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 part and material list required	5	3
ERPS-9	Track inventory	5	8
ERPS-11	Define order for material (supplier order) and bikes (sale order)	5	13
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 csv pdf (strategy pattern)	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

ERPS-20	edit the warehouse inventory	3	3
ERPS-21	track warehouse inventory	5	3
ERPS-44	production reports to be in pdf format	3	5
ERPS-45	production reports to be in csv format	3	5
ERPS-24	add new user to the ERP system	5	3
ERPS-25	give specific access rights to each users depending on their role	3	5
ERPS-26	use the data from the manufacturing and sales team to create accounting profits reports	5	5
ERPS-46	create a company ledger	5	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
Implement bike, material, part controllers	Backend
Design and implement supplier, customer models	Backend

Create database tables for supplier, customer models	Backend
Select component icons	Frontend
Design vendor creation profile	Frontend

ERPS-7 Create part and material list required

Tasks	Area
Design and implement UI components for part and material creation	Frontend
Design and implement UI for materials list	Frontend
Create API between frontend and backend	Backend
Implement CRUD operations for part and 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
Implement inventory stock deduction and restocking for bike, part, material classes	Backend
Design and implement inventory UI	Frontend
Connect frontend and backend	Backend

ERPS-11 Update info on raw material / Define and order raw materials (supplier order) and final products (sale order) *new*

Tasks	Area
Design and implement supplier order model, repository, service, controller classes	Backend
Update ledger, bank account, inventory account, accounts payable upon supplier order creation, payment and order received	Backend

Design and implement sale order model, repository, service, controller classes	Backend
Update ledger, bank account, accounts receivable upon sale order creation, payment and order shipped	Backend
Connect frontend and backend	Backend
Design and implement orders overview UI that allows for editing order, specifically buttons that indicate payment made, materials received, bike shipped	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

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 *via different communication modes, including but not limited to Web services, COM ports, and CSV/XML format files.*	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

ERPS-20 Edit warehouse inventory

Tasks	Area
Design and implement UI updating the warehouse inventory	Frontend
Design and implement UI for materials list	Frontend
Create API between frontend and backend	Backend
Implement CRUD operations for part and material	Backend
Implement updating inventory of final product parts, and materials list	Backend

ERPS-21 Edit warehouse inventory

Tasks	Area
Design and implement UI updating the warehouse inventory	Frontend
Design and implement UI for materials list	Frontend
Create API between frontend and backend	Backend
Implement CRUD operations for part and material	Backend
Implement updating inventory of final product parts, and materials list	Backend

ERPS-44 Generate documents in pdf format

Tasks	Area
Generate report in Adobe PDF format	Backend
Implement data selection and report creation functions	Backend
Implement data selection and report creation UI	Frontend

ERPS-45 Generate documents in MS excel format

Tasks	Area
Generate report in MS excel spreadsheets format	Backend
Implement data selection and report creation functions	Backend
Implement data selection and report creation UI	Frontend

ERPS-47 Link generated Report to the Cloud

Tasks	Area
Retrieve all reports generate by different department	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-47 Link generated Report to the Cloud

Tasks	Area
Retrieve all data generated by manufacturing department and sales department	Backend
Produce financial report for the accounting department	Backend
Implement data selection and report creation functions	Backend
Implement data selection and report creation UI	Frontend

ERPS-27 Create company ledger

Tasks	Area
Retrieve all previous financial reports in order to create a ledger	Backend
Produce company ledge for the accounting department	Backend
Implement data selection and report creation functions	Backend
Implement data selection and report creation UI	Frontend