



Title: AI Trademark Logo Creator
Company: Hilton Technology Sdn Bhd

Company Profile

Project Manager	: Khaw Teng Xian	B031910447
Quality Manager	: Lim Wen Ni	B031910441
Financial Analyst	: Reca Seng binti Mohd Fadzil Seng	B031910187

Our Github: <https://github.com/tengxian4/AI-Trademark-Logo-Creator>

Work Breakdown Structure(WBS)

Outline View

1. AI Trademark Logo Creator

1.1 Project Conception & Initiation

1.1.1 Project Charter

1.1.1.1 Sign the contract

1.1.1.2 Statement of Work

1.1.2 Stakeholders

1.1.2.1 Meet with MyIPO (in our case we meet with Prof)

1.1.2.2 Meet with users of the existing logo generator

1.1.3 Develop preliminary project scope

1.1.4 Research

1.1.4.1 Research on Deep Learning

1.1.4.2 Research on Image Processing

1.1.4.3 Research on GPT3

1.1.5 Project Initiation

1.2 Project Definition & Planning

1.2.1 Collect Requirement

1.2.1.1 Interview the users of the existing logo generator

1.2.1.2 Observe logo designers in designing logo

1.2.2 Define Scope

1.2.2.1 Get expert judgement from Supervisor Quek Yao Jing

1.2.2.2 Analyze the product of logo generator

1.2.3 Create WBS

1.2.4 Verify Scope

1.2.5 Control Scope

1.2.6 Plan Human Resource

1.2.7 Cost Estimating

1.2.7.1 Find suitable laptop by considering price and spec

1.2.7.2 Find suitable GPU Server by considering price and spec

1.2.7.3 Rough Order of Magnitude (ROM) Estimate

1.2.8 Cost Budgeting

1.2.9 Activity Define and Sequencing

1.2.10 Develop Schedule

1.2.11 Communication Plan

1.2.12 Risk Management

1.2.13 Collect Dataset

1.2.14 Plan Procurement

1.3 Project Launch & Execution

1.3.1 Build responsibility Assignment Matrix

1.3.2 Status & Tracking

1.3.2.1 Train Models

1.3.2.2 Model Selection

1.3.2.3 Choose suitable Off the Shelf Software for Front-End

1.3.2.4 Integrate the System with Front-End

1.3.3 KPIs

1.3.3.1 Monitoring

1.3.3.2 Forecasts

1.3.4 Validate Scope

1.3.5 Control Scope

1.3.5.1 Variance Analysis

1.3.6 Project Updates

1.3.6.1 Chart Updates

1.3.6.2 Manage Project Team

1.3.7 Cost Control

1.3.8 Conduct Procurement

1.3.9 Communicate with stakeholders

1.4 Project Performance / Monitoring

1.4.1 Project Objectives

1.4.2 Quality Control

1.4.3 Effort & Cost Tracking

1.4.4 Communicate with stakeholders about the performance

1.4.5 Project Performance

1.5 Closing

1.5.1 Close Procurement

1.5.2 Close Project

Hierarchical Structure

Level	WBS Code	Element Name
1	1	AI Trademark Logo Creator
2	1.1	Project Conception & Initiation
3	1.1.1	Project Charter
4	1.1.1.1	Sign the contract
4	1.1.1.2	Statement of Work
3	1.1.2	Stakeholders
4	1.1.2.1	Meet with MyIPO (in our case we meet with Prof)
4	1.1.2.2	Meet with users of the existing logo generator
3	1.1.3	Develop preliminary project scope
3	1.1.4	Research
4	1.1.4.1	Research on Deep Learning
4	1.1.4.2	Research on Image Processing
4	1.1.4.3	Research on GPT3
3	1.1.5	Project Initiation
2	1.2	Project Definition & Planning
3	1.2.1	Collect Requirement
4	1.2.1.1	Interview the users of the existing logo generator
4	1.2.1.2	Observe logo designers in designing logo
3	1.2.2	Define Scope
4	1.2.2.1	Get expert judgement from Supervisor Quek Yao Jing
4	1.2.2.2	Analyze the product of logo generator
3	1.2.3	Create WBS
3	1.2.4	Verify Scope
3	1.2.5	Control Scope
3	1.2.6	Plan Human Resource
3	1.2.7	Cost Estimating
4	1.2.7.1	Find suitable laptop by considering price and spec
4	1.2.7.2	Find suitable GPU Server by considering price and spec
4	1.2.7.3	Rough Order of Magnitude (ROM) Estimate
3	1.2.8	Cost Budgeting
3	1.2.9	Activity Define and Sequencing
3	1.2.10	Develop Schedule
3	1.2.11	Communication Plan
3	1.2.12	Risk Management

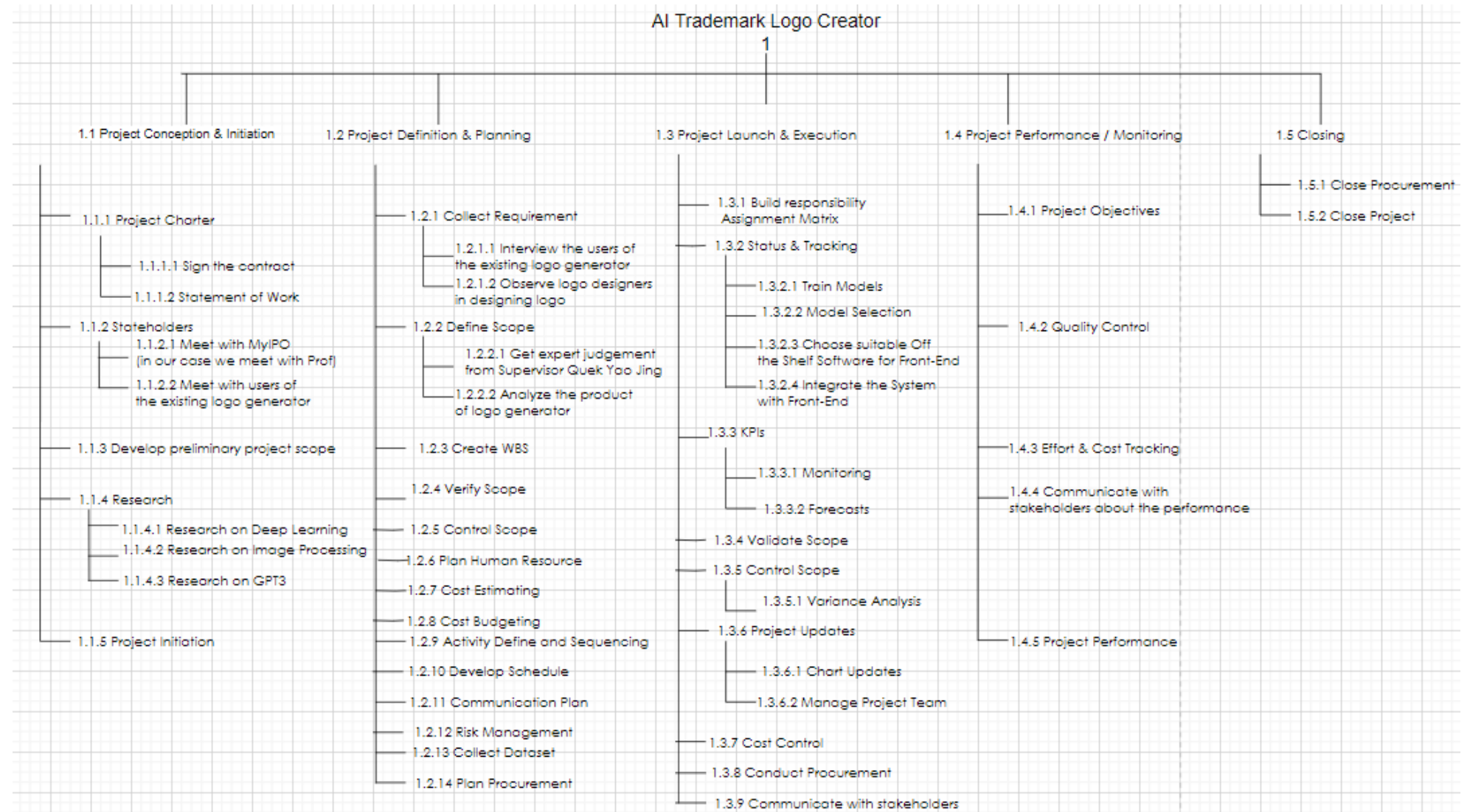
3	1.2.13	Collect Dataset
3	1.2.14	Plan Procurement
2	1.3	Project Launch & Execution
3	1.3.1	Build responsibility Assignment Matrix
3	1.3.2	Status & Tracking
4	1.3.2.1	Train Models
4	1.3.2.2	Model Selection
4	1.3.2.3	Choose suitable Off the Shelf Software for Front-End
4	1.3.2.4	Integrate the System with Front-End
3	1.3.3	KPIs
4	1.3.3.1	Monitoring
4	1.3.3.2	Forecasts
3	1.3.4	Validate Scope
3	1.3.5	Control Scope
4	1.3.5.1	Variance Analysis
3	1.3.6	Project Updates
4	1.3.6.1	Chart Updates
4	1.3.6.2	Manage Project Team
3	1.3.7	Cost Control
3	1.3.8	Conduct Procurement
3	1.3.9	Communicate with stakeholders
2	1.4	Project Performance / Monitoring
3	1.4.1	Project Objectives
3	1.4.2	Quality Control
3	1.4.3	Effort & Cost Tracking
3	1.4.4	Communicate with stakeholders about the performance
3	1.4.5	Project Performance
2	1.5	Closing
3	1.5.1	Close Procurement
3	1.5.2	Close Project

Tabular View

Level 1	Level 2	Level 3	Level 4
1AI Trademark Logo Creator	1.1 Project Conception & Initiation	1.1.1 Project Charter	1.1.1.1 Sign the contract
			1.1.1.2 Statement of Work
		1.1.2 Stateholders	1.1.2.1 Meet with MyIPO (in our case we meet with Prof)
			1.1.2.2 Meet with users of the existing logo generator
		1.1.3 Develop preliminary project scope	
		1.1.4 Research	1.1.4.1 Research on Deep Learning
			1.1.4.2 Research on Image Processing
			1.1.4.3 Research on GPT3
		1.1.5 Project Initiation	
	1.2 Project Definition & Planning	1.2.1 Collect Requirement	1.2.1.1 Interview the users of the existing logo generator
			1.2.1.2 Observe logo designers in designing logo
		1.2.2 Define Scope	1.2.2.1 Get expert judgement from Supervisor Quek Yao Jing
			1.2.2.2 Analyze the product of logo generator
		1.2.3 Create WBS	
		1.2.4 Verify Scope	
		1.2.5 Control Scope	
		1.2.6 Plan Human Resource	
		1.2.7 Cost Estimating	1.2.7.1 Find suitable laptop by considering price and spec
			1.2.7.2 Find suitable GPU Server by considering price and spec
			1.2.7.3 Rough Order of Magnitude (ROM) Estimate
		1.2.8 Cost Budgeting	
		1.2.9 Activity Define and Sequencing	

		1.2.10 Develop Schedule	
		1.2.11 Communication Plan	
		1.2.12 Risk Management	
		1.2.13 Collect Dataset	
		1.2.14 Plan Procurement	
	1.3 Project Launch & Execution	1.3.1 Build responsibility Assignment Matrix	
		1.3.2 Status & Tracking	1.3.2.1 Train Models
			1.3.2.2 Model Selection
			1.3.2.3 Choose suitable Off the Shelf Software for Front-End
			1.3.2.4 Integrate the System with Front-End
		1.3.3 KPIs	1.3.3.1 Monitoring
			1.3.3.2 Forecasts
		1.3.4 Validate Scope	
		1.3.5 Control Scope	1.3.5.1 Variance Analysis
		1.3.6 Project Updates	1.3.6.1 Chart Updates
			1.3.6.2 Manage Project Team
		1.3.7 Cost Control	
		1.3.8 Conduct Procurement	
		1.3.9 Communicate with stakeholders	
	1.4 Project Performance / Monitoring		
		1.4.1 Project Objectives	
		1.4.2 Quality Control	
		1.4.3 Effort & Cost Tracking	
		1.4.4 Communicate with stakeholders about the performance	
		1.4.5 Project Performance	
	1.5 Closing	1.5.1 Close Procurement	
		1.5.2 Close Project	

Tree Structure View



WBS Dictionary

Level	WBS Code	Element Name	Definition
1	1	AI Trademark Logo Creator	All the tasks to be done in order to get a logo creator system
2	1.1	Project Conception & Initiation	To initiate the project
3	1.1.1	Project Charter	Develop a project charter
4	1.1.1.1	Sign the contract	Sign the contract
4	1.1.1.2	Statement of Work	Write a statement of work
3	1.1.2	Stakeholders	To identify project stakeholders
4	1.1.2.1	Meet with MyIPO (in our case we meet with Prof)	Project team has a meeting with Professor Goh.
4	1.1.2.2	Meet with users of the existing logo generator	Project team has a meeting with users of the existing logo generator.
3	1.1.3	Develop preliminary project scope	The Project Manager develops a preliminary project scope statement.
3	1.1.4	Research	Under the direction of the Project Manager and the supervision of the professor, the team starts research on some topics. The Project Manager distributes few essential topics for the project team.
4	1.1.4.1	Research on Deep Learning	The project team starts research on deep learning under the direction of the project manager.
4	1.1.4.2	Research on Image Processing	The project team starts research on image processing under the direction of the project manager.
4	1.1.4.3	Research on GPT3	The project team starts research on GPT3 under the direction of the project manager.
3	1.1.5	Project Initiation	The Project Manager needs to make sure the project team completed the work of Project Charter and Statement of Work and initiate the project.
2	1.2	Project Definition & Planning	The Project Manager needs to ensure that the project addresses the organization's needs
3	1.2.1	Collect Requirement	The project team creates requirements documentation and a requirements traceability matrix as outputs of the requirements collection process.
4	1.2.1.1	Interview the users of the existing logo generator	The project team starts an interview for the users of the existing logo generator.

4	1.2.1.2	Observe logo designers in designing logo	The project team observed logo designers in designing logos..
3	1.2.2	Define Scope	The project team works with appropriate stakeholders to create a scope management plan and requirements management plan.
4	1.2.2.1	Get expert judgement from Supervisor Quek Yao Jing	The Project Manager receives expert judgement from Supervisor Quek Yao Jing.
4	1.2.2.2	Analyze the product of logo generator	The Project Team starts analyzing the product of the logo generator.
3	1.2.3	Create WBS	The Project Manager creates a WBS of the project.
3	1.2.4	Verify Scope	The Project Team verifies the scope of the project to ensure that all the requirements from stakeholder have been documented.
3	1.2.5	Control Scope	The task involved the control process of the project.
3	1.2.6	Plan Human Resource	The Project Manager creates a human resource plan which involves identifying and documenting project roles.
3	1.2.7	Cost Estimating	The Financial Analyst creates activity cost estimates, basis of estimates, and project document updates which involves developing a cost estimation of the resource needed to complete the project.
4	1.2.7.1	Find suitable laptop by considering price and spec	The project team will conclude the required laptop brand with the spec, then the Project Manager will find a suitable laptop by considering price and spec.
4	1.2.7.2	Find suitable GPU Server by considering price and spec	The Project Manager find suitable GPU Server by considering price and spec
4	1.2.7.3	Rough Order of Magnitude (ROM) Estimate	The Financial Analyst prepares a ROM estimate for the project.
3	1.2.8	Cost Budgeting	The Financial Analyst creates a budget based on the estimation costs.
3	1.2.9	Activity Define and Sequencing	Identify the activities needed to produce the deliverables of the project and put them in sequence.
3	1.2.10	Develop Schedule	The Project Manager creates schedule baseline, project schedule, schedule data, project calendars and project document plan updates.

3	1.2.11	Communication Plan	The Project Team creates a communication plan which involves determining the information and communication needs of the stakeholders.
3	1.2.12	Risk Management	Identify, analyze and respond to all the risks in the project. The risks of this project will be more in costing and schedule.
3	1.2.13	Collect Dataset	Collect the logo dataset from Supervisor Quek Yao Jing
3	1.2.14	Plan Procurement	The Procurement Manager creates a procurement management plan which involves determining what to procure and when and how to do it.
2	1.3	Project Launch & Execution	The phase in the project life cycle when the work is performed, and everything in the project plan is put into action.
3	1.3.1	Build responsibility Assignment Matrix	The Project Team builds responsibility Assignment Matrix for the project.
3	1.3.2	Status & Tracking	The Project Manager tracks the progress of tasks in a project.
4	1.3.2.1	Train Models	The Project Manager trains models with the project team.
4	1.3.2.2	Model Selection	The Project Manager selects a suitable model for the project.
4	1.3.2.3	Choose suitable Off the Shelf Software for Front-End	The project team chose suitable off the Shelf Software for front-end under the direction of Project Manager.
4	1.3.2.4	Integrate the System with Front-End	The project team integrates the system with the front-end.
3	1.3.3	KPIs	Key Performance Indicators (KPI) are a set of quantifiable measures that a company or industry uses to gauge and compare performance in terms of meeting their strategic and operational goals.
4	1.3.3.1	Monitoring	Keeping a close eye on the project and making sure all the tasks are on the right track.
4	1.3.3.2	Forecasts	The Project Team looks at the current status information and figuring out what the performance will be at the end of the project.

3	1.3.4	Validate Scope	The process of formalizing acceptance of the completed project deliverables.
3	1.3.5	Control Scope	Monitor the project status and update the scope if there is changes
4	1.3.5.1	Variance Analysis	See the difference between actual and planned work in a quantitative manner.
3	1.3.6	Project Updates	Updates the project
4	1.3.6.1	Chart Updates	Updates the gantt chart.
4	1.3.6.2	Manage Project Team	The Project Manager manages the project team.
3	1.3.7	Cost Control	Control the cost to make sure the cost is within the budget.
3	1.3.8	Conduct Procurement	The process of obtaining seller responses, selecting a seller, and awarding a contract.
3	1.3.9	Communicate with stakeholders	The project team should have communication with the stakeholders.
2	1.4	Project Performance / Monitoring	All about comparing actual performance to the goals you set.
3	1.4.1	Project Objectives	See whether you have achieved what you plan to achieve by the end of your project.
3	1.4.2	Quality Control	Test the system to make sure it meets acceptance criteria defined during quality planning.
3	1.4.3	Effort & Cost Tracking	Measure the time taken and cost for planned and unplanned activities for the planning of future projects.
3	1.4.4	Communicate with stakeholders about the performance	The Project Manager communicates with stakeholders about the performance.
3	1.4.5	Project Performance	Document the performance of the project.
2	1.5	Closing	The final phase of the project lifecycle.
3	1.5.1	Close Procurement	Procurement manager completes the procurement.
3	1.5.2	Close Project	Project team finalizes all activities for the project, phase, or contract.

Glossary of Terms

Project Charter: A formal and short document that describes the whole project

Statement of Work: A document that consist of the work management aspects of the project and this document need to be agreed by the client and the provider

Procurement: Purchase services or products

Responsible Assignment Matrix (RAM): RAM is used to assign the work in WBS to the respective responsible people.

Rough Order of Magnitude (ROM estimate): ROM is an initial estimation of the cost of the project and it will be done at a very early stage in the project.