation of Test Case
3	1.7.3	Creation of User Reviews
3	1.7.4	Meeting with Adviser
3	1.7.5	Creation of Change Management Plan
3	1.7.6	Completion of Prototype
2	1.8	Finals Presentation Sprint 6
3	1.8.1	Improvements Matrix
3	1.8.2	Debugging of Prototype
3	1.8.3	Revision of Improvement Matrix
3	1.8.4	Revision of ERD
3	1.8.5	Revision of Class, Object, Diagrams
3	1.8.6	Finals Reshow Presentation

TABULAR VIEW

The Tabular View is a nicely organized table view of the WBS.

Level 1	Level 2	Level 3	
1. Bregghan Point of Sale System	1.1 Planning (MNTSDEV)	1.1.1 Creation of Project Groups 1.1.2 Choosing of Client 1.1.3 Choosing of Adviser/Consultant 1.1.4 Design Thinking 1	

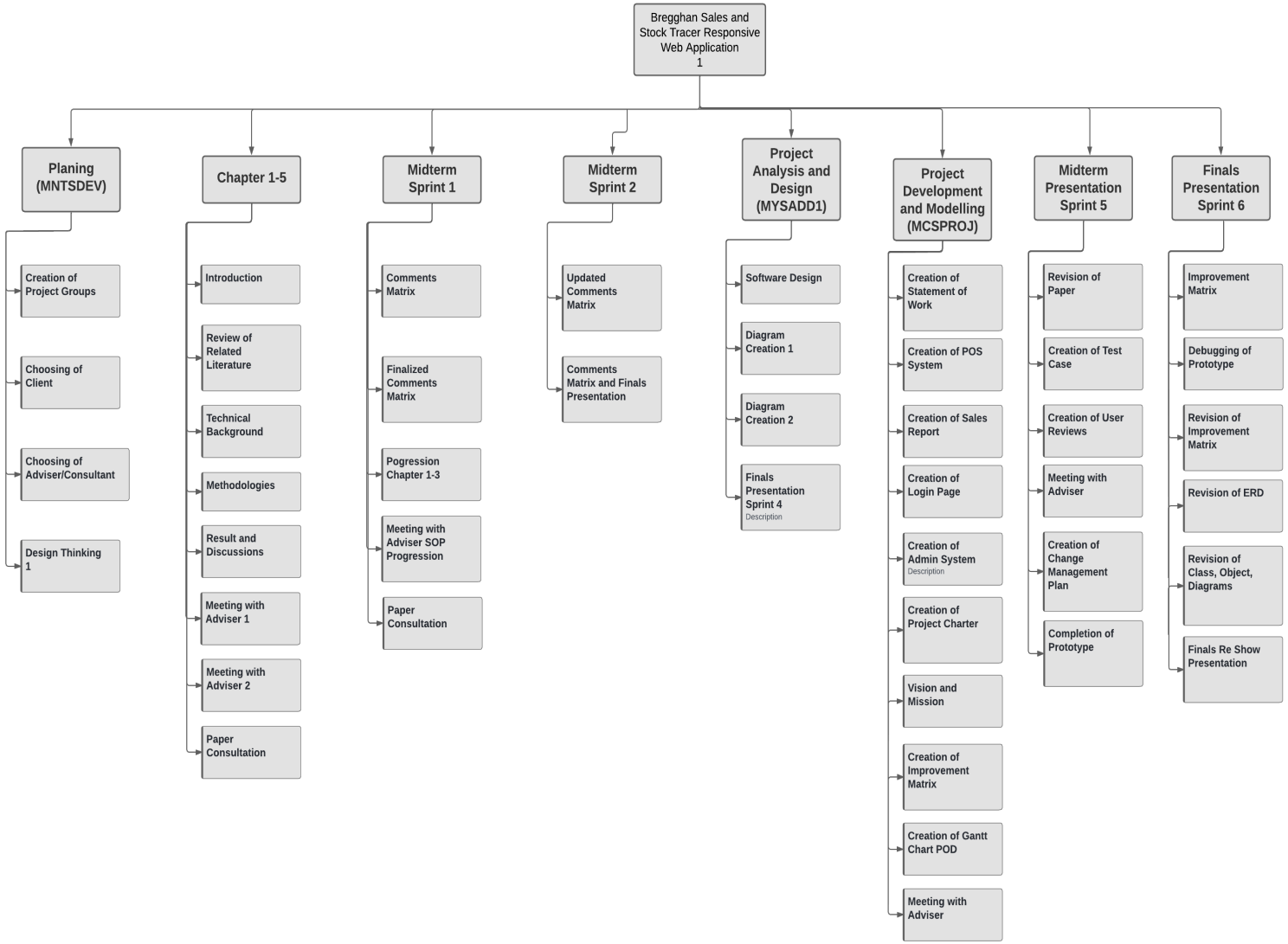
	1.2 Chapter 1,2,3,4,5	1.2.1 Introduction 1.2.2 Review of Related Literature 1.2.3 Technical Background 1.2.4 Methodologies 1.2.5 Result and Discussions 1.2.6 Meeting with Adviser 1 1.2.7 Meeting with Adviser 2 1.2.8 Paper Consultation	
	1.3 Midterm Sprint 1	1.3.1 Comments Matrix 1.3.2 Finalized Comments Matrix 1.3.3 Progression of Chapter 1,2,3 1.3.4 Meeting with Adviser SOP Progression 1.3.5 Project Consultation	
	1.4 Finals Sprint 2	1.4.1 Updated Comments Matrix 1.4.2 Comments Matrix and Finals Presentation	
	1.5 Project Analysis and Design (MYSADD1)	1.5.1 Software Design	
		1.5.2 Diagram Creation 1	1.5.2.1 Creation of lass and Object Diagram 1.5.2.2 Creation of Event Table 1.5.2.3 Creation of Use Case Diagram 1.5.2.4 Meeting with Adviser 1.5.2.5 Midterm Presentation Sprint 3 1.5.2.6 Comments Matrix 1.5.2.7 Creation of Prototype

		1.5.3 Diagram Creation 2	1.5.3.1 DFD/ERD 1.5.3.2 Creation of State Machine Diagram 1.5.3.3 Creation of Sequence Diagram 1.5.3.4 Creation of Class Diagrams 1.5.3.5 Creation of Deployment Diagra 1.5.3.6 Creation of Component and Deployment Diagram
		1.5.4 Finals Presentation Sprint 4	1.5.4.1 Group Meeting Paper Update 1.5.4.2 Re Defense Presentation 1.5.4.3 Finals Comments Matrix
	1.6 Project Development and Modelling (MCSPROJ)	1.6.1 Creation of Statement of Work 1.6.2 Creation of POS System 1.6.3 Creation of Sales Report 1.6.4 Creation of Login Page 1.6.5 Creation of Admin System 1.6.6 Creation of Project Charter 1.6.7 Vision and Mission 1.6.8 Creation of Improvement Matrix 1.6.9 Creation of Gantt Chart POD 1.6.10 Meeting with Adviser	
	1.7 Midterm Presentation Sprint 5	1.7.1 Revision of Paper 1.7.2 Creation of Test Case 1.7.3 Creation of User Reviews 1.7.4 Meeting with Adviser 1.7.5 Creation of Change Management Plan 1.7.6 Completion of Prototype	

	1.8 Finals Presentation Sprint 6	1.8.1 Improvement Matrix 1.8.2 Debugging of Prototype 1.8.3 Revision of Improvement Matrix 1.8.4 Revision of ERD 1.8.5 Revision of Class, Object, Diagrams 1.8.6 Finals Re Show Presentation	

TREE STRUCTURE VIEW

The Tree Structure View is the most popular format for the WBS. It presents an easy to understand view into the WBS; however, it is also tricky to create without an application specifically designed for creating this organizational chart structure. The Tree Structure below was created using only Microsoft Word and the SmartArt graphics option under the insert menu.


Bregghan Sales and Stock Tracer Responsive Web Application 1
Planing (MNTSDEV)
Creation of Project Groups
Choosing of Client
Choosing of Adviser/Consultant
Design Thinking 1
Chapter 1-5
Introduction
Review of Related Literature
Technical Background
Methodologies
Result and Discussions
Meeting with Adviser 1
Meeting with Adviser 2
Paper Consultation
Midterm Sprint 1
Comments Matrix
Finalized Comments Matrix
Pogression Chapter 1-3
Meeting with Adviser SOP Progression
Paper Consultation
Midterm Sprint 2
Updated Comments Matrix
Comments Matrix and Finals Presentation
Project Analysis and Design (MYSADD1)
Software Design
Diagram Creation 1
Diagram Creation 2
Finals Presentation Sprint 4
Description
Project Development and Modelling (MCSPROJ)
Creation of Statement of Work
Creation of POS System
Creation of Sales Report
Creation of Login Page
Creation of Admin System
Description
Creation of Project Charter
Vision and Mission
Creation of Improvement Matrix
Creation of Gantt Chart POD
Meeting with Adviser
Midterm Presentation Sprint 5
Revision of Paper
Creation of Test Case
Creation of User Reviews
Meeting with Adviser
Creation of Change Management Plan
Completion of Prototype
Finals Presentation Sprint 6
Improvement Matrix
Debugging of Prototype
Revision of Improvement Matrix
Revision of ERD
Revision of Class, Object, Diagrams
Finals Re Show Presentation

WBS DICTIONARY

The WBS Dictionary contains all the details of the WBS which are necessary to successfully complete the project. Most importantly it contains a definition of each Work Package which can be thought of as a mini scope statement. Resources on the project will look at the WBS dictionary to determine the scope of the Work Package they've been assigned, so it's important to be clear when writing the definition. Most WBS dictionaries contain more information than we show in our sample.

Level	WBS Code	Element Name	Definition
1	1	Bregghan Point of Sale System	Proposed System
2	1.1	Planning (MNTSDEV)	Overview of what's the objectives in the subject
3	1.1.1	Creation of Project Groups	Formation of group that will work on the project
3	1.1.2	Choosing of Client	Choosing of a real client that the group will work on
3	1.1.3	Choosing of Adviser/Consultant	Choosing of adviser that will guide the group in the whole duration of the project
3	1.1.4	Design Thinking 1	Understanding the needs of the Client
2	1.2	Chapter 1,2,3,4,5	Identifying what is the problem and what could be the solution
3	1.2.1	Introduction	Who is the client and what project will be proposed
3	1.2.2	Review of Related Literature	Reference guide for the project and identifying how the project will be unique
3	1.2.3	Technical Background	What software and hardware will be used
3	1.2.4	Methodologies	Agile Methodology
3	1.2.5	Result and Discussions	Interpretations and implications
3	1.2.6	Meeting with Adviser 1	First meeting with adviser
3	1.2.7	Meeting with Adviser 2	Second meeting with adviser
3	1.2.8	Paper Consultation	Presentation of chapters 1-5 to professor
2	1.3	Midterm Sprint 1	Focus on fixing deliverables
3	1.3.1	Comments Matrix	Preparation of midterm deliverables
3	1.3.2	Finalized Comments Matrix	Improve parts in the paper
3	1.3.3	Progression of Chapter 1,2,3	Polishing of problem and solution
3	1.3.4	Meeting with Adviser SOP Progression	Third meeting with adviser
3	1.3.5	Project Consultation	Checking of MNTSDEV Deliverables
2	1.4	Finals Sprint 2	Polishing of MNTSDEV deliverables
3	1.4.1	Updated Comments Matrix	Improve specific parts of the paper

3	1.4.2	Comments Matrix and Final Presentation	Documentation of suggestions and comments of panelists.
2	1.5	Project Analysis and Designs (MYSADD)	MYSADD Deliverables
3	1.5.1	Software Design	Designing of UI/UX of the project
3	1.5.2	Diagram Creation 1	Creation of diagrams for better vision of the project
4	1.5.2.1	Creation of Class and Object Diagram	Creation of MYSADD Diagrams deliverables
4	1.5.2.1	Creation of Event Table	Creation of MYSADD Diagrams deliverables
4	1.5.2.2	Creation of Use Case Diagram	Creation of MYSADD Diagrams deliverables
4	1.5.2.3	Creation of Use Case Description	Creation of MYSADD Diagrams deliverables
4	1.5.2.4	Meeting with Adviser	Fourth meeting with Adviser
4	1.5.2.5	Midterm Presentation Sprint 3	Presentation of MYSADD midterm deliverables
4	1.5.2.6	Comments Matrix	Improve the deliverables with the comments of the panelists
4	1.5.2.6	Creation of Low and High Fidelity	Creation of UI/UX
4	1.5.2.7	Creation of Prototype	Creation of working prototype using figma
3	1.5.3	Diagram Creation 2	Finals deliverables for MYSADD
4	1.5.3.1	DFD/ERD	Creation of MYSADD Diagrams deliverables
4	1.5.3.2	Creation of State Machine Diagram	Creation of MYSADD Diagrams deliverables
4	1.5.3.3	Creation of Sequence Diagram	Creation of MYSADD Diagrams deliverables
4	1.5.3.4	Creation of Class Diagrams	Creation of MYSADD Diagrams deliverables
4	1.5.3.5	Creation of Deployment Diagram	Creation of MYSADD Diagrams deliverables
4	1.5.3.6	Creation of Component and Deployment Diagram	Creation of MYSADD Diagrams deliverables
3	1.5.4	Finals Presentation Sprint 4	Presentation of midterm and finals deliverables

4	1.5.4.1	Group Meeting Paper Update	Improve paper by the suggestion of the panelists
4	1.5.4.2	Re Defense Presentation	Presentation of midterm and finals deliverables
4	1.5.4.3	Finals Comments Matrix	Document the comments and suggestion of panelist and apply to paper
2	1.6	Project Development and Modelling (MCSPORJ)	Start of the creation of the system
3	1.6.1	Creation of Statement of Work	Creation of MCSPROJ Diagrams deliverables
3	1.6.2.	Creation of POS System (Dashboard)	Creation of the internal POS for the Client
3	1.6.3	Creation of Sales Report	Creation of rales report for the admin who will use the system
3	1.6.4	Creation of Login Page	Creation of login page for both admin and cashier users of the system
3	1.6.5	Creation of Admin System	Creation of the features that is only for admin
3	1.6.6	Creation of Project Charter	Creation of MCSPROJ Diagrams deliverables
3	1.6.7	Vision and Mission	Creation of MCSPROJ Diagrams deliverables
3	1.6.8	Creation of Improvement Matrix	Creation of MCSPROJ Diagrams deliverables
3	1.6.9	Creation of Gantt Chart POD	Using of project libre as a guide for the timeline of the project
3	1.6.10	Meeting with Adviser	Fifth meeting with adviser
2	1.7	Midterm Presentation Sprint 5	Presentation of midterm deliverables of MYSADD1
3	1.7.1	Revision of Paper	Revision of parts in the paper that needs to be improved
3	1.7.2	Creation of Test Case	Creation of MCSPROJ Diagrams deliverables
3	1.7.3	Creation of User Reviews	Creation of MCSPROJ Diagrams deliverables
3	1.7.4	Meeting with Adviser	Sixth meeting with the adviser
3	1.7.5	Creation of Change Management Plan	Creation of MCSPROJ Diagrams deliverables
3	1.7.6	Completion of Prototype	Completion of the working prototype

2	1.8	Finals Presentation Sprint 6	Finals deliverables for MYSADD1
3	1.8.1	Improvements Matrix	Document the improvements in the deliverables
3	1.8.2	Debugging of Prototype	Identifying of errors and malfunctions in the system
3	1.8.3	Revision of Improvement Matrix	Updated improvement of the deliverables
3	1.8.4	Revision of ERD	Revision of MCSPROJ Diagrams deliverables
3	1.8.5	Revision of Class, Object, Diagrams	Revision of MCSPROJ Diagrams deliverables
3	1.8.6	Finals Reshow Presentation	Final presentation of the paper and the full run of the system

GLOSSARY OF TERMS

Level of Effort: Level of Effort (LOE) is how much work is required to complete a task.

WBS Code: A unique identifier assigned to each element in a Work Breakdown Structure for the purpose of designating the elements hierarchical location within the WBS.

WBS Level: The WBS is organized into different levels, each level presents specific detail of the project