

## **WORK BREAKDOWN STRUCTURE (WBS)**

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**BREGGHAN POINT OF SALE SYSTEM**

**BREGGHAN MINI GROCERY STORE**

**MT. MAKILING STREET**

**MAKATI CITY, 1201**

**DATE**

**MAY 3, 2023**

## **INTRODUCTION**

The Work Breakdown Structure (WBS) is a vital project management tool that offers a structured method for organizing and overseeing project deliverables, tasks, and subtasks. This introductory section seeks to provide a thorough understanding of the WBS, its objectives, and the advantages it offers in project planning and execution. The main goal of introducing the WBS is to establish a shared understanding among stakeholders, project managers, and team members regarding the importance of the WBS. It highlights the significance of developing a well-organized WBS, which acts as a guide for achieving project success.

## **OUTLINE VIEW**

The Outline view in a Work Breakdown Structure (WBS) presents a hierarchical depiction of the project's deliverables, tasks, and subtasks. It provides a structured and systematic approach to dividing the project scope into manageable parts, enhancing the ability to plan, track, and manage the project effectively.

### **1. Bregghan Point of Sale System**

#### **1.1 Project Initiation**

- 1.1.1 Business Case
- 1.1.2 Feasibility Study
- 1.1.3 Project Charter
- 1.1.4 Identify Stakeholders
- 1.1.5 Final Review

#### **1.2 Project Planning and Preparation**

- 1.2.1 Project Description
- 1.2.2 Cost Management Plan
- 1.2.3 Schedule Management Plan
- 1.2.4 Scope Management Plan

#### **1.3 Phase I: Analysis**

- 1.3.1 Project Risk Analysis
- 1.3.2 Cost Benefit Analysis

#### **1.4 Phase II: Design and Development**

- 1.4.1 Admin System
  - 1.4.1.1 Admin Log-in
  - 1.4.1.2 Admin Home Page
  - 1.4.1.3 Inventory
  - 1.4.1.4 Transactions
  - 1.4.1.5 Analytics Report

- 1.4.2 Point of Sale System
  - 1.4.2.1 Cashier Log-in
  - 1.4.2.2 Home Screen
  - 1.4.2.3 Checkout Screen
  - 1.4.2.4 Generate Receipt

### **1.5 Phase III: Testing**

- 1.5.1 Requirements Analysis
- 1.5.2 Test Planning
- 1.5.3 Test Design
- 1.5.4 Test Execution
- 1.5.5 Test Evaluation
- 1.5.6 System Integration Testing
- 1.5.7 User Acceptance Testing
- 1.5.8 System Testing

### **1.6 Phase IV: Implementation**

- 1.6.1 Deployment Planning
- 1.6.2 Installation
- 1.6.3 Data Migration
- 1.6.4 User Training
- 1.6.5 Monitor Progress
- 1.6.6 Post Implementation Review

### **1.7 Project Closeout/Completion**

- 1.7.1 Finalize Project Deliverables
- 1.7.2 Confirm Project Completion
- 1.7.3 Review All Contracts
- 1.7.4 Review Documentation

## HIERARCHICAL STRUCTURE

The hierarchical structure shares similarities with the outline view, but it does not include indentation. Instead, it utilizes levels, WBS Code, and Element Name to divide and classify the components.

Level	WBS Code	Element Name
1	1	Bregghan Point of Sale System
2	1.1	Project Initiation
3	1.1.1	Business Case
3	1.1.2	Feasibility Study
3	1.1.3	Project Charter
3	1.1.4	Identify Stakeholders
3	1.1.5	Final Review
2	1.2	Project Planning and Preparation
3	1.2.1	Project Description
3	1.2.2	Cost Management Plan
3	1.2.3	Schedule Management Plan
3	1.2.4	Scope Management Plan
2	1.3	Phase I: Analysis
3	1.3.1	Project Risk Analysis
3	1.3.2	Cost Benefit Analysis
2	1.4	Phase II: Design and Development
3	1.4.1	Admin System
4	1.4.1.1	Admin Log-in
4	1.4.1.2	Admin Home Page
4	1.4.1.3	Inventory
4	1.4.1.4	Transactions
4	1.4.1.5	Analytics Report
3	1.4.2	Point of Sale System
4	1.4.2.1	Cashier Log-in
4	1.4.2.2	Home Screen
4	1.4.2.3	Checkout Screen
4	1.4.2.4	Generate Receipt
2	1.5	Phase III: Testing

3	1.5.1	Requirement Analysis
3	1.5.2	Test Planning
3	1.5.3	Test Design
3	1.5.4	Test Execution
3	1.5.5	Test Evaluation
3	1.5.6	System Integration Testing
3	1.5.7	User Acceptance Testing
3	1.5.8	System Testing
2	1.6	Phase IV: Implementation
3	1.6.1	Deployment Planning
3	1.6.2	Installation
3	1.6.3	Data Migration
3	1.6.4	User Training
3	1.6.5	Monitor Progress
3	1.6.6	Post Implementation Review
2	1.7	Project Closeout/Completion
3	1.7.1	Finalize Project Deliverables
3	1.7.2	Confirm Project Completion
3	1.7.3	Review All Contracts
3	1.7.4	Review Documentation

## TABULAR VIEW

The tabular view in a Work Breakdown Structure (WBS) presents the project's deliverables, tasks, and subtasks in a structured table format. It provides a clear and organized representation of the project's breakdown, allowing for easy tracking, analysis, and management of project components.

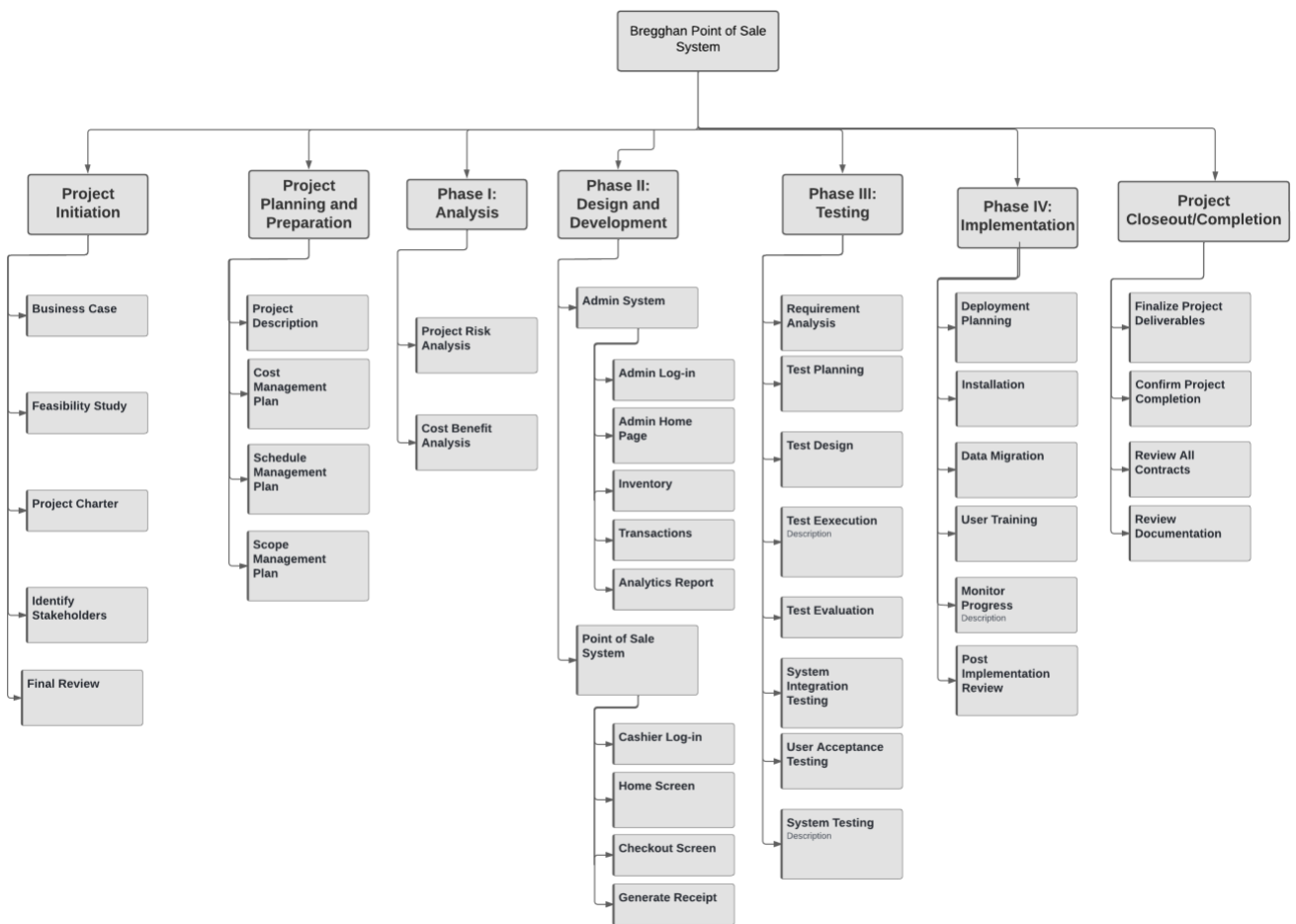
Level 1	Level 2	Level 3	
1. Bregghan Point of Sale System	1.1 Project Initiation	1.1.1 Business Case 1.1.2 Feasibility Study 1.1.3 Project Charter 1.1.4 Identify Stakeholders 1.1.5 Final Review	

	1.2 Project Planning and Preparation	1.2.1 Project Description 1.2.2 Cost Management Plan 1.2.3 Schedule Management Plan 1.2.4 Scope Management Plan	
	1.3 Phase I: Analysis	1.3.1 Project Risk Analysis 1.3.2 Cost Benefit Analysis	
	1.4 Phase II: Design and Development	1.4.1 Admin System  1.4.2 Point of Sale System	1.4.1.1 Admin Log-in 1.4.1.2 Inventory 1.4.1.3 Admin Home Page 1.4.1.4 Inventory 1.4.1.5 Transaction  1.4.2.1 Cashier Log-in 1.4.2.2 Home Screen 1.4.2.3 Checkout Screen 1.4.2.4 Generate Receipt
	1.5 Phase III: Testing	1.5.1 Requirement Analysis 1.5.2 Test Planning 1.5.3 Test Design 1.5.4 Test Execution 1.5.5 Test Evaluation 1.5.6 System Integration Testing 1.5.7 User Acceptance Testing 1.5.8 System Testing	
	1.6 Phase IV: Implementation	1.6.1 Deployment Planning 1.6.2 Installation 1.6.3 Data Migration 1.6.4 User Training 1.6.5 Monitor Progress 1.6.6 Post Implementation Review	

	1.7	1.7.1 Finalize Project Deliverables 1.7.2 Confirm Project Completion 1.7.3 Review All Contracts 1.7.4 Review Documentation	
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## TREE STRUCTURE VIEW

The tree structural view in a Work Breakdown Structure (WBS) illustrates the project's scope, tasks, and subtasks using a hierarchical tree format. It visually depicts the project's decomposition into smaller elements, showcasing the connections and dependencies between different levels of the WBS.



## WBS DICTIONARY

A WBS Dictionary, also known as a Work Breakdown Structure Dictionary, is a document that contains in-depth information about the elements listed in a Work Breakdown Structure (WBS). It complements the WBS by providing additional details, descriptions, and specifications for each element. The WBS Dictionary includes essential information such as WBS codes, names, and descriptions. It serves as a valuable resource for project teams, stakeholders, and other involved parties, ensuring a shared understanding of the project's work breakdown structure and its associated components.

Level	WBS Code	Element Name	Description
1	1	Bregghan Point of Sale System	
2	1.1	Project Initiation	Define project objectives, scope, and stakeholders
3	1.1.1	Business Case	Why the project should be pursued
3	1.1.2	Feasibility Study	Analyze the project's potential
3	1.1.3	Project Charter	Define the purpose, objectives, and scope of the project
3	1.1.4	Identify Stakeholders	Determine the people or groups from whom the project will benefit
3	1.1.5	Final Review	Final review before proceeding to the next phase
2	1.2	Project Planning and Preparation	Initial phase to establish solid foundation for the project's execution
3	1.2.1	Project Description	An overview of the purpose and objectives of the project
3	1.2.2	Cost Management Plan	An outline how the project's costs will be estimated
3	1.2.3	Schedule Management Plan	An outline of the project's timeline on how it will be



			monitor, developed, and controlled
3	1.2.4	Scope Management Plan	An outline how the scope of the project will be defined
2	1.3	Phase I: Analysis	Assess project risks and costs benefits
3	1.3.1	Project Risk Analysis	Identifying and analyzing risks that may impact the project
3	1.3.2	Cost Benefit Analysis	Comparison of total cost and benefits
2	1.4	Phase II: Design and Development	Creation of the system of the project
3	1.4.1	Admin System	Start of creation of the admin system
4	1.4.1.1	Admin Log-in	Creation of log-in for the admin system
4	1.4.1.2	Admin Home Page	Creation of home page for the admin system
4	1.4.1.3	Inventory	Creation of inventory page for the admin system
4	1.4.1.4	Transactions	Creation of transactions page for the admin system
4	1.4.1.5	Analytics Report	Creation of analytics report for the admin system
3	1.4.2	Point of Sale System	Start of creation of the point of sale (POS) system
4	1.4.2.1	Cashier Log-in	Creation of log-in for the cashier
4	1.4.2.2	Home Screen	Creation of home screen for the cashier
4	1.4.2.3	Checkout Screen	Creation of checkout screen for the cashier
4	1.4.2.4	Generate Receipt	Generation of receipt that includes transaction details
2	1.5	Phase III: Testing	Processing of testing and evaluating the system
3	1.5.1	Requirement Analysis	Analysis of steps to pursue the project

3	1.5.2	Test Planning	Test plan that outlines testing strategy, objectives, scope, and resources required for testing
3	1.5.3	Test Design	Designing test cases that maximize the chances of detecting defects
3	1.5.4	Test Execution	Testing of project requirements
3	1.5.5	Test Evaluation	Analyzing of test results to determine if the project meets the requirements
3	1.5.6	System Integration Testing	Examines how integrated components interact and interface with one another.
3	1.5.7	User Acceptance Testing	Checking if project meets the user acceptance
3	1.5.8	System Testing	Quality assurance testing of the system
2	1.6	Phase IV: Implementation	Execution of planned solution
3	1.6.1	Deployment Planning	Determination of steps needed before deployment
3	1.6.2	Installation	Setting up of the system for the client
3	1.6.3	Data Migration	Encoding of data into the system
3	1.6.4	User Training	Administration and cashiers' system-use training
3	1.6.5	Monitor Progress	Tracking of project's progress
3	1.6.6	Post Implementation Review	Evaluation of the project's implementation
2	1.7	Project Closeout/Completion	Final stage of the project
3	1.7.1	Finalize Project Deliverables	Finalization of project deliverables
3	1.7.2	Confirm Project Completion	Confirmation of project completion
3	1.7.3	Review All Contracts	Checking of all contracts

3	1.7.4	Review Documentation	Evaluation of all the documentations of the project
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## **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