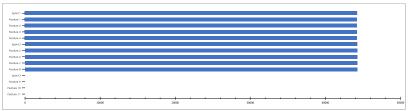# 000000Gantt Chart_x000D_

AGILE PROJECT PLAN TEMPLATE

PROJECT NAME	PROJECT MANAGER	START DATE	END DATE	OVERALL PROGRESS	PROJECT DELIVERABLE	
ERP System	Neerujah Ledchumanan	January 19 2021	February 3 2021	20%	SCOPE STATEMENT	

AT RISK	TASK NAME	FEATURE TYPE	RESPONSIBLE	STORY POINTS	START	FINISH	DURATION (DAYS)	STATUS	COMMENTS
	Sprint 1		Stella N.		1/25/21	2/2/21	9	Complete	
	Feature 1	UI prototype	Stella, Neerujah	3	1/28/21	2/1/21	2	Complete	frontend
	Feature 2	Create user page	Yas, Vithura	3	1/29/21	2/1/21	2	Complete	frontend
	Feature 3	User access roles	Nurie	3	1/30/21	1/31/21	1	In progress	backend
	Feature 4	User authentication and encryption	Nurie	3	1/31/21	2/1/21	2	Complete	backend
	Sprint 2	Front-end & Back-end	M. Nurie		02/04/2021			In progress	
	Feature 5	Define products with different parts	Nurie, Mark, Carlin, Stella, Vithura	6	2/4/21	2/7/21	4	Not started	frontend & backend
	Feature 6	Create, edit and track the material list required	Nurie, Adam, Ayman, Stella, Yas	10	2/8/21	2/12/21	5	Not started	frontend & backend
	Feature 7	Track inventory	Nurie, Adam, Stella, Neerujah	13	2/13/21	2/17/21	5	Not started	frontend & backend
	Feature 8	Notifications from process driven work-flow process	Nurie, Mark, Stella, Yas, Vithura	8	2/18/21	2/22/21	5	Not started	frontend & backend
	Sprint 3								
	Feature 9								
	Feature 10								
	Feature 11								

AGILE PROJECT PLAN TEMPLATE

Story points

** User story points adhere to the following Fibonacci sequence value set : <1,2,3,5,8>

ID	User Story	Frontend	Backend
ERPS-8	Define products with different parts	3	3
ERPS-7	Create, edit and track the material list required	5	5
ERPS-9	Track inventory	5	8
ERPS-11	Update info on raw material	5	3
ERPS-10	Track quality data	2	5
ERPS-6	Allow only registered users to access	3	3
ERPS-12	Have access to logs and audit trails	2	5
ERPS-13	Generate documents in different formats and link to Cloud storage	3	8
ERPS-5	Encrypt all credential details, personal info	3	3
ERPS-14	Notifications from process driven work-flow process	3	5
ERPS-15	View transaction logs	3	5
ERPS-18	Receive data from production machinery	5	8
ERPS-16	System to automatically terminate session	2	2
ERPS-17	Notified by email of the events that need my attention	3	5

Tasks for User Stories

ERPS-8 Define products with different parts

Tasks	Area
Design and implement product, component, material models	Backend
Create database tables for product, component, material, materials list	Backend
Design and implement vendor, customer models	Backend
Create database tables for vendor, customer models	Backend
Select component icons	Frontend
Design vendor creation profile	Frontend

ERPS-7 Create, edit and track the material list required

Tasks	Area
Design and implement UI components for product, component, material creation	Frontend
Design and implement UI for materials list	Frontend
Create API between frontend and backend	Backend
Implement CRUD operations for product, component, material	Backend
Implement creation of final product and materials list	Backend

ERPS-9 Track Inventory

Tasks	Area
Design and implement inventory model	Backend
Implement inventory table in database and populate with products, components, materials	Backend
Design and implement inventory UI	Frontend
Connect frontend and backend	Backend

ERPS-11 Update info on raw material / Define and order raw materials and final products

Tasks	Area
Design and implement order model	Backend
Implement order table in database	Backend
Implement order CRUD operations	Backend
Connect frontend and backend	Backend
Design and implement orders overview UI that allows for editing order	Frontend

ERPS-10 Track quality data

Tasks	Area
Choose and implement quality data format	Backend
Choose trigger rules	Backend
Implement quality management service	Backend
Design and implement quality management overview of UI	Frontend

ERPS-6 Allow only registered users to access

Tasks	Area
Design and implement user model	Backend
Implement user table in database	Backend
Determine user access roles	Backend
Create admin and allow to create users and set roles	Backend
Implement login page and logout option	Frontend
Implement admin user editing page	Frontend

ERPS-12 Have access to logs and audit trails

Tasks	Area
Create log files	Backend
Generate audit trails and system logs	Backend
Save audit trails and output to appropriate files	Backend
Make log files available to the user and the UI	Backend
Retrieve and format data from the log files	Frontend
Implement pages to display logs and audit trails	Frontend

ERPS-13 Generate documents in different formats and link to Cloud storage

Tasks	Area
Generate report in MS excel spreadsheets format	Backend
Generate report in Adobe PDF format	Backend
Link to Cloud storage service such as Google Drive with push and pull functions	Backend
Implement data selection and report creation functions	Backend
Implement data selection and report creation UI	Frontend

ERPS-5 Encrypt credentials and personal info

Tasks	Area
Implement encryption on user password	Backend
Implement encryption on personal info	Backend
Acceptance test for admin	Backend

ERPS-14 Notifications from process driven work-flow

Tasks	Area
Allow emails to be sent from erp system to users	Backend
Define business rules that will trigger notifications	Backend

Define trigger activities (emails, transaction holds approval requests etc)	Backend

ERPS-15 View transaction logs

Tasks	Area
Generate financial accounts	Backend
Keep log of payable and receivable accounts	Backend
Analyse the financial accounts	Backend
Generate financial reports from analysed accounts	Backend
Implement pages for displaying financial reports	Frontend

ERPS-18 Receive data from production machinery

Tasks	Area
Read production machinery data from CSV/XML file format and display in readable format	Backend
Upload production machinery data	Backend
Implement production machinery report creation and viewing UI	Frontend

ERPS-16 System to automatically terminate session

Tasks	Area
Create sessions to track user activity	Backend
Terminate the session after a set time	Backend

ERPS-17 Notified by email of the events that need my attention

Tasks	Area
Define major and critical events and relevant emails for each role	Backend
Send emails according to relevant roles	Backend
Automate email sending to certain role	Backend

Acceptance Tests

Test #1	
User Story	The client-user must be able to select different options for a bike. This includes frame size, color, finish, and grade.
Acceptance Criteria	Users want to choose the characteristics of their bicycle. I click on the bicycle I'm interested in. I choose the frame size. I choose the color of the frame. I choose the finish of the bicycle. I choose the grade option. I submit my choices. I received a message of a successful operation.
Critical	Yes
Test Results	Still undergoing trial
Comments	Will be released during sprint 2

Test #2	
User Story	As a manufacturer, I must be able to create, edit and track the material list required.
Acceptance Criteria	I create a new material list. A user selects a type of handle bar, frame, wheel, seat and adds them to the bike order. The material list is updated with the appropriate amount of materials needed for the bike order. The inventory deducts the corresponding amount of stock that was requested from the materials list. The user edits a bike component. If the manufacturer has not already begun assembly, then the handle bar is switched to the desired one in the inventory. The material list is updated with corresponding change. When a final product is ready, it is viewable from the order overview.
Critical	Yes
Test Results	Still undergoing trial
Comments	Will be released during sprint 2

Test #3	
User Story	The user wants to be able to track the inventory of available bicycles, bicycle subparts, and raw material.
Acceptance Criteria	User want to check how many items are left in inventory I click on the inventory icon. I click on the bicycle inventory. The system displays the number of bicycles available. I choose the bicycle subparts inventory. The system displays the number of subparts. I click on raw materials inventory. The system displays the number of raw materials available.
Critical	Yes
Test Results	Still undergoing trial
Comment	Will be released during sprint 2

Test #4	
User Story	As a user, I want to receive notifications from process driven work-flow.
Assumptions	User is logged in and their role is manager.
Acceptance Criteria	As a manager, I want my messaging system to follow a driven work form process. Client makes an order. Manager receives a message about an order placed. Workers receive a message to make an order. Clients receive a message about their order status. Clients receive a message about a transaction hold. Payment approved. Client receives a message about a completed transaction. Manager receives a message about a completed transaction.
Critical	Yes
Test Results	Still undergoing trial
Comments	To be released in sprint 2