WORK BREAKDOWN STRUCTURE (WBS)

<GROUP 8>

TEAM SUPERSTAR

ELECTRICITY BILLS

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INTRODUCTION

The Work Breakdown Structure (WBS) of "Elasticity bills" is the foundation for project planning and control. It is the connecting point for work and cost estimates, schedule information, actual work effort/cost expenditures and defines the scope that a project team can understand and more effective. This WBS have 6 subjects which contain
1.) Outline View
2.) Hierarchical Structure
3.) Tabular View
4.) Tree Structure View
5.) WBS Dictionary
6.) Glossary of Terms

OUTLINE VIEW

1. Electricity Bills Application
   - 1.1 Initiation
     - 1.1.1 Evaluation & Recommendations
     - 1.1.2 Develop Project Charter
     - 1.1.3 *Deliverable:* Submit Project Charter
     - 1.1.4 Project Team reviews Project Charter
     - 1.1.5 Project Charter Signed/Approved
   - 1.2 Planning
     - 1.2.1 Create Preliminary Scope Statement
     - 1.2.2 Determine Project Team
     - 1.2.3 Project Team Kickoff Meeting
     - 1.2.4 Develop Project Plan
     - 1.2.5 Submit Project Plan
     - 1.2.6 *Milestone:* Project Plan Approval
   - 1.3 Execution
     - 1.3.1 Project Kickoff Meeting
     - 1.3.2 Verify and Validate User Requirements
     - 1.3.3 Design System
     - 1.3.4 Procure Hardware/Software
     - 1.3.5 Install Development System
     - 1.3.6 Testing Phase
     - 1.3.7 Install Live System
     - 1.3.8 User Training
     - 1.3.9 Go Live
   - 1.4 Control
     - 1.4.1 Project Management
     - 1.4.2 Project Status Meetings
     - 1.4.3 Risk Management
     - 1.4.4 Update Project Management Plan
   - 1.5 Closeout
     - 1.5.1 Audit Procurement
     - 1.5.2 Document Lessons Learned
     - 1.5.3 Update Files/Records
     - 1.5.4 Gain Formal Acceptance
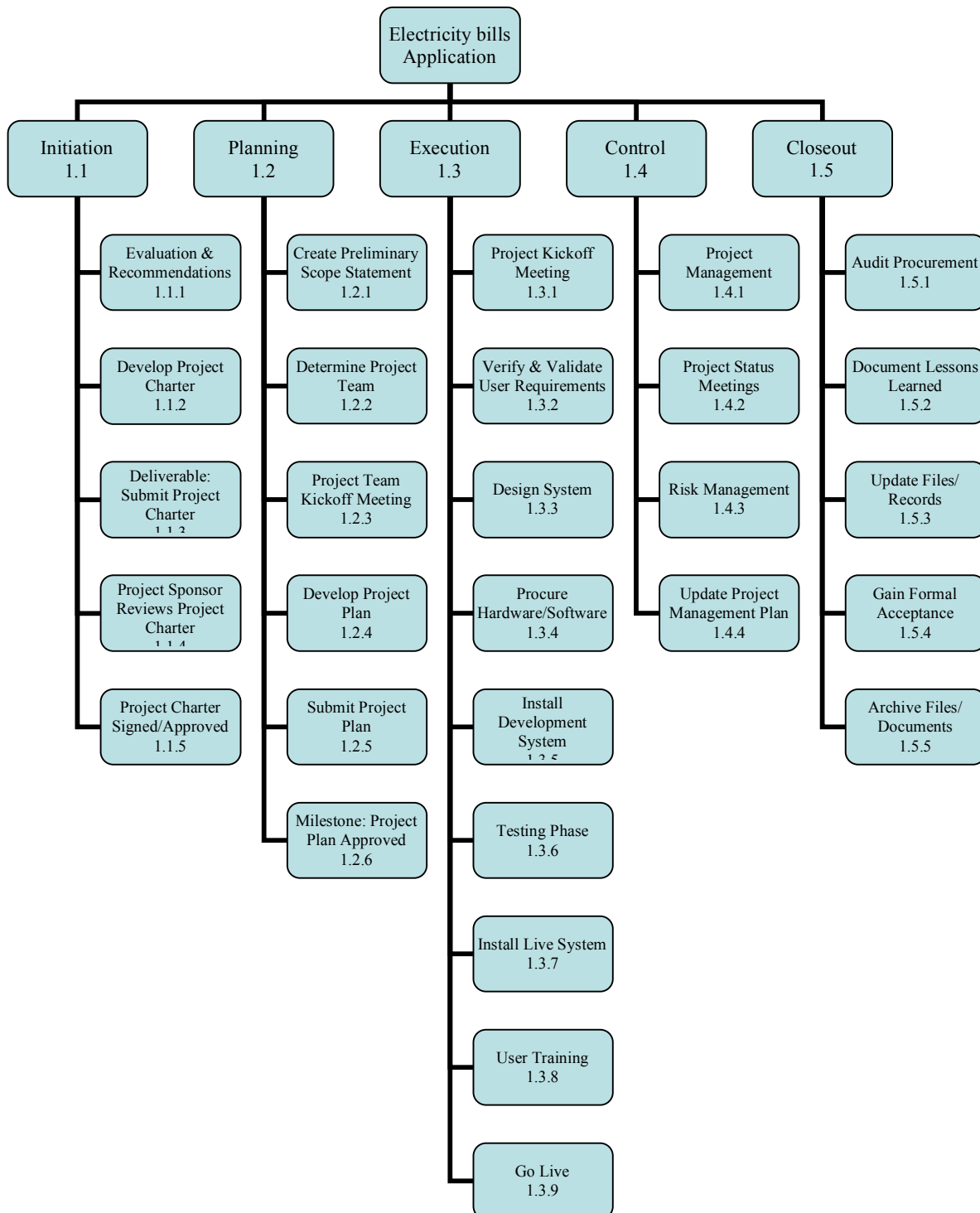   - 1.5.5 Archive Files/Documents

HIERARCHICAL STRUCTURE

Level	WBS Code	Element Name
1	1	Electricity bills Application
2	1.1	Initiation
3	1.1.1	Evaluation & Recommendations
3	1.1.2	Develop Project Charter
3	1.1.3	Deliverable: Submit Project Charter
3	1.1.4	Project Team Reviews Project Charter
3	1.1.5	Project Charter Signed/Approved
2	1.2	Planning
3	1.2.1	Create Preliminary Scope Statement
3	1.2.2	Determine Project Team
3	1.2.3	Project Team Kickoff Meeting
3	1.2.4	Develop Project Plan
3	1.2.5	Submit Project Plan
3	1.2.6	Milestone: Project Plan Approval
2	1.3	Execution
3	1.3.1	Project Kickoff Meeting
3	1.3.2	Verify and Validate User Requirements
3	1.3.3	Design System
3	1.3.4	Procure Hardware/Software
3	1.3.5	Install Development System
3	1.3.6	Testing Phase
3	1.3.7	Install Live System
3	1.3.8	User Training
3	1.3.9	Go Live
2	1.4	Control
3	1.4.1	Project Management
3	1.4.2	Project Status Meetings
3	1.4.3	Risk Management
3	1.4.4	Update Project Management Plan
2	1.5	Closeout
3	1.5.1	Audit Procurement
3	1.5.2	Document Lessons Learned
3	1.5.3	Update Files/Records
3	1.5.4	Gain Formal Acceptance
3	1.5.5	Archive Files/Documents

TABULAR VIEW

Level 1	Level 2	Level 3
1 Electricity bills Application	1.1 Initiation	1.1.1 Evaluation & Recommendations 1.1.2 Develop Project Charter 1.1.3 Deliverable: Submit Project Charter 1.1.4 Project Team Reviews Project Charter 1.1.5 Project Charter Signed/Approved
	1.2 Planning	1.2.1 Create Preliminary Scope Statement 1.2.2 Determine Project Team 1.2.3 Project Team Kickoff Meeting 1.2.4 Develop Project Plan 1.2.5 Submit Project Plan 1.2.6 Milestone: Project Plan Approval
	1.3 Execution	1.3.1 Project Kickoff Meeting 1.3.2 Verify and Validate User Requirements 1.3.3 Design System 1.3.4 Procure Hardware/Software 1.3.5 Install Development System 1.3.6 Testing Phase 1.3.7 Install Live System 1.3.8 User Training 1.3.9 Go Live
	1.4 Control	1.4.1 Project Management 1.4.2 Project Status Meetings 1.4.3 Risk Management 1.4.4 Update Project Management Plan
	1.5 Closeout	1.5.1 Audit Procurement 1.5.2 Document Lessons Learned 1.5.3 Update Files/Records 1.5.4 Gain Formal Acceptance 1.5.5 Archive Files/Documents

TREE STRUCTURE VIEW

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                        Electricity bills
                          Application

  Initiation      Planning       Execution       Control        Closeout
     1.1            1.2             1.3             1.4             1.5

  Evaluation &   Create Preliminary   Project Kickoff    Project         Audit Procurement
  Recommendations  Scope Statement      Meeting        Management           1.5.1
     1.1.1           1.2.1             1.3.1           1.4.1

  Develop Project  Determine Project   Verify & Validate  Project Status   Document Lessons
     Charter          Team           User Requirements    Meetings           Learned
     1.1.2           1.2.2             1.3.2            1.4.2              1.5.2

  Deliverable:    Project Team        Design System      Risk Management   Update Files/
  Submit Project  Kickoff Meeting        1.3.3              1.4.3            Records
  Charter            1.2.3                                                   1.5.3

  Project Sponsor  Develop Project     Procure           Update Project     Gain Formal
  Reviews Project     Plan           Hardware/Software  Management Plan     Acceptance
  Charter            1.2.4             1.3.4             1.4.4              1.5.4

  Project Charter  Submit Project      Install                             Archive Files/
  Signed/Approved     Plan           Development System                     Documents
     1.1.5           1.2.5                                                   1.5.5

                   Milestone: Project  Testing Phase
                   Plan Approved          1.3.6
                      1.2.6

                                      Install Live System
                                          1.3.7

                                      User Training
                                          1.3.8

                                       Go Live
                                        1.3.9
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PROJECT MANAGEMENT DOCS
Free Project Management Templates

WBS DICTIONARY

WBS Code	Task name	Description	Duration (day)	Start Date	End Date	Resources	Precedence Task(s)
1	Widget Management System	All work to implement a new widget management system.					
1.1	Initiation	The work to initiate the project.	15	16-Aug-16	30-Aug-16		
1.1.1	Evaluation & Recommendations	Working group to evaluate solution sets and discuss about possibility of the project.	5	16-Aug-16	20-Aug-16	All	
1.1.2	Develop Project Charter	Develop the Project Proposal.	3	21-Aug-16	23-Aug-16	Yanisa	1.1.1
1.1.3	Deliverable: Submit Project Proposal	Project Proposal is delivered to the Lecturer.	3	24-Aug-16	26-Aug-16	Marcel	1.1.2
1.1.4	Project Team Reviews Project Charter	Lecturer reviews the Project Proposal.	2	27-Aug-16	28-Aug-16	Lecturer	1.1.3
1.1.5	Project Proposal Signed/Approved	Lecturer signs the Project Proposal which authorizes the Project Manager to move to the Planning Process.	2	29-Aug-16	30-Aug-16	Lecturer	1.1.4
1.2	Planning	The work for the planning process for the project.	6	1-Sep-16	5-Sep-16		
1.2.1	Create Preliminary Scope Statement	Project team is established	1	1-Sep-16	1-Sep-16	All	1.1.5
1.2.2	Determine Project Team	Discusses about project with the project team.	2	1-Sep-16	2-Sep-16	All	1.1.5
1.2.3	Project Team Kickoff Meeting	Creates a Preliminary Scope Statement.	1	3-Sep-16	3-Sep-16	Peiro	1.2.1 , 1.2.2
1.2.4	Develop Project Plan	Develops and edits statement of work.	1	4-Sep-16	4-Sep-16	Nijjaree	1.2.3
1.2.5	Submit Project Plan	Submits the statement of work for approval.	1	5-Sep-16	5-Sep-16	All	1.2.4
1.2.6	Milestone: Project Plan Approval	Permission to proceed to execute the project according to the statement of work.	1	6-Sep-16	6-Sep-16	Lecturer	1.2.5
1.3	Execution	Work involved executing the project.	49	6-Sep-16	24-Oct-16		
1.3.1	Project Kickoff Meeting	Project Manager conducts a formal kick off meeting with the project team and Lecturer	2	6-Sep-16	7-Sep-16	All	1.2.6
1.3.2	Verify & Validate User Requirements	The original user requirements is reviewed by the project manager and team, and then validated with the users/stakeholders.	3	7-Sep-16	9-Sep-16	Maxime	1.3.1
1.3.3	Design System	Design an overall of application for mobile interface.	9	10-Sep-16	18-Sep-16	Panwadee	1.3.2
1.3.4	Procure Hardware/Software	Research and search about equipment that needed for the project.	7	19-Sep-16	25-Sep-16	All	1.3.3
1.3.5	Install Development System	Start to install the program that needed for the project	10	25-Sep-16	4-Oct-16	All	1.3.4
1.3.6	Testing Phase	Testing application	5	4-Oct-16	9-Oct-16	Marcel	1.3.5
1.3.7	Install Live System	Testing in every device in android operating system	7	10-Oct-16	16-Oct-16	Maxime	1.3.6
1.3.8	User Training	Training user to know how to use our application	4	17-Oct-16	20-Oct-16	Nijjaree	1.3.7
1.3.9	Go Live	Application is usable in real world	2	21-Oct-16	24-Oct-16	All	1.3.8
1.4	Control	The work involved for the control process of the project.	9	25-Oct-16	2-Nov-16		
1.4.1	Project Management	Overall project management for the project.	2	25-Oct-16	26-Oct-16	All	1.3.9
1.4.2	Project Status Meetings	Weekly team status meetings.	3	27-Oct-16	29-Oct-16	All	1.4.1
1.4.3	Risk Management	Risk management efforts as defined in the Risk Management Plan.	1	30-Oct-16	30-Oct-16	All	1.4.2
1.4.4	Update Project Management Plan	The Lecturer formally accepts the project by signing the acceptance document included in the project plan.	3	31-Oct-16	2-Nov-16	Yanisa	1.4.3
1.5	Closeout	The work to close-out the project.	12	3-Nov-16	14-Nov-16		
1.5.1	Audit Procurement	Performs a lessons learned meeting and documents the lessons learned for the project.	3	3-Nov-16	5-Nov-16	Peiro	1.4.4
1.5.2	Document Lessons Learned	Create a project document and user manual.	3	6-Nov-16	8-Nov-16	Panwadee	1.5.1
1.5.3	Update Files/Records	All files and records are updated to reflect the widget management system.	3	9-Nov-16	11-Nov-16	All	1.5.2
1.5.4	Gain Formal Acceptance	The Project Sponsor formally accepts the project.	2	12-Nov-16	13-Nov-16	Maxime	1.5.3
1.5.5	Archive Files/Documents	All project related files and documents are formally archived.	1	14-Nov-16	14-Nov-16	All	1.5.4

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.
Work Package:	A Work Package is a deliverable or work component at the lowest level of its WBS branch.
WBS Component:	A component of a WBS which is located at any level. It can be a Work Package or a WBS Element as there's no restriction on what a WBS Component is.
WBS Element:	A WBS Element is a single WBS component and its associated attributes located anywhere within a WBS. A WBS Element can contain work, or it can contain other WBS Elements or Work Packages.