


Spend Analysis & Supplier rating

	Target release	24 Apr 2023
1	Epic	 SS-6 - Complete Requirement gathering - Phase 1 IN PROGRESS
2	Document status	DRAFT
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Objective

We need to fix bugs and build enhancements for an application that provides different tools for supplier spending analysis and strategies for sourcing.

1. Need to customize the landing page
2. Need to develop input handling system - excel and storing in database
3. Integrate FastAPI backend with the Next JS app
4. Need to develop supplier spend analysis dashboard with reports and charts
5. We need to improve the output handling system to keep users within the app
6. Deploy the Next JS - FastAPI app on Vercel and AWS



Success metrics

Goal	Metric
Aesthetically Integrated landing page and modern authentication for user	Successfully able to login and logout with session management. Landing page should be aesthetically integrated to the app inside
Keep the user within the app for all analysis purposes	Successfully able to handle input and output on the app itself. Only confirmations and links to the app should be sent on email.
Able to use application over the internet	Successfully host the frontend and backend on AWS



Assumptions

1. The landing page and Next JS app are already integrated with
 - a. Auth0
 - b. Redux
 - c. MongoDB
 - d. React Query
 - e. MUI
2. Need to deploy on Vercel first before AWS



Milestones



Requirements

Requirement 4 (Need to develop supplier spend analysis dashboard with reports and charts) in detail:

Requirement	Importance	Jira Issue	Notes
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Develop table for Spend analysis with row highlight capability based on a condition. Columns:

1. Supplier Name
2. Product Affected
3. Total parts
4. Critical parts
5. Spend in dollars
6. Spend in percent

Supplier	Part Name	Commodity Code	Total parts	Critical parts	Total Spend	Our company share
Critco	825	324	135	9	23,480	12 %
TVD	204	237	800	3	1,900	19 %
Schick	24	98	358	9	390	3 %
Exel	24	132	9	1		

HIGH

Develop another table with 1-5 rating form for different measures:

1. ~~Sourcing matrix~~
2. Capacity
3. Pricing
4. OTD - On Time Delivery
5. quality
6. Supplier health

First column should be supplier name and the last column should be remark comment section which includes previous comments

Supplier	location	Sourcing matrix	capacity	pricing	OTD	quality	Supplier health	remark
TVD	Czech rep	1	4	4				Diving capacity
Schick	Austria							Moving buying away
legends	Meet	below	unacceptable	insufficient data		exception		

HIGH

Create charts for the data from input uploaded.

1. Spend by supplier
2. Spend by product
3. Spend by commodity and sub commodity
4. Spend by Region/location



HIGH

Input should accept the purchase orders in excel format.

It should have these columns:

1. Purchase order number
2. part name
3. Part Criticality
4. Product affected
5. Vendor name
6. supplier location
7. Purchase Requisition count
8. Still to be delivered value
9. Commodity type
10. Sub Commodity type

HIGH

User interaction and design

Open Questions

Question	Answer	Date Answered

⚠ Out of Scope