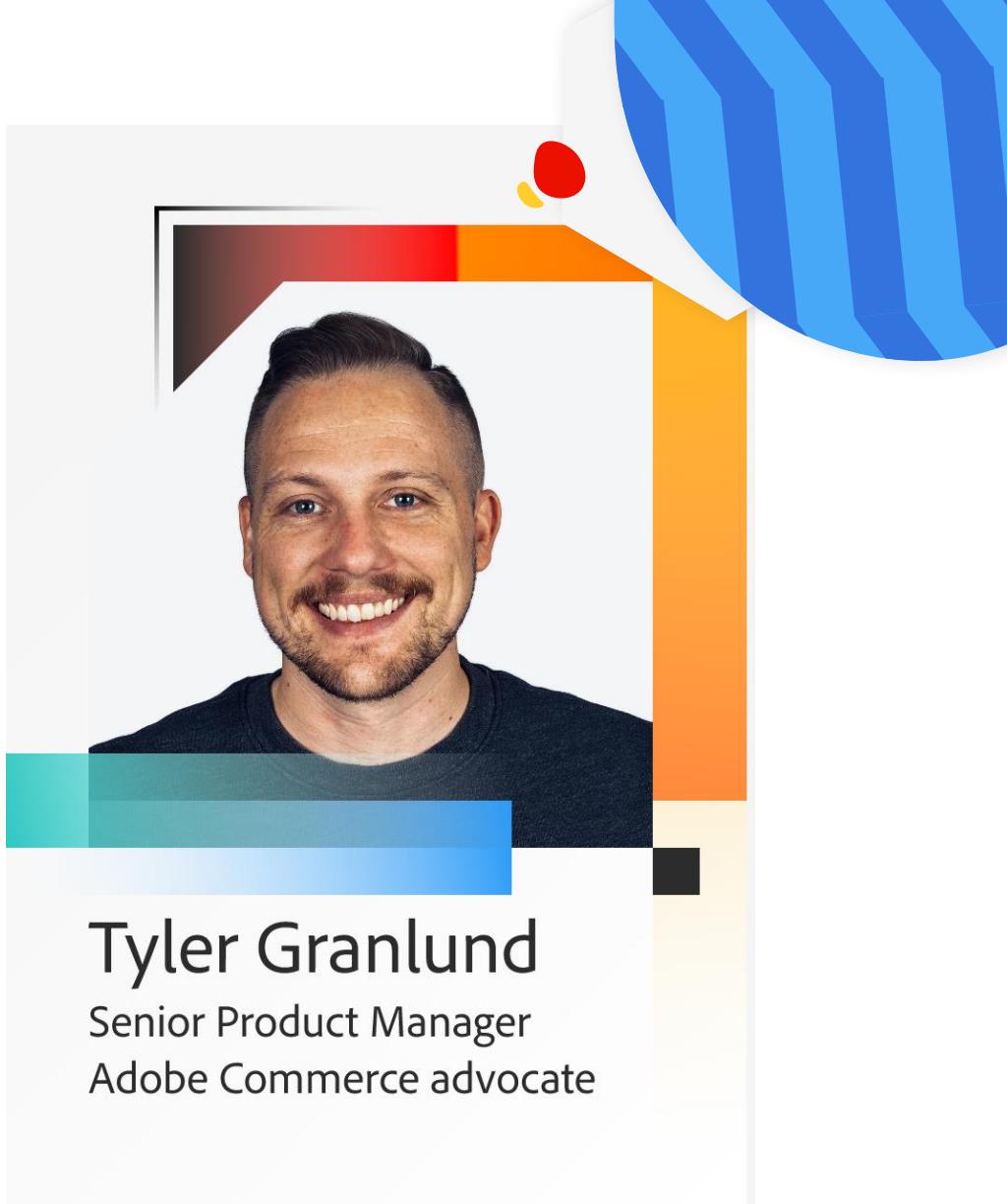


Streamlining E-Commerce: A Focused Approach on Communication, Testing, and Requirements in Agile SDLC



Tyler Granlund
Senior Product Manager
Adobe Commerce advocate

**Ask the
presenters a
question**



Extras!



**Don't miss these
resources!**

**Chat with
other
attendees**



AGENDA



INTRODUCTION

AGILE SDLC OVERVIEW

A FOCUS ON COMMUNICATION, REQUIREMENTS, AND TESTING

APPLY AGILE SDLC PRACTICES TO YOUR ADOBE COMMERCE UPGRADE

Q&A

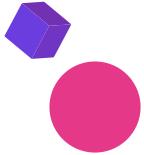


Agile Methodology: Impact and Mission



By integrating agile methodologies into our development processes, we enhance our flexibility and responsiveness. Our strategic vision guides each step to align with our broader goals, contributing significantly to our sustained organizational success.

Significance of Efficient e-Commerce Development



1

Customer-Centric

Agile development fosters continuous customer feedback, leading to a more intuitive and tailored user experience.

2

Rapid Iterations

Quick release cycles enable faster incorporation of customer feedback, resulting in improved customer satisfaction.

3

Enhanced Usability

Incremental deliveries and regular testing contribute to higher-quality products that meet customer needs.

4

Alignment with Agile SDLC

Flexible architecture allows the system to handle growing demands and accommodate increased user activity.

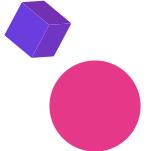
5

Market Adaptability

Ability to quickly respond to market changes and adapt the product to meet evolving customer demands.



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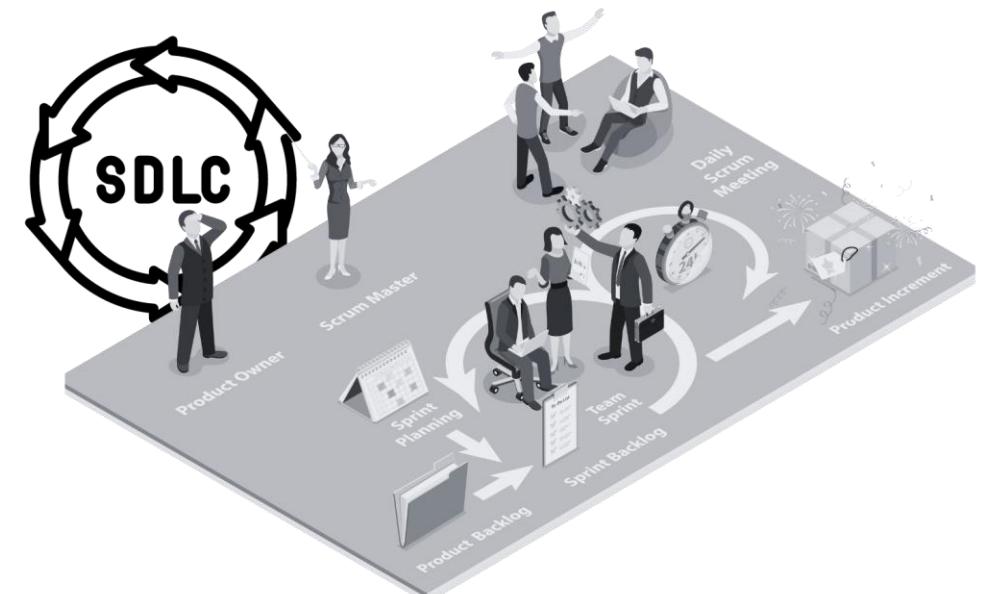
Alignment with Agile SDLC

Flexible architecture allows the system to handle growing demands and accommodate increased user activity.

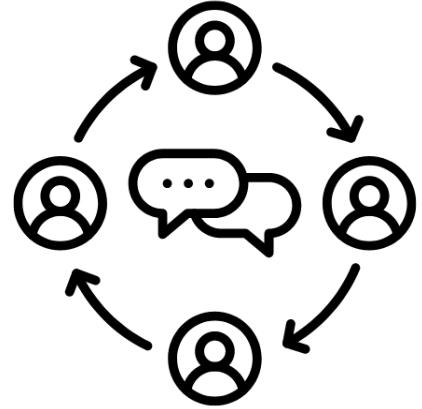
5

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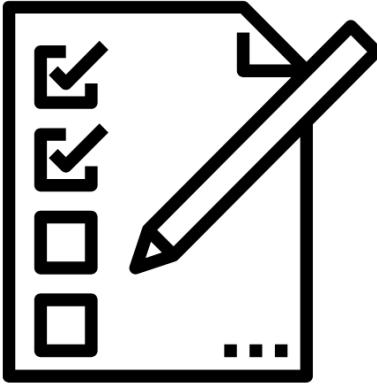


Alignment with Agile SDLC



Communication

Effective communication among team members is crucial in Agile SDLC. It facilitates collaboration, knowledge sharing, and ensures everyone is on the same page.



Planning & Requirements

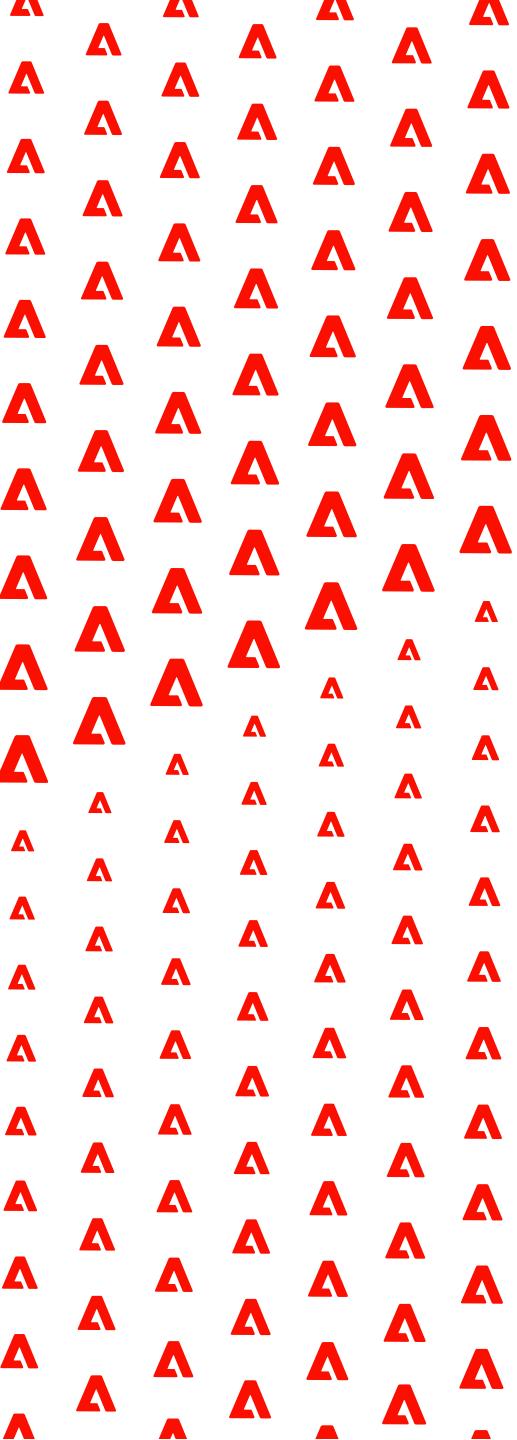
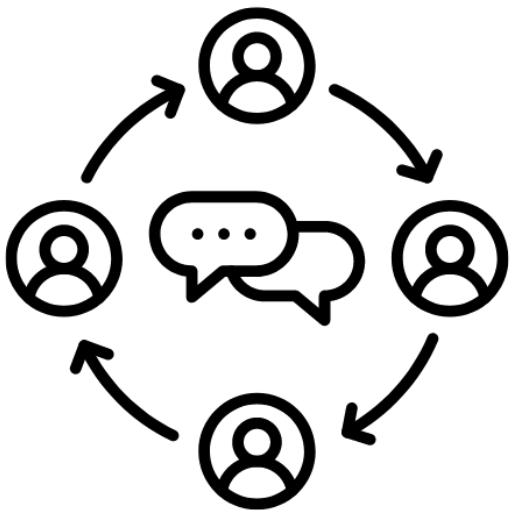
Thorough planning and clear requirements help define project goals, scope, and deliverables. It enables efficient resource allocation, risk mitigation, and ensures alignment with customer needs.



Testing

Testing plays a vital role in Agile SDLC to ensure the quality and reliability of the developed software. It helps identify and fix issues early, leading to improved customer satisfaction.

STAKEHOLDER & TEAM COMMUNICATION



Communication Best Practices

Cross-Department
Collaboration

Clear Communication
Channels

Customer Feedback
Integrations

Agile Methodology

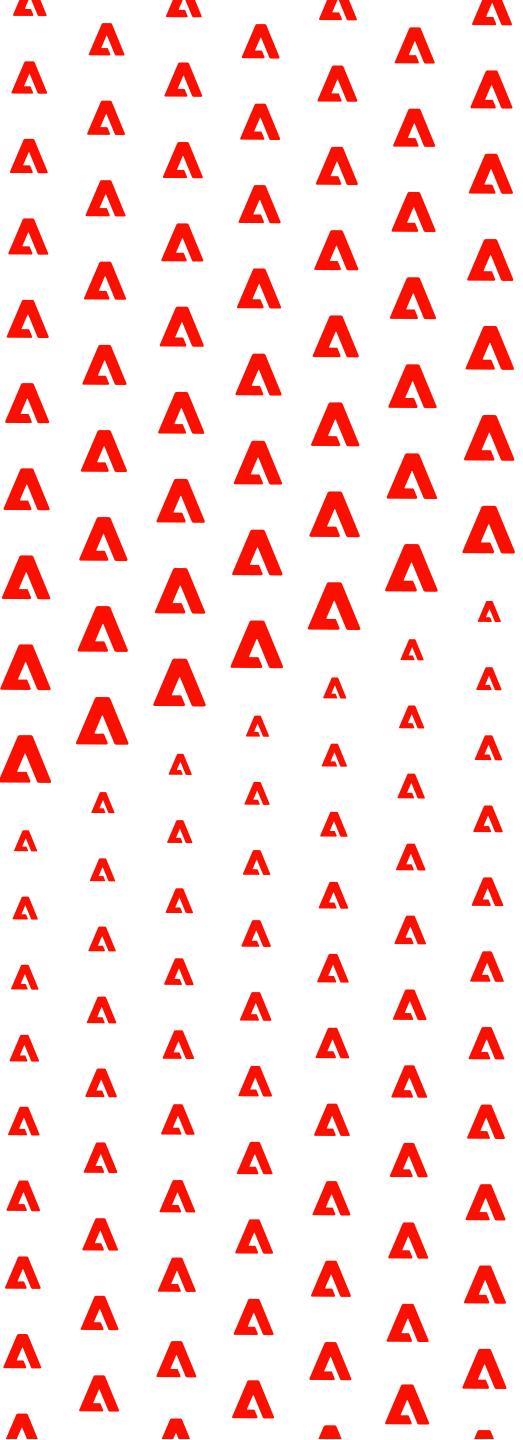
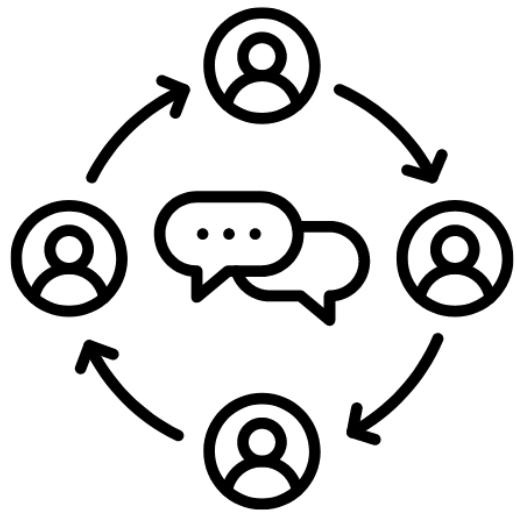
Data-Driven Decision
Making

Regular Review &
Adaption

Training &
Development

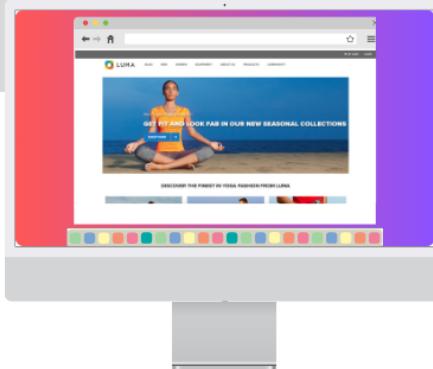
COMMUNICATION

TYPICAL USECASE





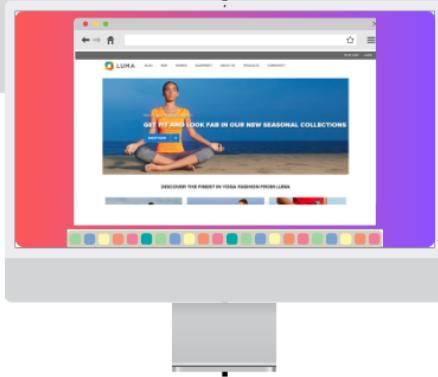
 INTERNAL 



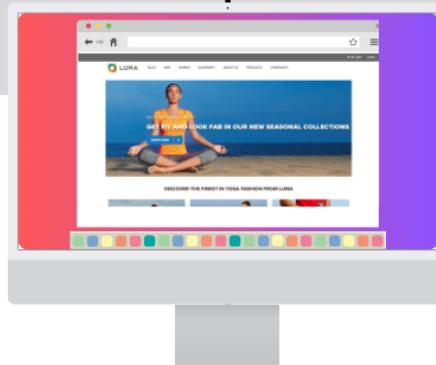
 EXTERNAL 

INTERNAL

EXTERNAL



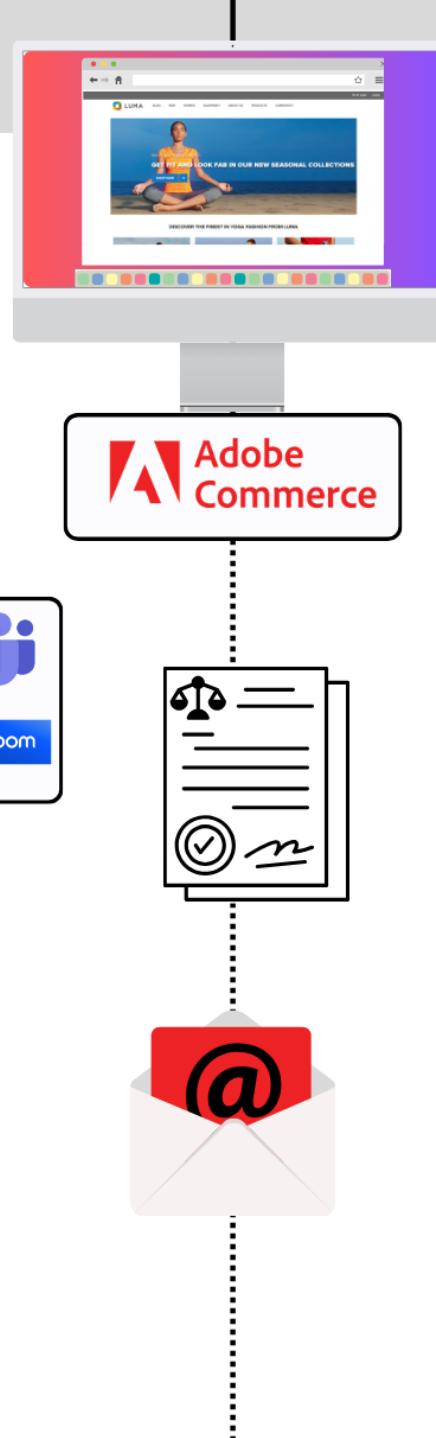
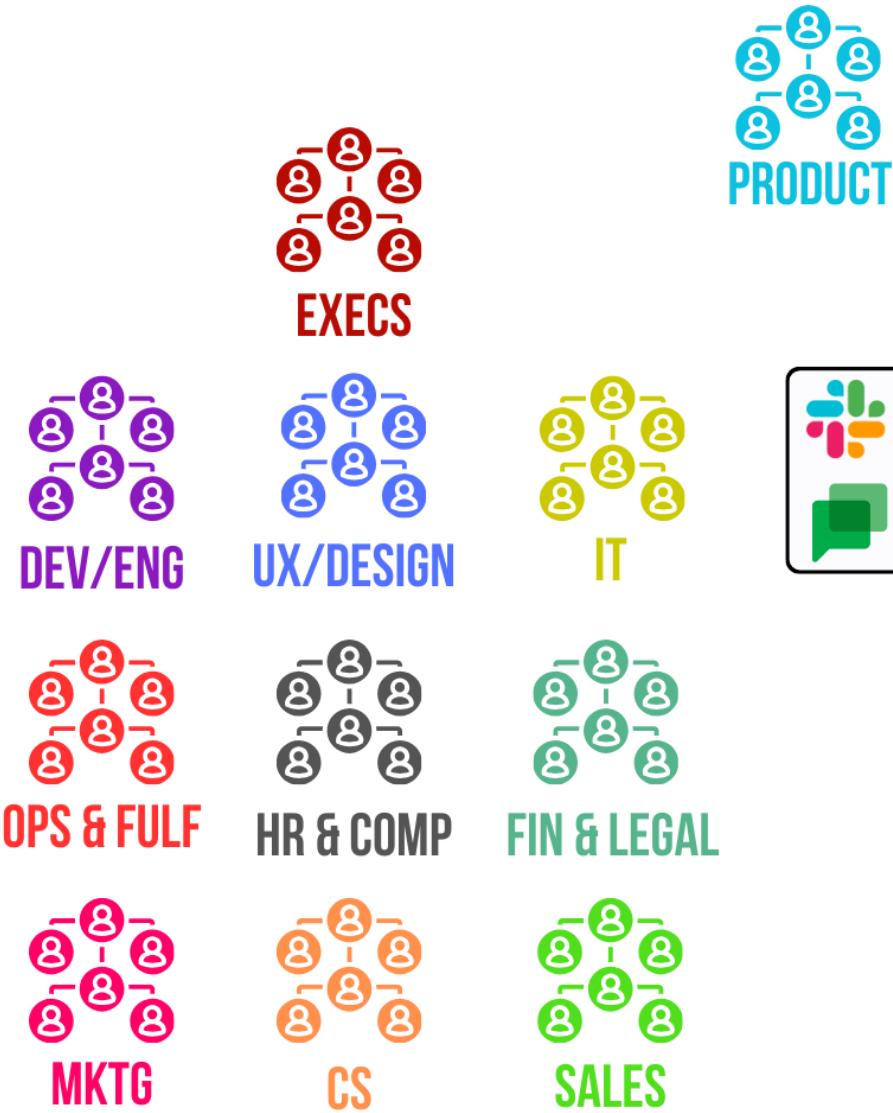
INTERNAL



EXTERNAL



INTERNAL

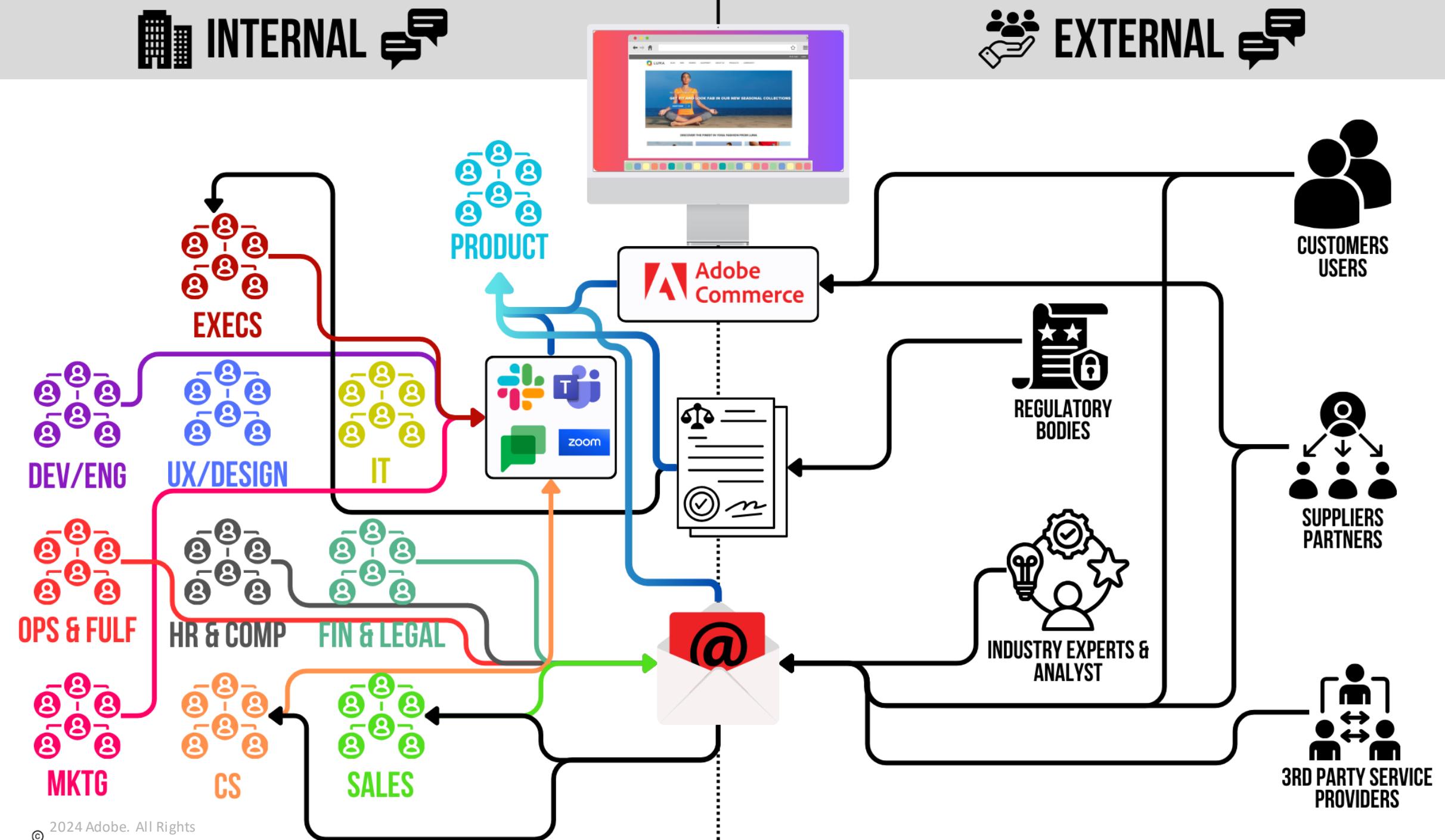


EXTERNAL



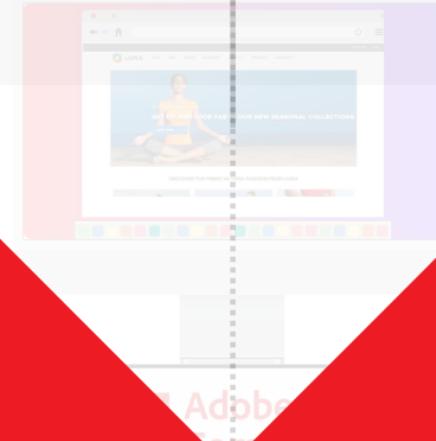
INTERNAL

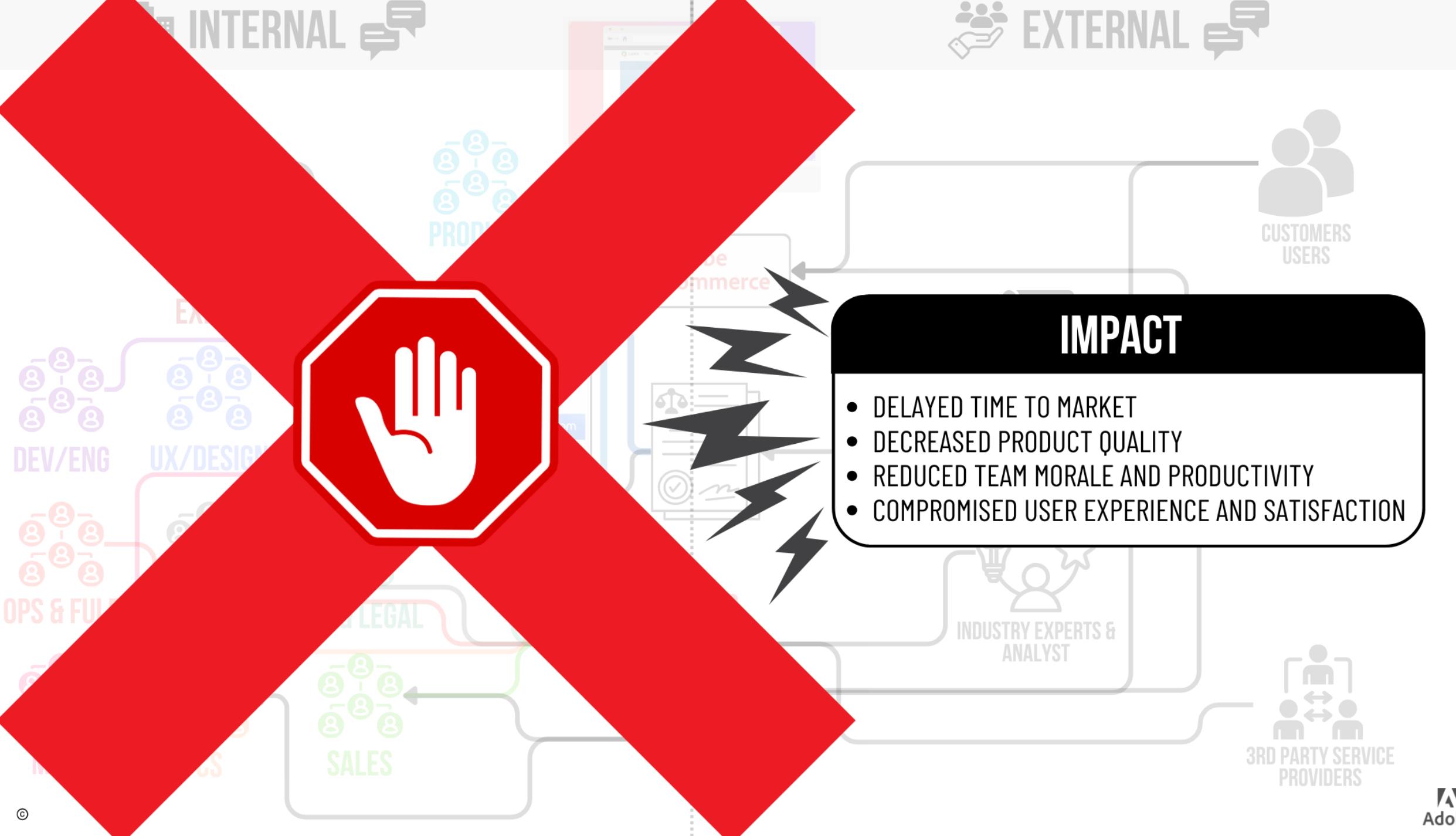
EXTERNAL





INTERNAL



A large red 'X' is overlaid on the entire diagram, indicating a negative outcome.

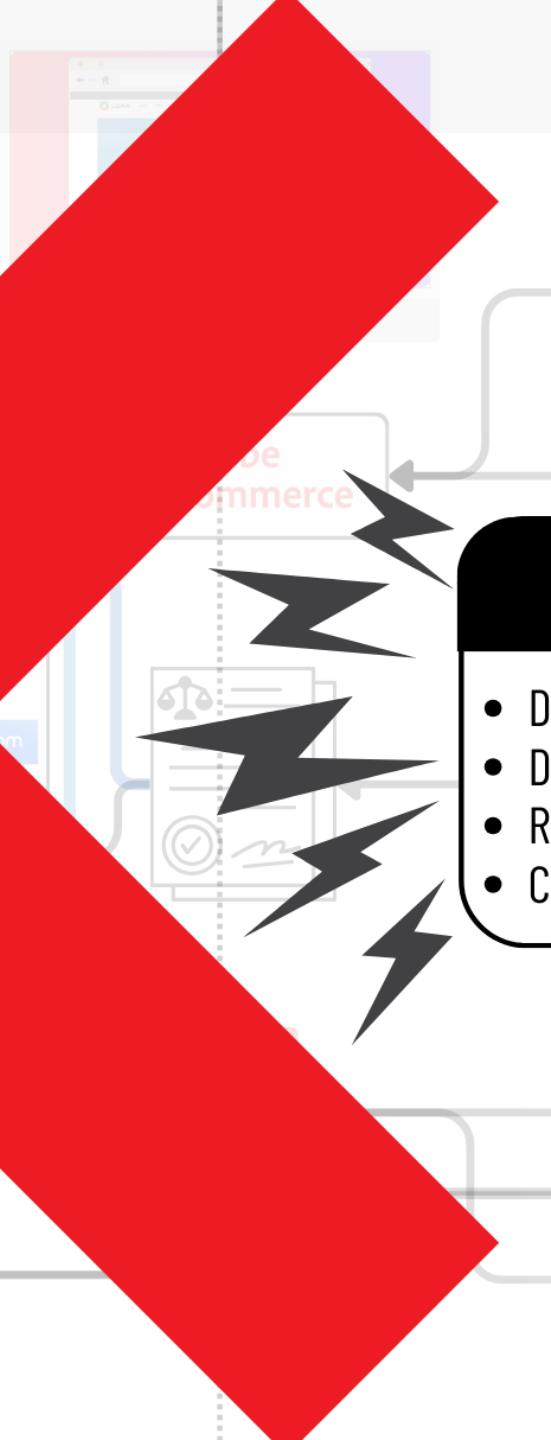
INTERNAL

EXTERNAL

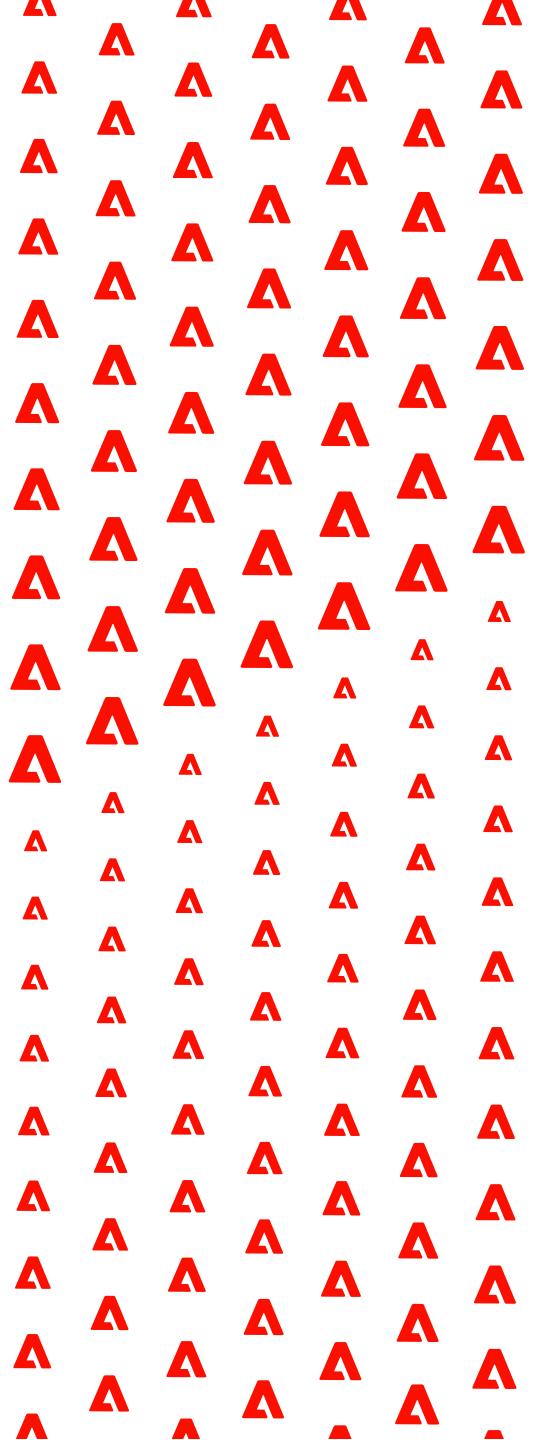
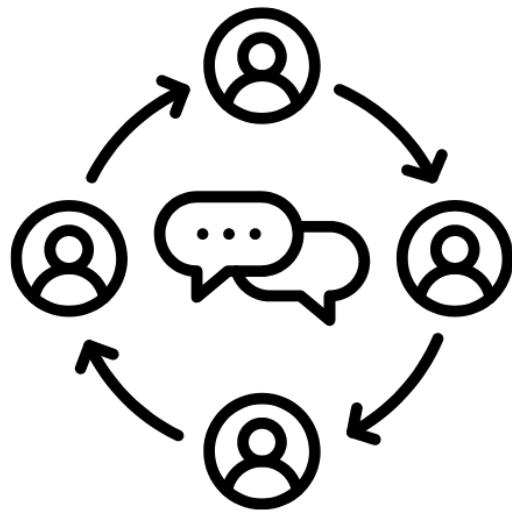


IMPACT

- DELAYED TIME TO MARKET
- DECREASED PRODUCT QUALITY
- REDUCED TEAM MORALE AND PRODUCTIVITY
- COMPROMISED USER EXPERIENCE AND SATISFACTION

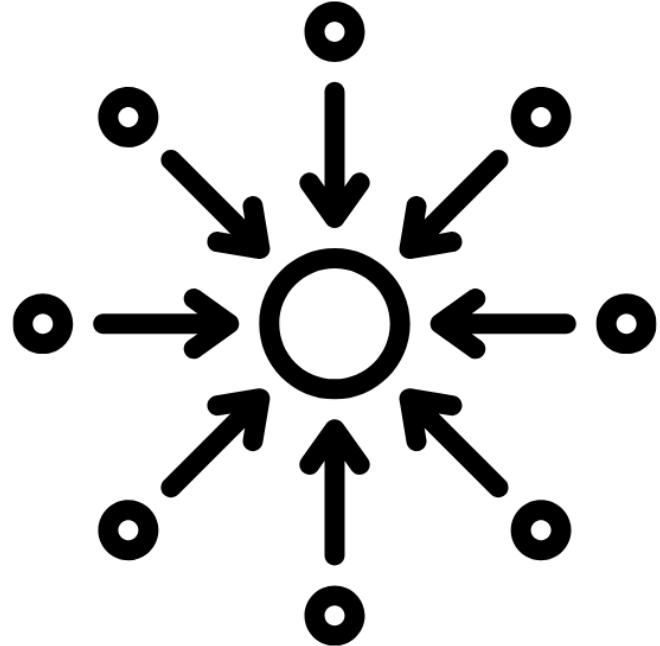


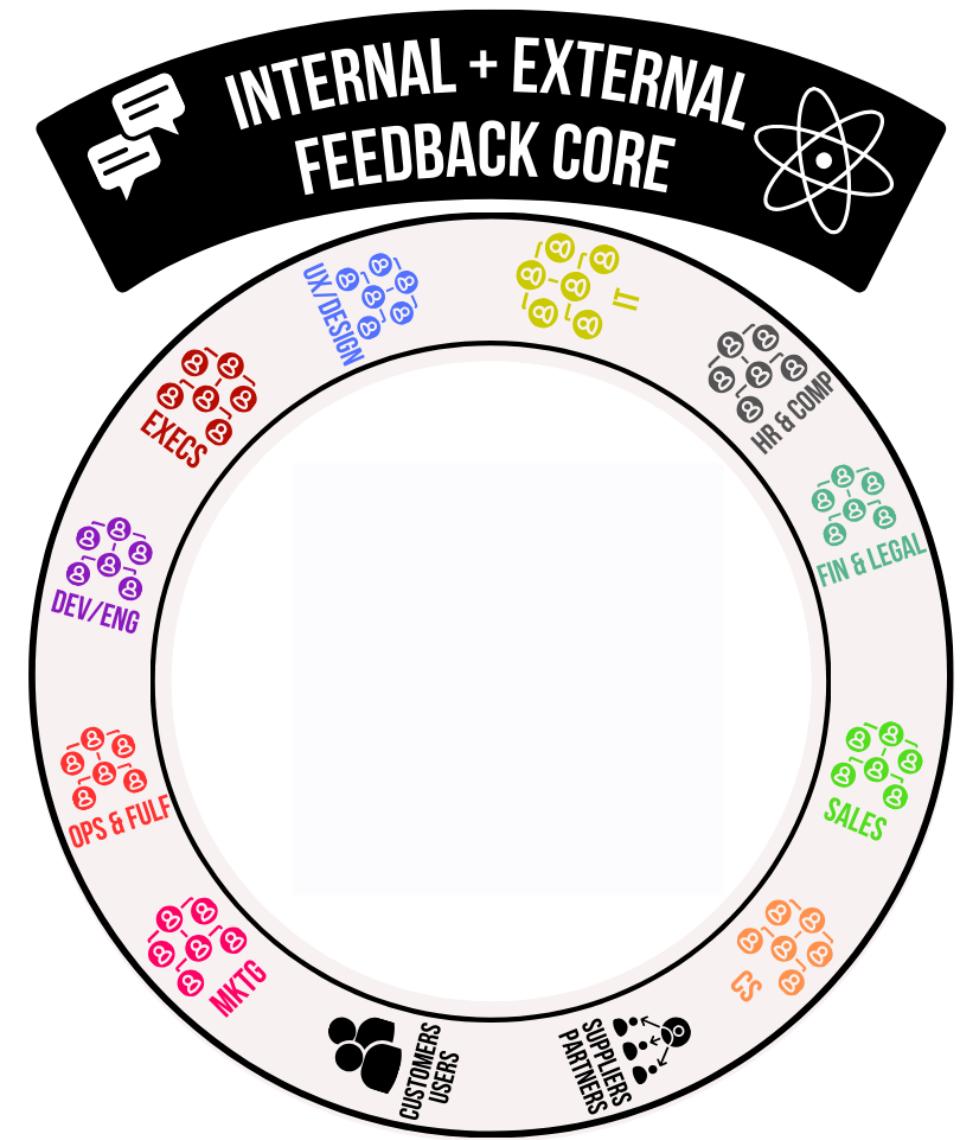
COMMUNICATION IMPLEMENTATION

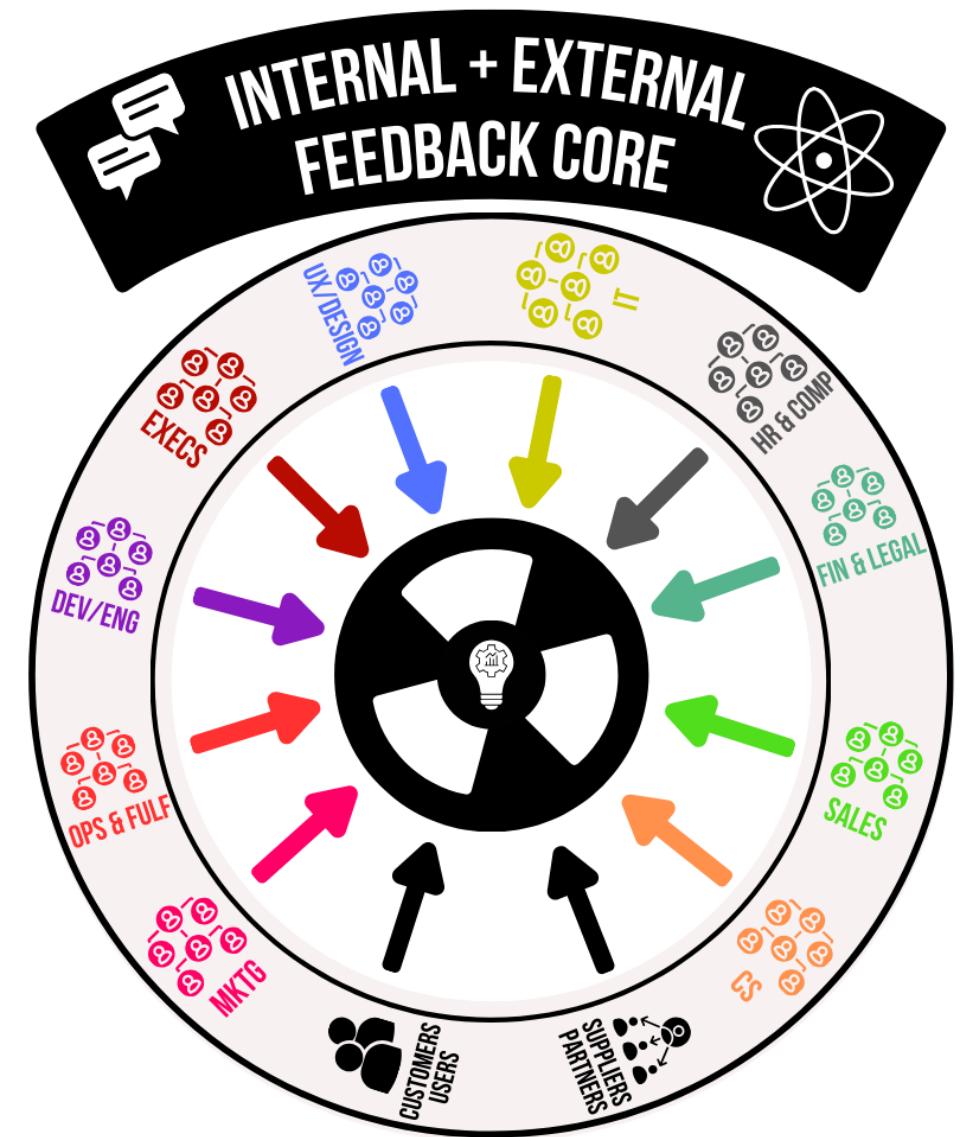


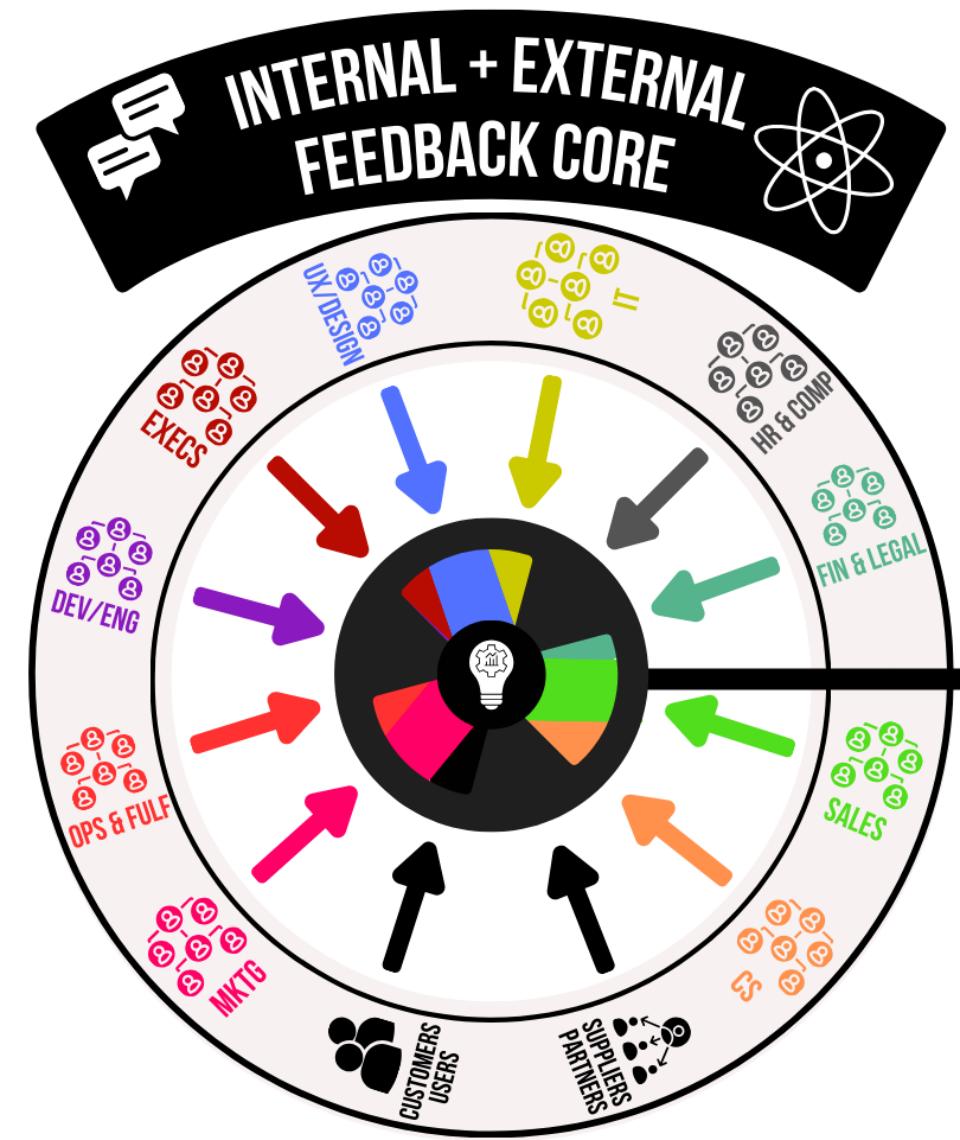


INTERNAL + EXTERNAL FEEDBACK CORE









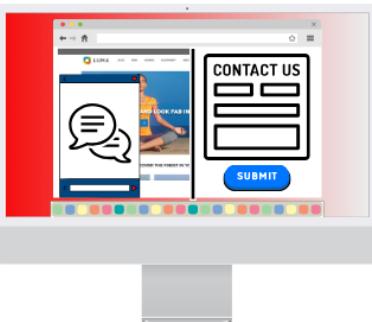
FORM/SURVEY



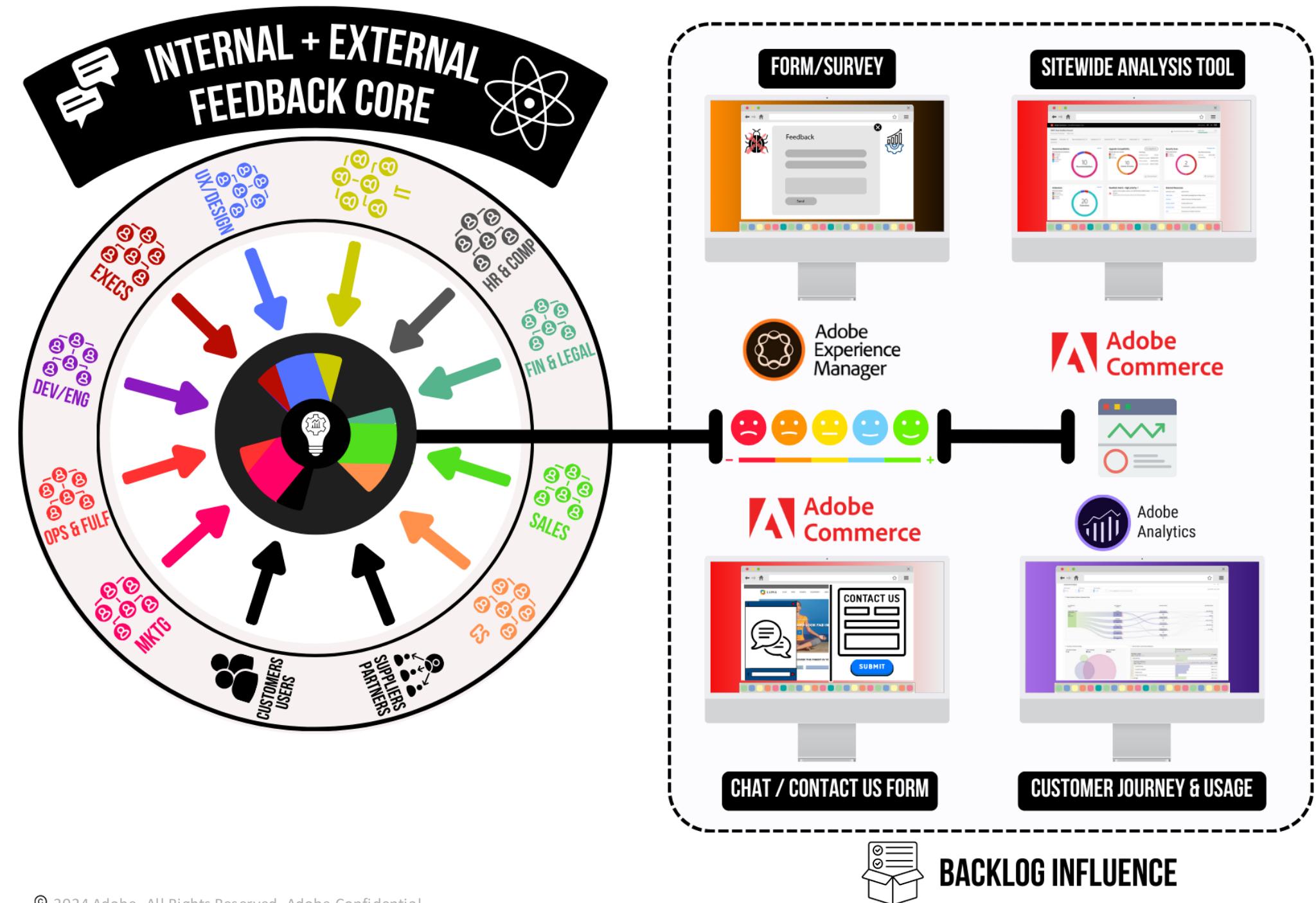
 Adobe Experience Manager

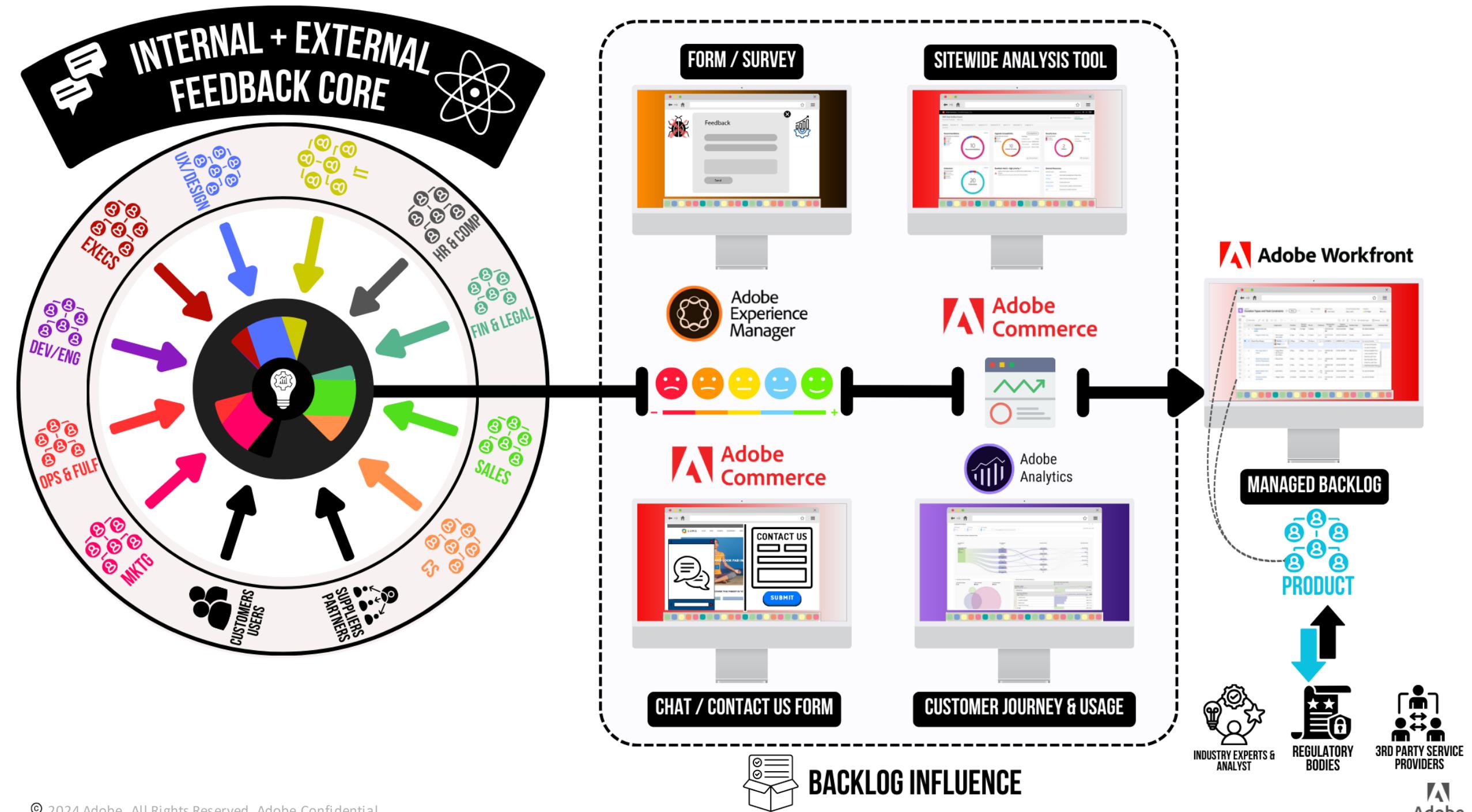


 Adobe Commerce



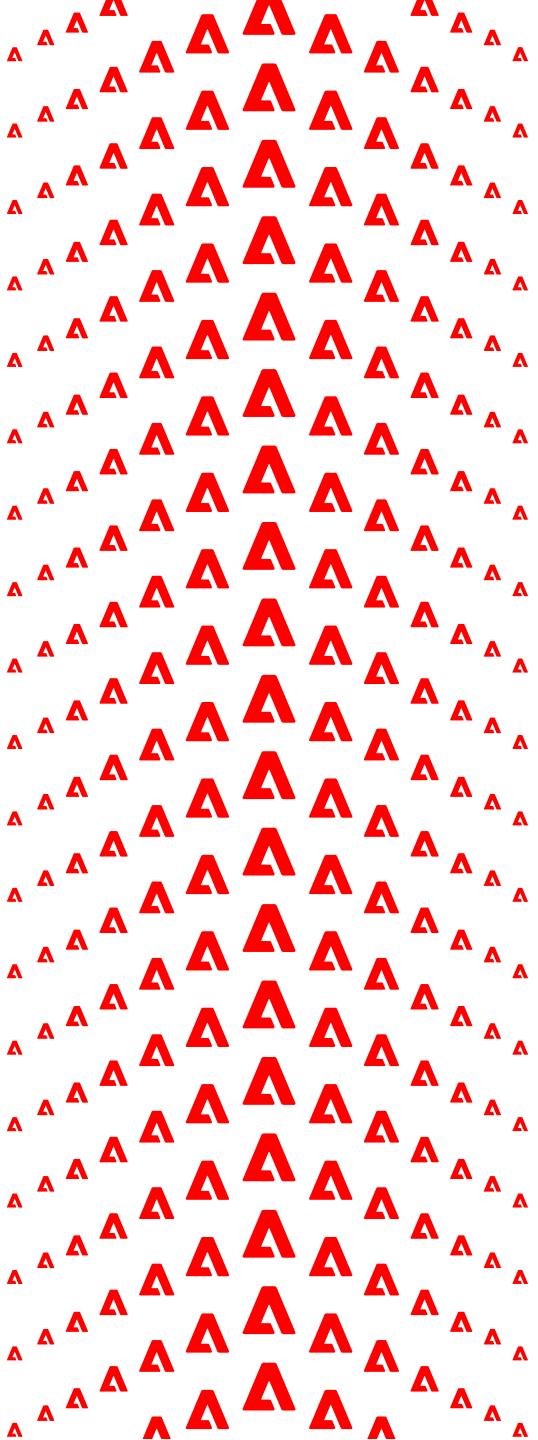
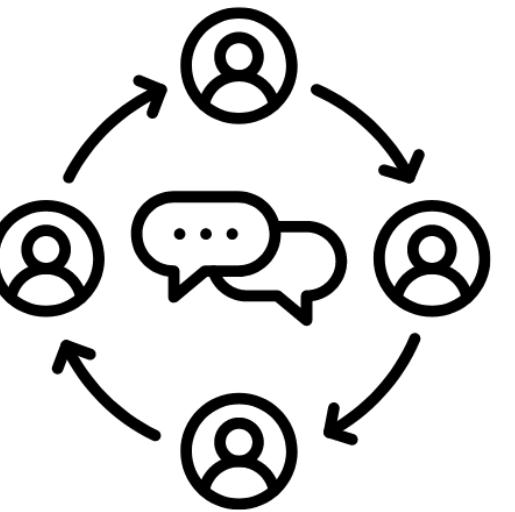
CHAT / CONTACT US FORM



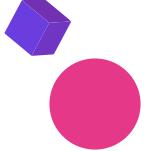


COMMUNICATION

IMPLEMENTING TRANSPARENCY



DEMO SCENARIO | INTERNAL ORGANIZATION TRANSPARENCY



Adobe
Experience
Manager

The dashboard features the following sections:

- PRIORITY LEVEL CLASSIFICATIONS**: A table showing SLA based on priority level:

LEVEL	SLA
! URGENT:	< 1 HR
! HIGH:	< 24 HRS
! LOW:	1-3 DAYS
- BACKLOG** and **CURRENTLY IN DEVELOPMENT**: Two columns of the product backlog.
- BUG & FEATURE REQUEST**, **WEB CONTENT CHANGES**, and **RELEASE NOTES** sections with submission buttons.
- TEAM** section listing team members: LILY GREENFIELD, JASMINE SOLARIS, and ROWAN LEAFWOOD.
- SPRINT TIMELINE** showing "00:01 CURRENT SPRINT".



ECOHOME
— GOODS —



Adobe
Experience
Manager

The screenshot displays the E-COMMERCE PRODUCT DEVELOPMENT DASHBOARD. At the top left is the EcoHome Goods logo. To its right is the Adobe Commerce logo. The dashboard features several sections:

- PRIORITY LEVEL CLASSIFICATIONS:** A table showing SLA (Service Level Agreement) based on priority level:

LEVEL	SLA
! URGENT:	< 1 HR
! HIGH:	< 24 HRS
! LOW:	1-3 DAYS
- BUG & FEATURE REQUEST:** Contains a lightbulb icon and a "SUBMIT" button.
- WEB CONTENT CHANGES:** Contains a globe icon and a "SUBMIT" button.
- RELEASE NOTES:** Contains a megaphone icon and a "View more" button.
- TEAM:** Lists three team members: LILY GREENFIELD, JASMINE SOLARIS, and ROWAN LEAFWOOD, each with a small profile picture.
- SPRINT TIMELINE:** Shows a digital timer at 00:01 and the text "CURRENT SPRINT".

Below these sections are two large boxes: "BACKLOG" and "CURRENTLY IN DEVELOPMENT", each containing several horizontal grey bars representing tasks or items.



ECOHOME
— GOODS —



Adobe
Experience
Manager

The dashboard features the following sections:

- PRIORITY LEVEL CLASSIFICATIONS:**

LEVEL	SLA
! URGENT:	< 1 HR
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- RELEASE NOTES:** Includes a megaphone icon and a "View more" button.
- TEAM:** Lists team members: LILY GREENFIELD, JASMINE SOLARIS, and ROWAN LEAFWOOD, each with a small profile picture.
- SPRINT TIMELINE:** Shows a digital timer at 00:01 and the text "CURRENT SPRINT".
- BACKLOG:** A list of items currently in the backlog.
- CURRENTLY IN DEVELOPMENT:** A list of items currently being developed.



ECOHOME
— GOODS —



Adobe
Experience
Manager

The screenshot displays the E-COMMERCE PRODUCT DEVELOPMENT DASHBOARD. At the top, the EcoHome Goods logo is on the left, and the Adobe Commerce logo is on the right. The dashboard features several sections:

- PRIORITY LEVEL CLASSIFICATIONS:** A table showing priority levels and Service Level Agreements (SLAs).

LEVEL	SLA
! URGENT:	< 1 HR
! HIGH:	< 24 HRS
! LOW:	1-3 DAYS
- BUG & FEATURE REQUEST:** Contains a lightbulb icon and a "SUBMIT" button.
- WEB CONTENT CHANGES:** Contains a globe icon and a "SUBMIT" button.
- RELEASE NOTES:** Contains a document icon and a "View more" button.
- TEAM:** A section listing three team members with their names and profile icons:
 - LILY GREENFIELD
 - JASMINE SOLARIS
 - ROWAN LEAFWOOD
- SPRINT TIMELINE:** Displays a digital timer at 00:01 and the text "CURRENT SPRINT".

Below these sections are two large, dark blue boxes labeled "BACKLOG" and "CURRENTLY IN DEVELOPMENT", each containing a list of items.



ECOHOME
— GOODS —



Adobe
Experience
Manager

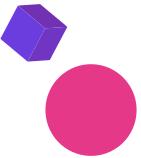
The screenshot shows a web-based dashboard titled "E-COMMERCE PRODUCT DEVELOPMENT DASHBOARD". At the top right is the "Adobe Commerce" logo. The dashboard features several sections:

- PRIORITY LEVEL CLASSIFICATIONS:** A table showing priority levels and SLAs:

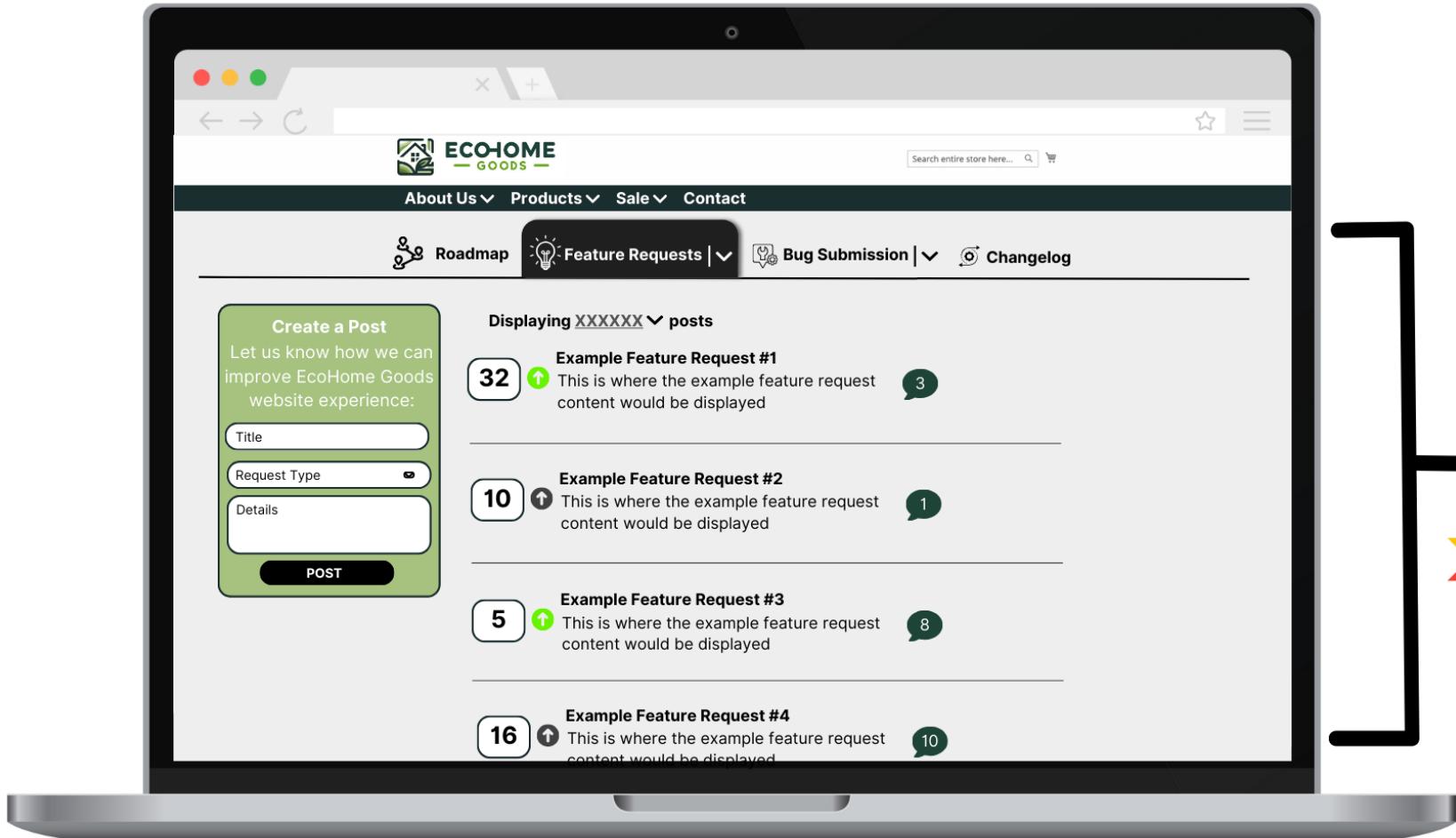
LEVEL	SLA
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- TEAM:** A list of team members with profile icons:
 - LILY GREENFIELD
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 - ROWAN LEAFWOOD
- SPRINT TIMELINE:** Displays "00:01" and "CURRENT SPRINT".

Below these sections are two large, overlapping boxes labeled "BACKLOG" and "CURRENTLY IN DEVELOPMENT".

DEMO SCENARIO | EXTERNAL ORGANIZATION TRANSPARENCY



 Adobe
Commerce



The screenshot shows a laptop displaying the Adobe Commerce interface for EcoHome Goods. The page title is "ECOHOME GOODS". The navigation bar includes links for "About Us", "Products", "Sale", "Contact", "Roadmap", "Feature Requests", "Bug Submission", and "Changelog". A search bar and a shopping cart icon are also present.

Create a Post
Let us know how we can improve EcoHome Goods website experience:

POST

Displaying XXXXXX posts

Example Feature Request #1
32 ⓘ This is where the example feature request content would be displayed 3

Example Feature Request #2
10 ⓘ This is where the example feature request content would be displayed 1

Example Feature Request #3
5 ⓘ This is where the example feature request content would be displayed 8

Example Feature Request #4
16 ⓘ This is where the example feature request content would be displayed 10



ECOHOME
— GOODS —

 canny

 pendo

 productboard



ECOHOME
— GOODS —

The image shows a laptop screen displaying the Adobe Commerce interface. The top navigation bar includes links for About Us, Products, Sale, Contact, Roadmap, Feature Requests, Bug Submission, and Changelog. A search bar and a shopping cart icon are also present. On the left, there's a sidebar titled "Create a Post" with fields for Title, Request Type, and Details, and a "POST" button. The main content area displays a list of feature requests:

- Example Feature Request #1** (32 upvotes): This is where the example feature request content would be displayed. (3 comments)
- Example Feature Request #2** (10 upvotes): This is where the example feature request content would be displayed. (1 comment)
- Example Feature Request #3** (5 upvotes): This is where the example feature request content would be displayed. (8 comments)
- Example Feature Request #4** (16 upvotes): This is where the example feature request content would be displayed. (10 comments)

canny
pendo
productboard



ECOHOME
— GOODS —

The screenshot shows a laptop displaying the Adobe Commerce interface for the EcoHome Goods store. The top navigation bar includes links for About Us, Products, Sale, and Contact. Below the navigation is a secondary header with links for Roadmap, Feature Requests, Bug Submission, and Changelog. A search bar and a shopping cart icon are also present.

Create a Post
Let us know how we can improve EcoHome Goods website experience:

Title
Request Type
Details

POST

Displaying XXXXXX posts

- Example Feature Request #1**
32 This is where the example feature request content would be displayed
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10 This is where the example feature request content would be displayed
- Example Feature Request #3**
5 1 This is where the example feature request content would be displayed
- Example Feature Request #4**
16 10 This is where the example feature request content would be displayed

canny
pendo
productboard



ECOHOME
— GOODS —

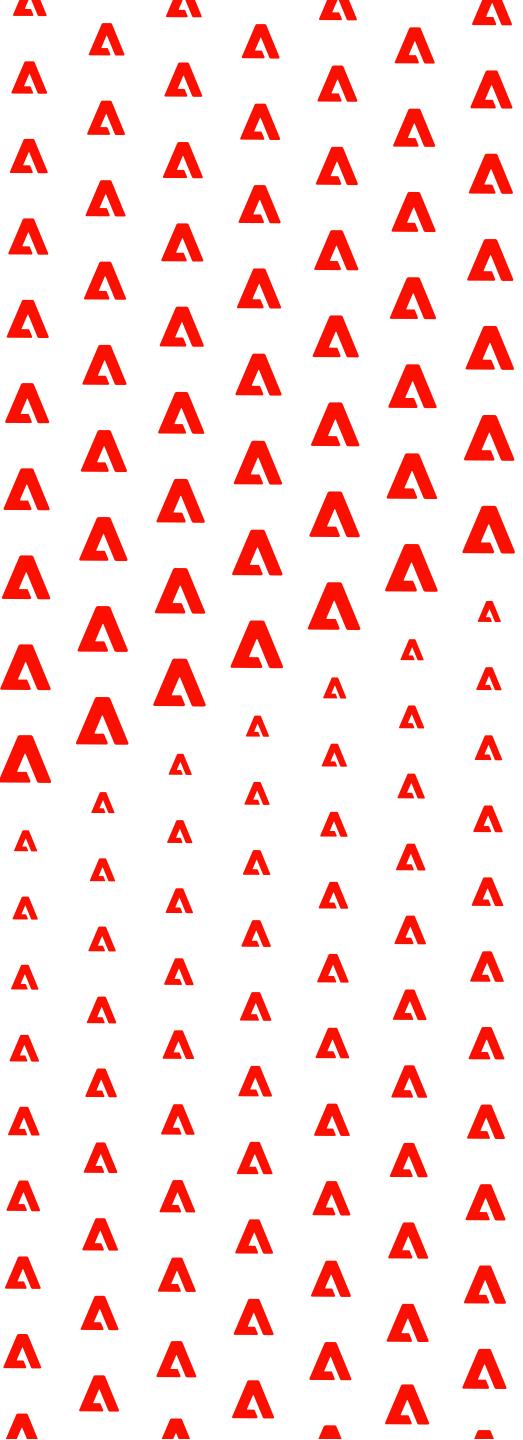
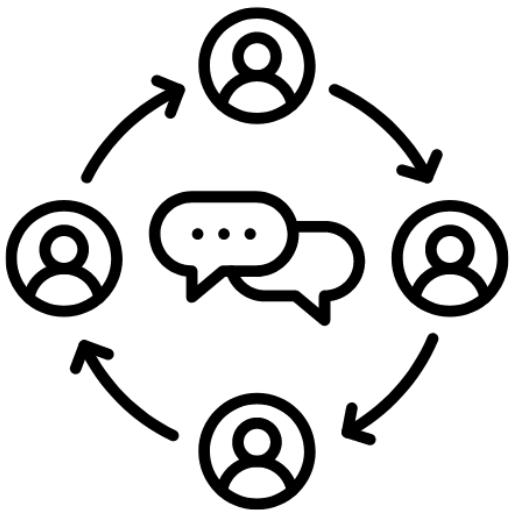
The screenshot shows a laptop displaying the Adobe Commerce interface for the "ECOHOME GOODS" store. The interface includes a navigation bar with links for "About Us", "Products", "Sale", and "Contact". Below the navigation is a toolbar with icons for "Roadmap", "Feature Requests", "Bug Submission", and "Changelog". On the left, a sidebar titled "Create a Post" contains fields for "Title", "Request Type", and "Details", with a "POST" button at the bottom. The main content area displays a list of feature requests:

- Example Feature Request #1** (32 upvotes): This is where the example feature request content would be displayed.
- Example Feature Request #2** (10 upvotes): This is where the example feature request content would be displayed.
- Example Feature Request #3** (5 upvotes): This is where the example feature request content would be displayed.
- Example Feature Request #4** (16 upvotes): This is where the example feature request content would be displayed.

canny
pendo
productboard

COMMUNICATION

PRACTICAL EXAMPLE



ENHANCING PRODUCT DETAIL PAGES

Cross-Functional Insights:

Sales highlight queries on eco-friendliness, customer support on sustainability certifications, and development notes high bounce rates on product detail pages.

Communication Tools:

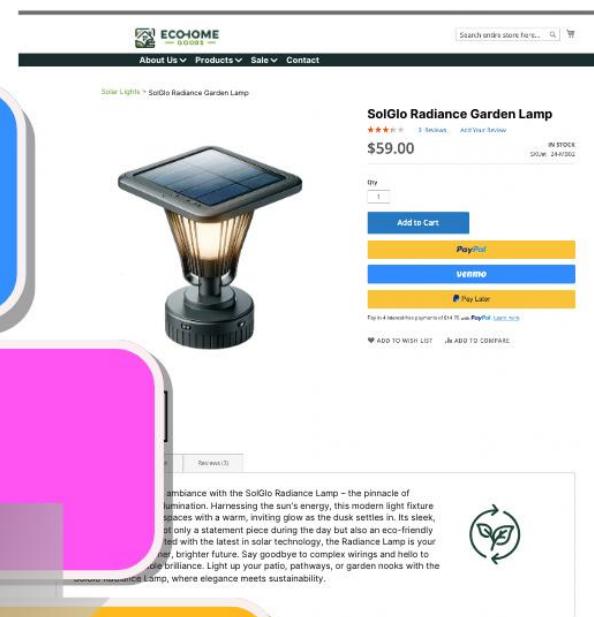
Utilizing product development dashboard for request transparency, Workfront for task management, and creating a prioritized list focusing on material transparency and environmental impact.

Customer-Driven Enhancements:

Customer feedback, gathered through targeted email surveys and an interactive section on the website, reveals a strong interest in understanding the environmental impact of their purchases. Customers would like more information on how products contribute to a sustainable lifestyle

Prioritization Strategy:

Analysis of website traffic and engagement metrics indicates that pages featuring detailed eco-certifications and engaging stories about product origin and environmental impact see significantly higher engagement and conversion rates.



TEST CASES



About Us ▾ Products ▾ Sale ▾



Search entire store here...

Solar Lights > SolGlo Radiance Garden Lamp

SolGlo Radiance Garden Lamp

★★★★★ 3 Reviews Add Your Review

\$59.00

IN STOCK
SKU#: 24-MB02

Qty

1

Add to Cart

PayPal

venmo

Pay Later



Details More Information Reviews (3)

Elevate your garden's ambiance with the SolGlo Radiance Lamp – the pinnacle of sustainable outdoor illumination. Harnessing the sun's energy, this modern light fixture imbues your outdoor spaces with a warm, inviting glow as the dusk settles in. Its sleek, geometric design is not only a statement piece during the day but also an eco-friendly beacon by night. Crafted with the latest in solar technology, the Radiance Lamp is your step towards a greener, brighter future. Say goodbye to complex wirings and hello to effortless, renewable brilliance. Light up your patio, pathways, or garden nooks with the SolGlo Radiance Lamp, where elegance meets sustainability.



About Us ▾ Products ▾ Sale ▾



Search entire store here...

Air Purifiers > GreenBreathe EcoPurifier

GreenBreathe EcoPurifier

★★★★★ 40 reviews Add Your Review

\$89.00

IN STOCK
SKU#: 24-MB02

Qty

1

Add to Cart

PayPal

venmo

Pay Later



GreenBreathe EcoPurifier: Breathe Naturally, Live Sustainably

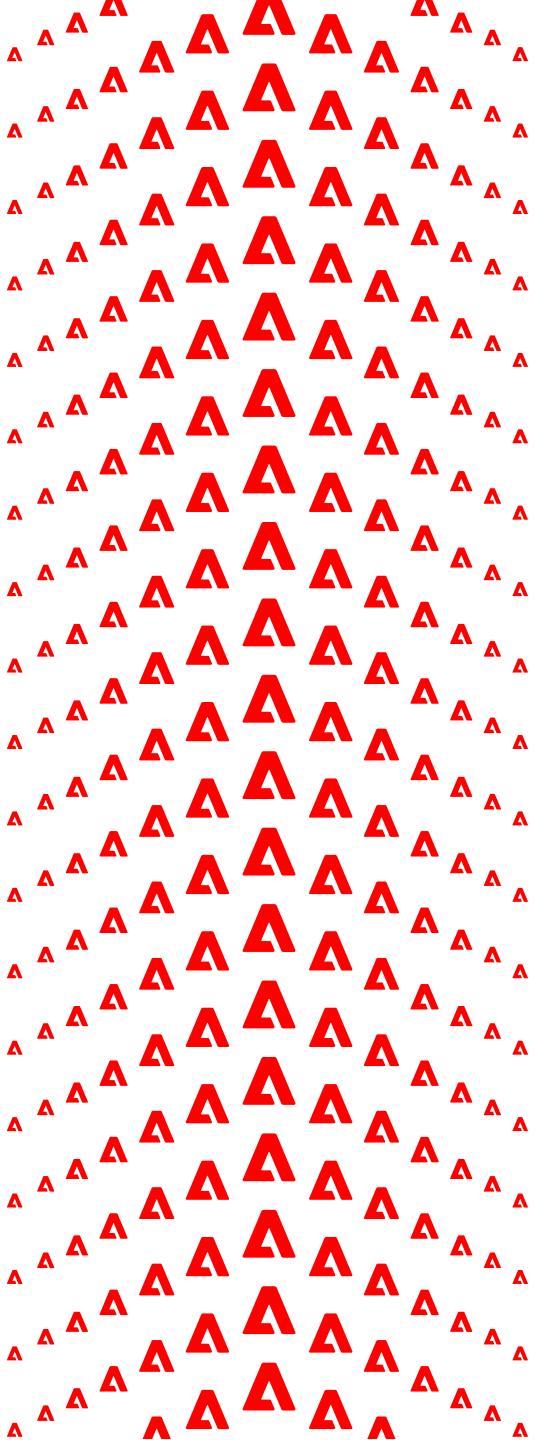
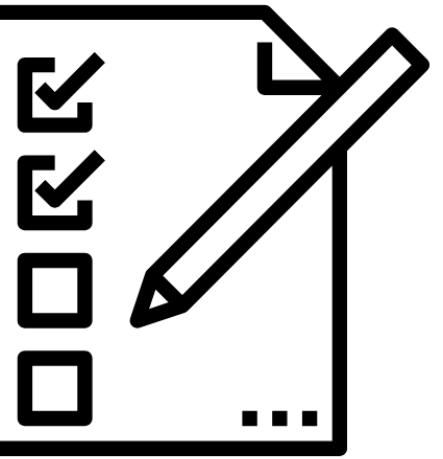
Discover the purity of nature with every breath you take, thanks to the GreenBreathe EcoPurifier. Certified by the Global Eco-Environmental Standards (GEES), this innovative air purifier is a testament to sustainable design and responsible innovation.

Crafted from biodegradable materials sourced from responsibly-managed forests, the EcoPurifier's journey begins in the lush greenery of the Amazon. Local artisans, committed to traditional practices that honor the earth's resources, skillfully shape each purifier. This not only provides you with a product steeped in heritage but also supports the livelihoods of indigenous communities.

Our patented **PlantSync™** technology integrates living plants into the filtration process, transforming harmful pollutants into clean air, just as nature intended. By harnessing the phytoremediation power of plants, the EcoPurifier doesn't just filter your air; it revitalizes it, contributing to a healthier planet by reducing indoor air pollutants known to impact climate change.

The EcoPurifier's impact resonates beyond its immediate surroundings. For every unit sold, we pledge to plant a tree, reinforcing our commitment to reforestation efforts and CO₂ reduction. Embrace the GreenBreathe EcoPurifier, and join us on a journey towards a cleaner, greener, and more sustainable future.

REQUIREMENTS ANALYSIS & PLANNING

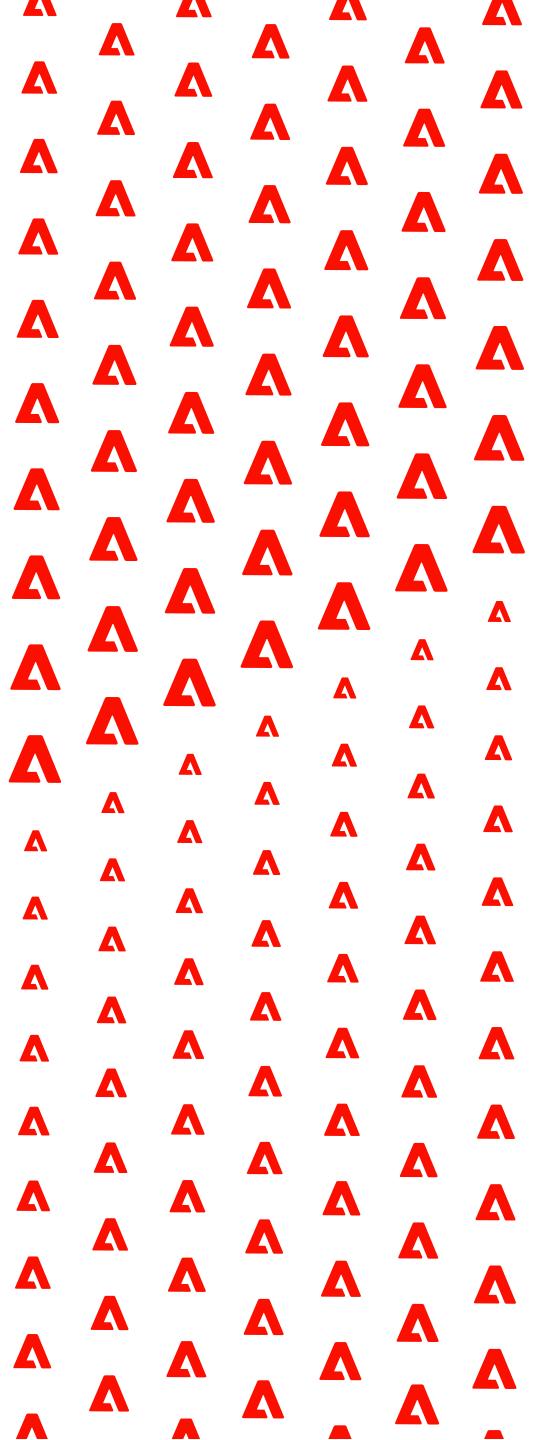
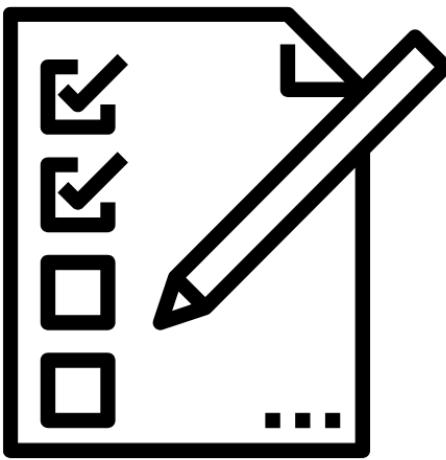


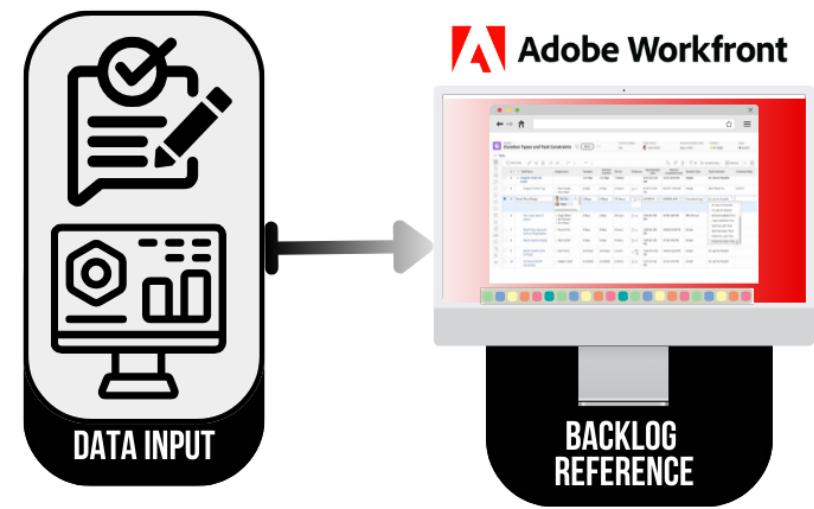
Requirements Process



REQUIREMENTS

IMPLEMENTATION







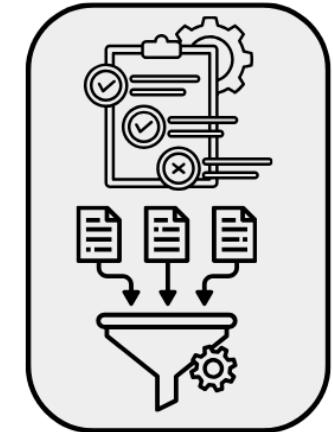
DATA INPUT

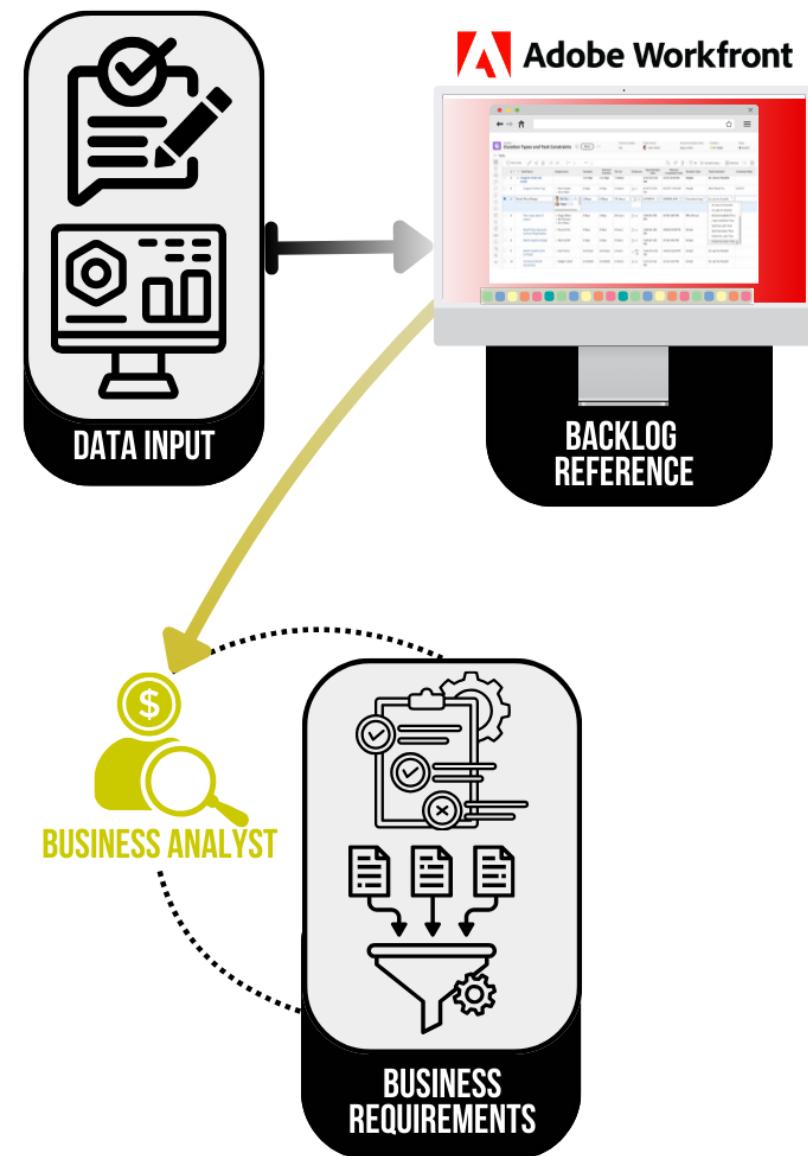


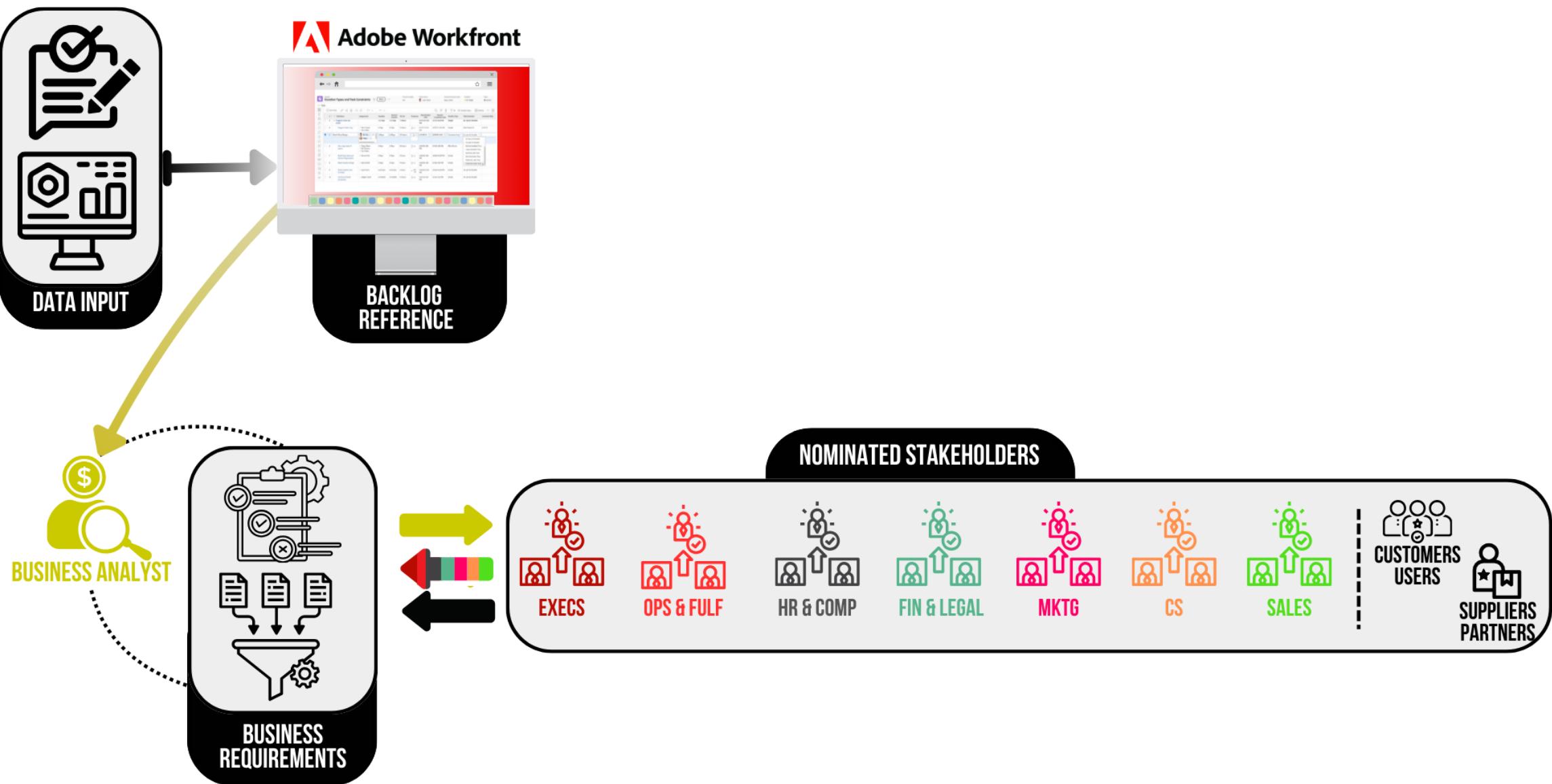
ROLE RESPONSIBILITIES



1. ANALYZE REQUESTS
2. GATHER REQUIREMENTS
3. PRIORITIZE NEEDS
4. DOCUMENT SPECIFICATIONS
5. FACILITATE COMMUNICATION

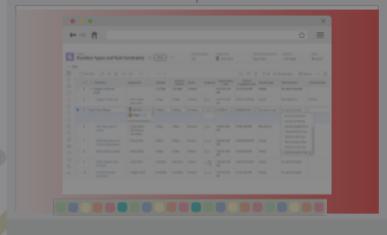




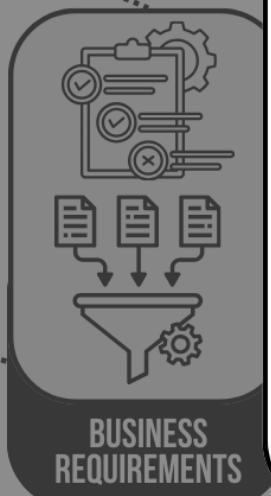




DATA INPUT



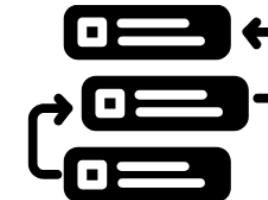
BUSINESS ANALYST

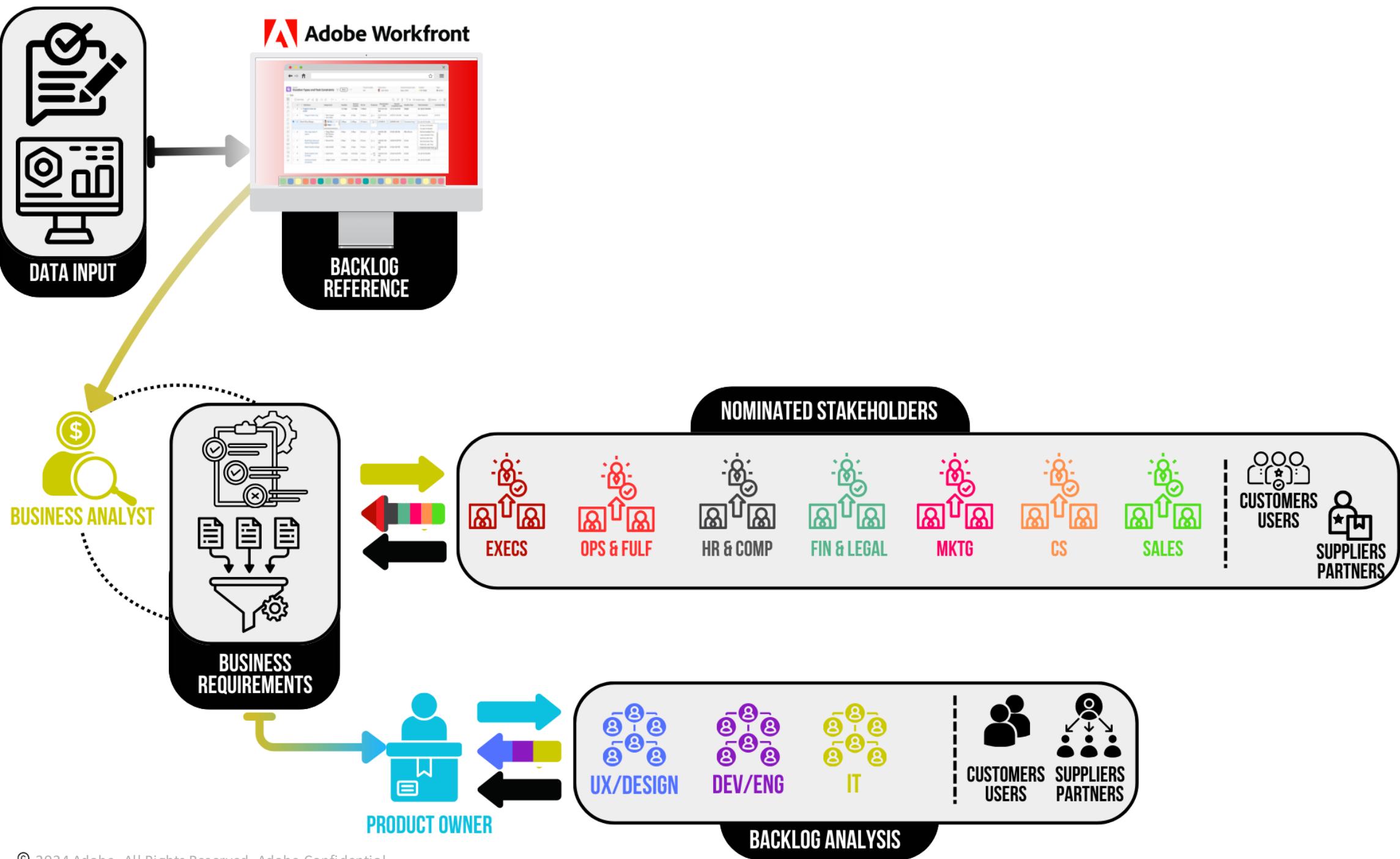
BUSINESS
REQUIREMENTS

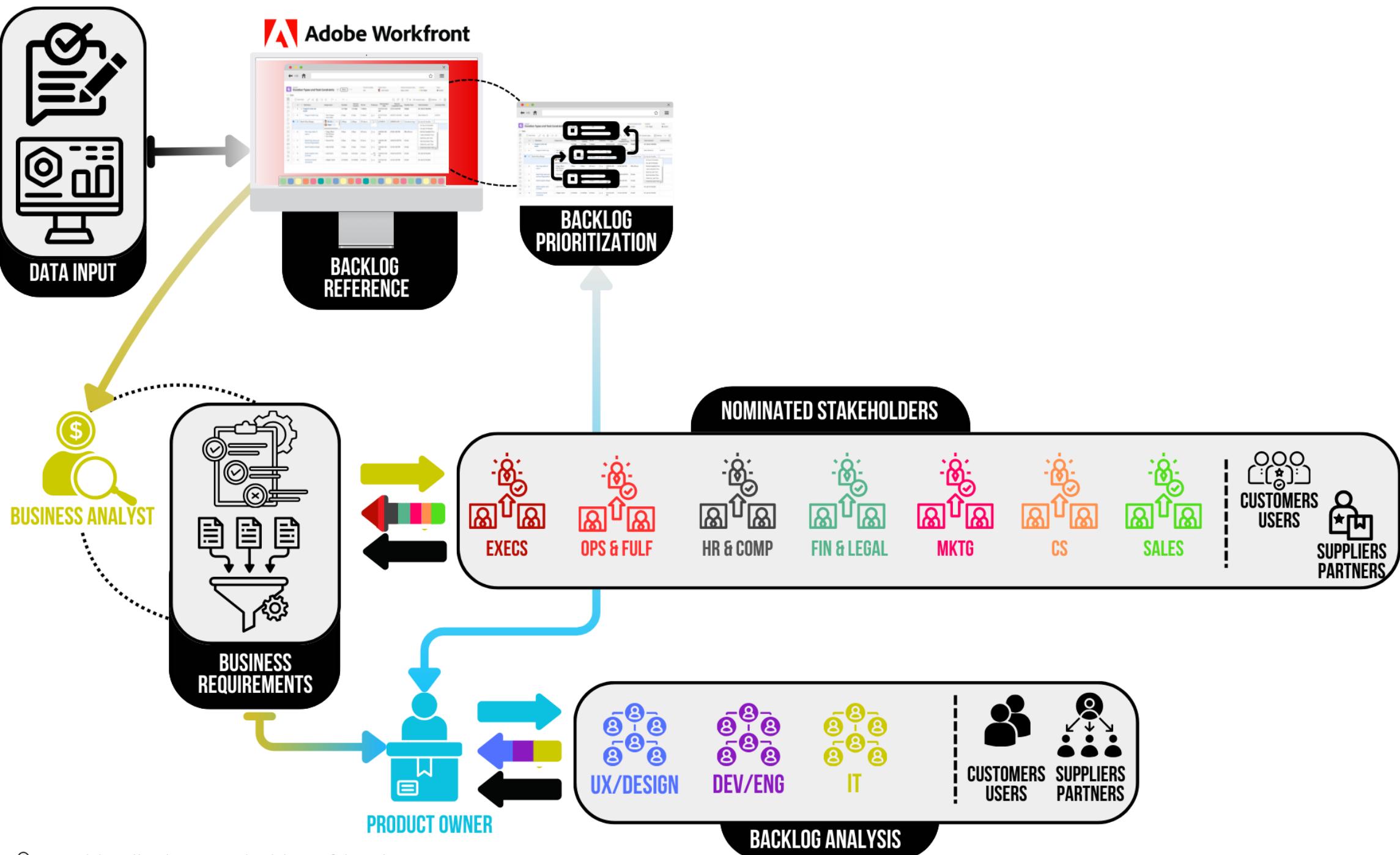
PRODUCT OWNER

ROLE RESPONSIBILITIES

1. REVIEW AND REFINE
2. BACKLOG PRIORITIZATION
3. DEFINE SPRINT GOALS
4. COLLABORATE WITH THE TEAM
5. STAKEHOLDER COMMUNICATION



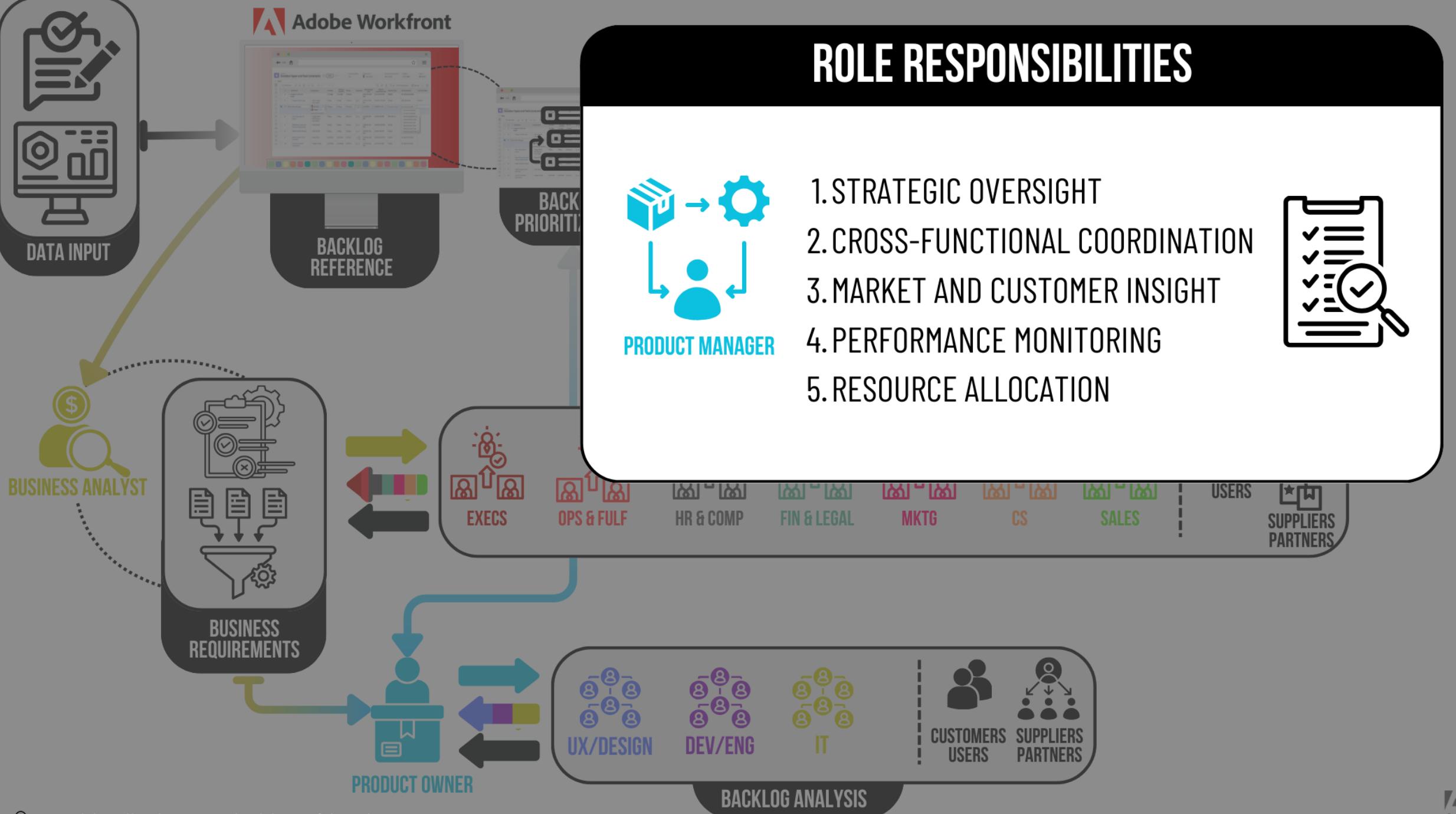


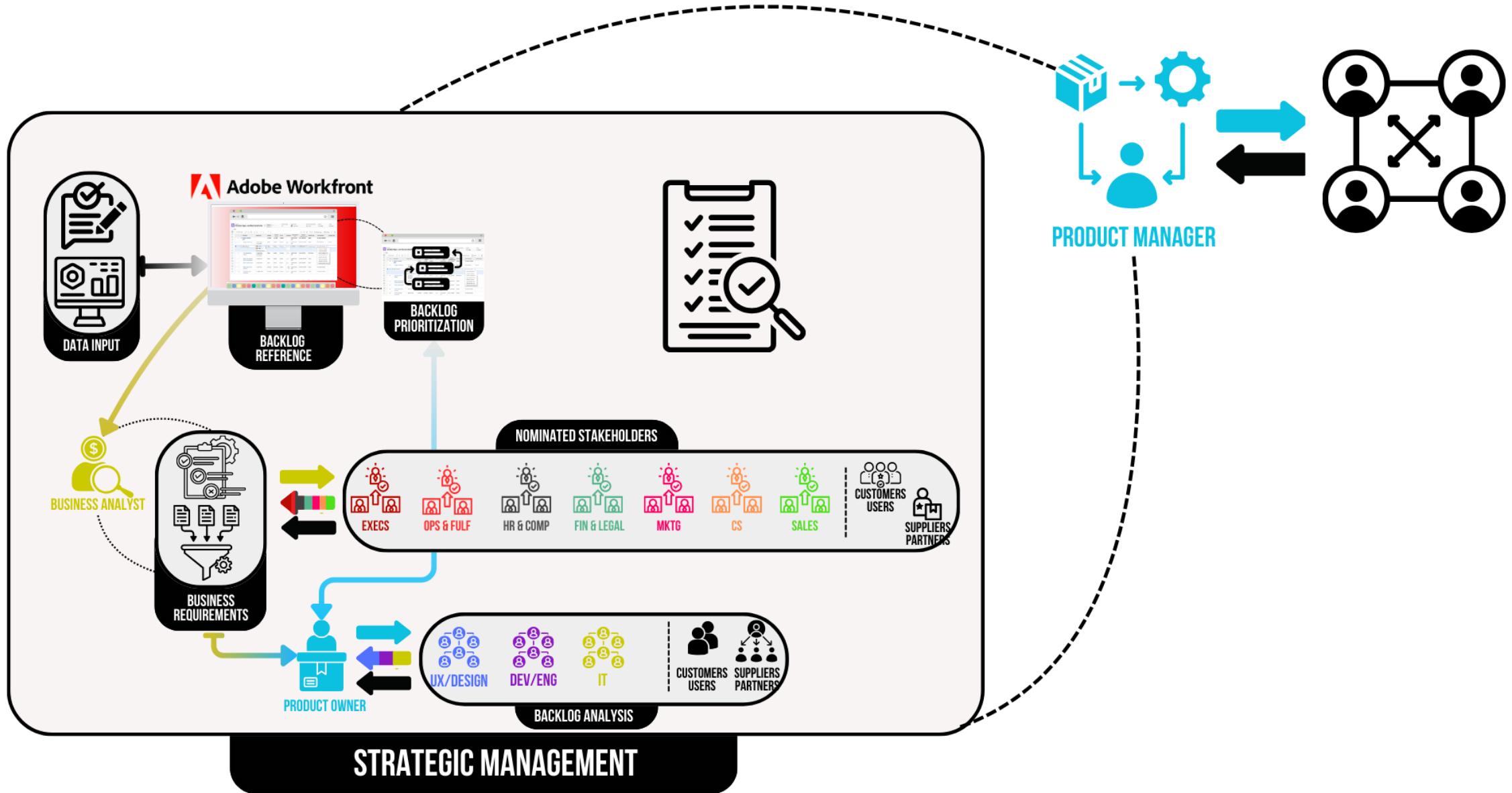


ROLE RESPONSIBILITIES



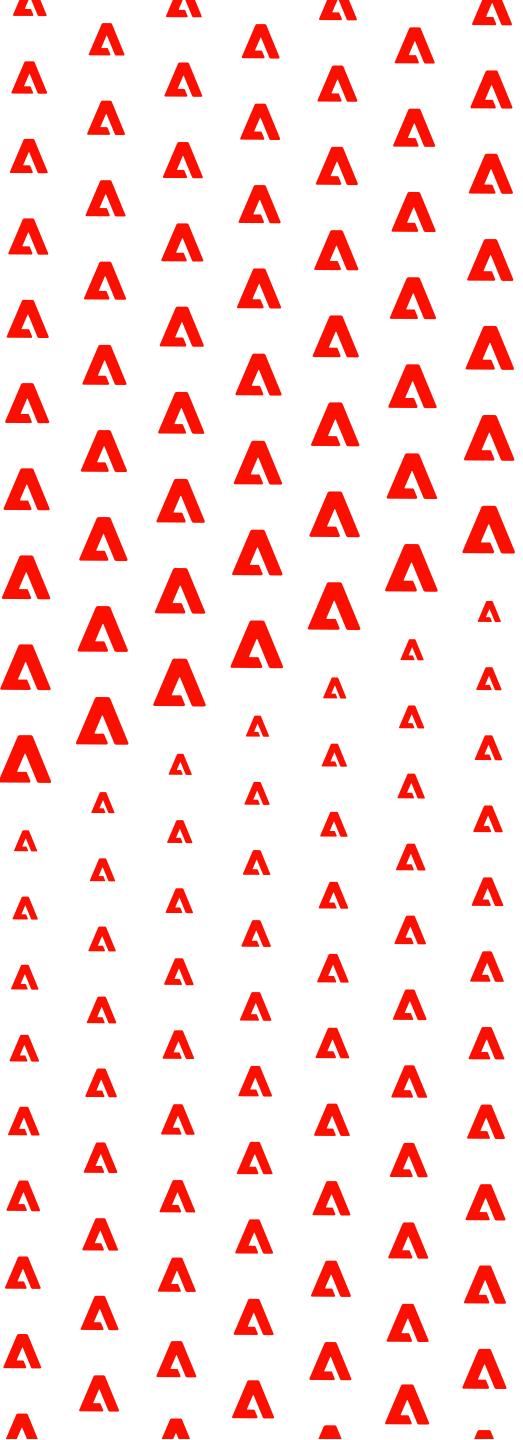
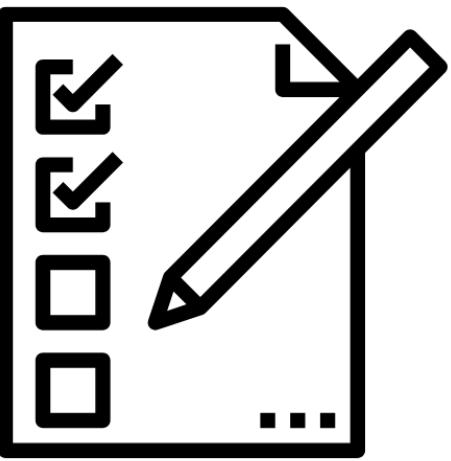
1. STRATEGIC OVERSIGHT
2. CROSS-FUNCTIONAL COORDINATION
3. MARKET AND CUSTOMER INSIGHT
4. PERFORMANCE MONITORING
5. RESOURCE ALLOCATION





REQUIREMENTS

PRACTICAL EXAMPLE



ENHANCING PRODUCT DETAIL PAGES REQUIREMENTS & PLANNING

Stakeholder Engagement:

Business Analyst organized workshops with the product team, marketing experts, and external stakeholders, including suppliers and eco-certification agencies. The intention was to understand the nuances of what our customers valued in eco-friendly products.

Requirements Gathering:

Based on these discussions, the team compiled a Business Requirements Document that captured the essence of what they needed to change. It included technical specifications for displaying certifications and an interactive module for customers to see the product's journey from raw material to final product.

User Story Development:

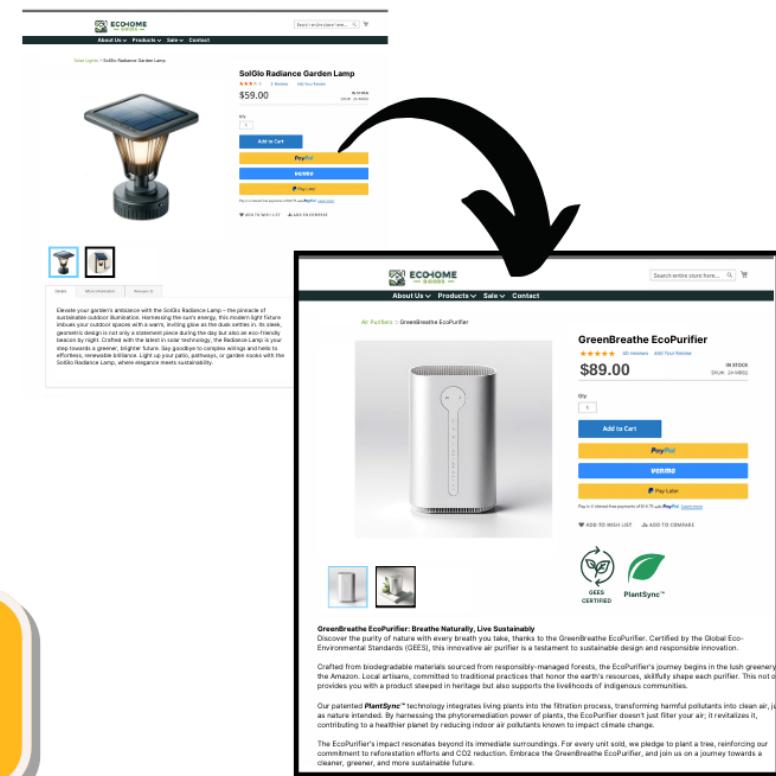
Transitioning from the BRD, the team crafted user stories with clear acceptance criteria. One such story was for customers to view a "product journey" timeline, providing transparency into the product's environmental impact from creation to delivery.

Collaboration with the Product Owner:

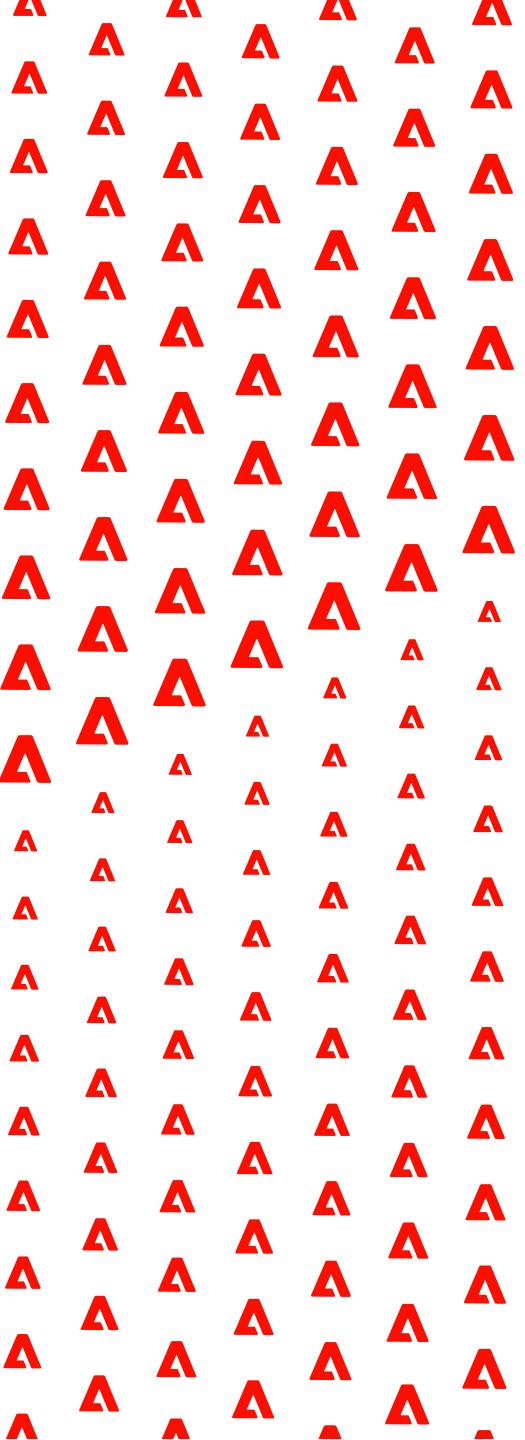
I worked closely with our Product Owner to refine these user stories and prioritize them for the next development sprint. We ensured each story aligned with our strategic goal of enhancing customer trust through transparency.

Expected Outcome:

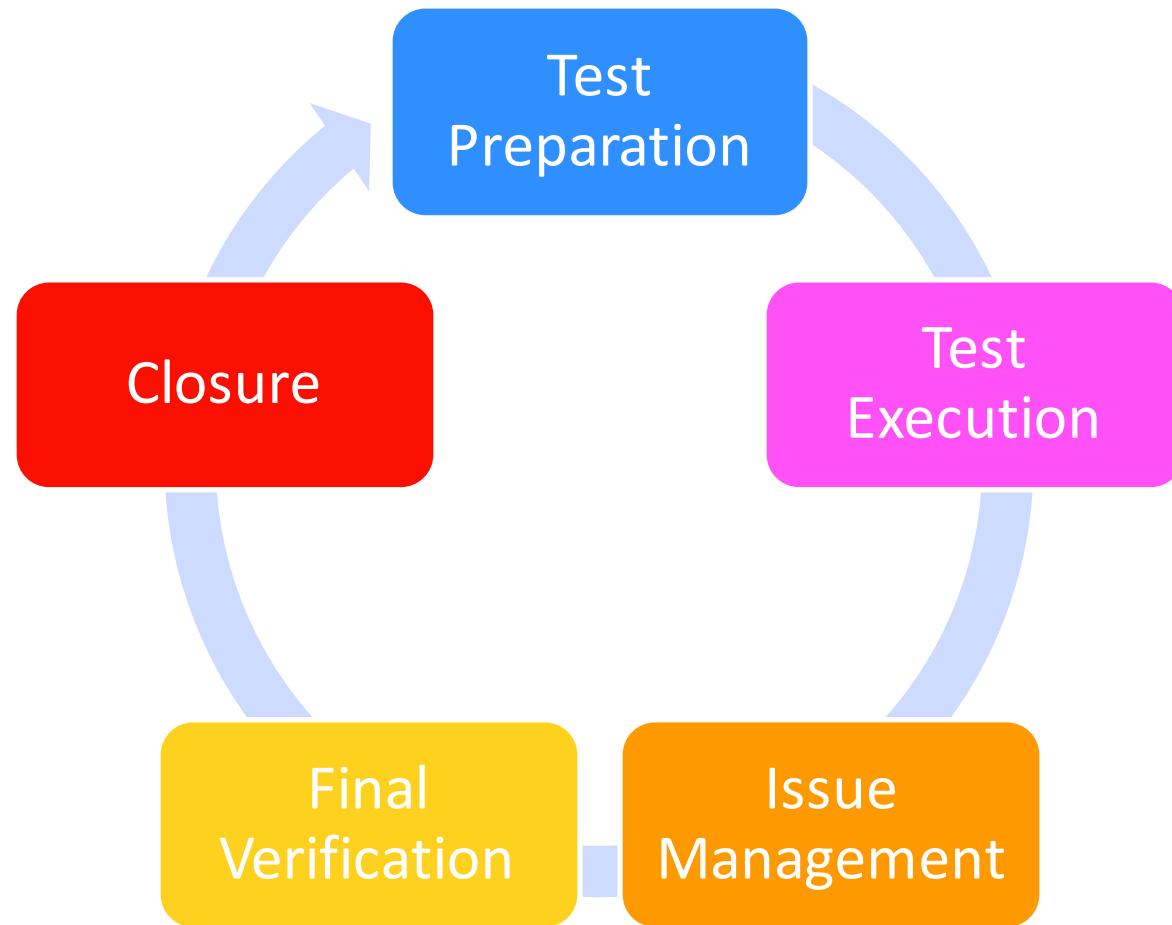
The revamped product detail pages lead to a notable decrease in customer inquiries regarding sustainability, a reduction in page bounce rates, and a significant increase in conversions, affirming the effectiveness of a communication-centric approach in meeting both customer expectations and business objectives.



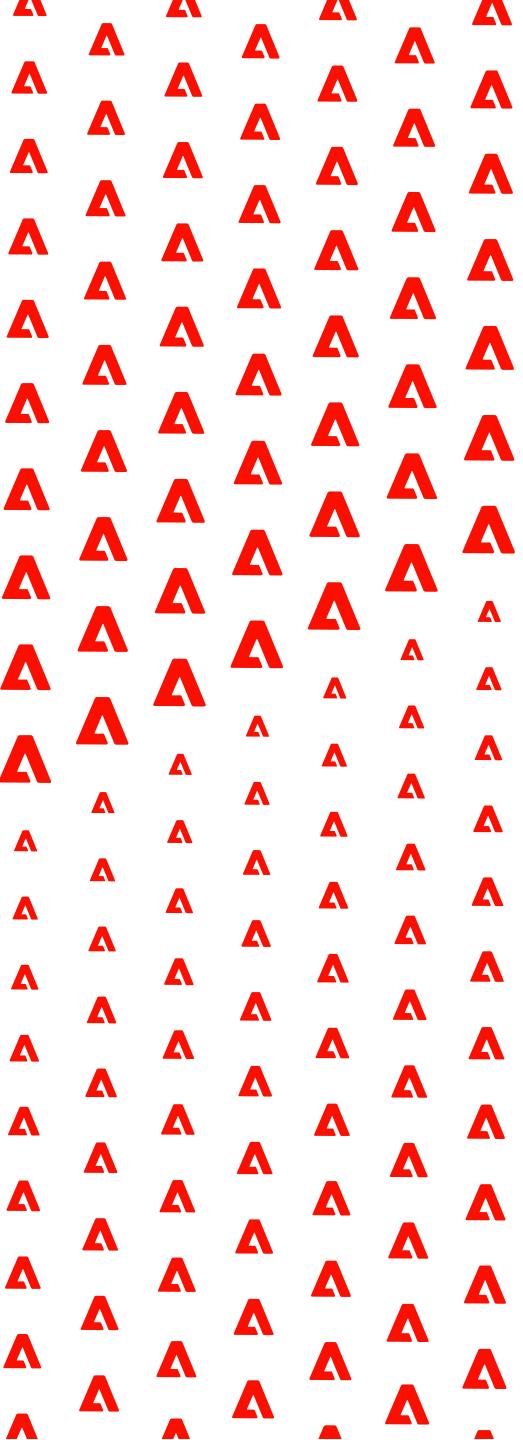
TESTING EXCELLENCE



Testing in Agile SDLC



TESTING IMPLEMENTATION





1 REVIEW USER STORIES & ACCEPTANCE CRITERIA



2 PREPARE TEST CASES



3 SET UP TESTING ENVIRONMENT



4 AUTOMATE TESTING SETUP



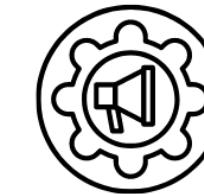
5 EXECUTE TEST CASES



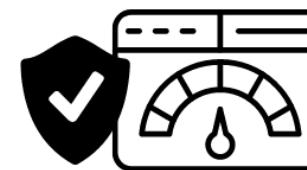
6 LOG DEFECTS



7 VERIFY FIXES



8 REGRESSION TESTING



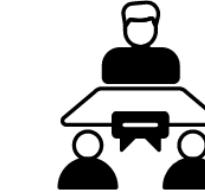
9 PERFORMANCE & SECURITY TESTING



10 UPDATE TEST DOCUMENTATION



11 STAKEHOLDER FEEDBACK



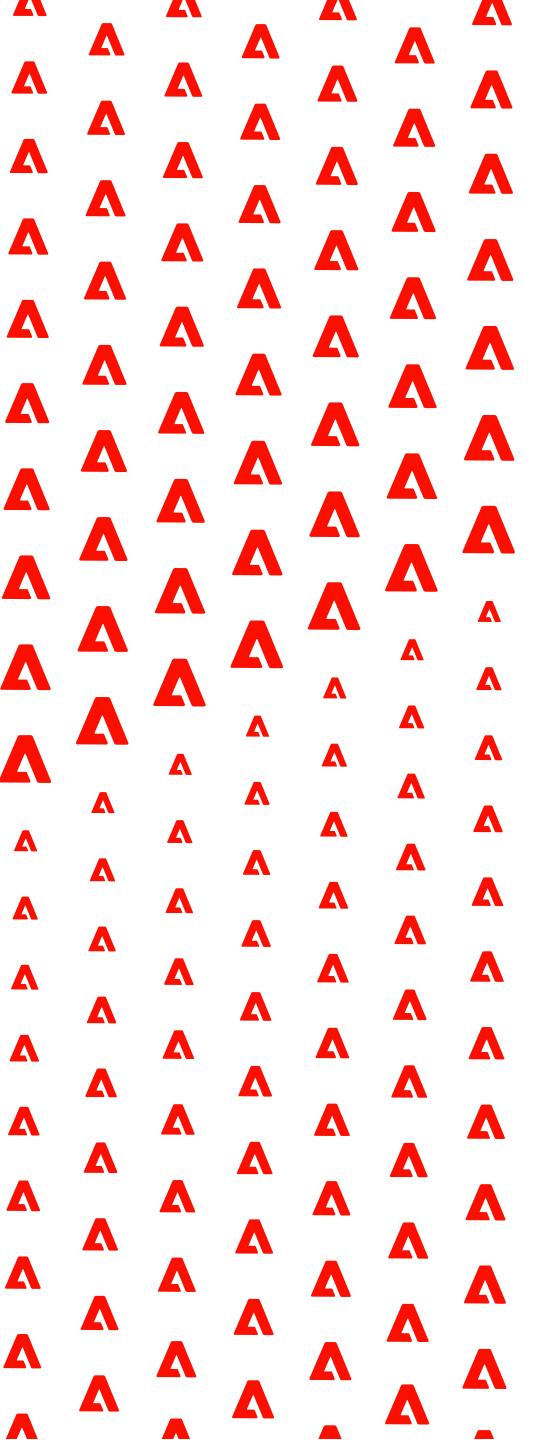
12 RETROSPECTIVE & IMPROVEMENT



13 SIGN-OFF

TESTING

PRACTICAL EXAMPLE





REVISIT USER STORIES TO UNDERSTAND THE ENHANCEMENTS' EXPECTED USER EXPERIENCE REGARDING ECO-INFORMATION AND CERTIFICATIONS.

REVIEW USER STORIES & ACCEPTANCE CRITERIA



DRAFT TEST CASES THAT SPECIFICALLY ADDRESS THE NEW ECO-FRIENDLY ATTRIBUTES AND CUSTOMER ENGAGEMENT FEATURES ON THE PRODUCT PAGES.

PREPARE TEST CASES



MIRROR THE PRODUCTION ENVIRONMENT, ENSURING THE TEST ENVIRONMENT INCLUDES THE SAME ECO-FRIENDLY THEMES AND FEATURES.

SET UP TESTING ENVIRONMENT



UPDATE AUTOMATED TESTS TO INCLUDE CHECKS FOR NEW SUSTAINABILITY INFORMATION, USER GUIDES, AND CUSTOMER TESTIMONIALS.

AUTOMATE TESTING SETUP



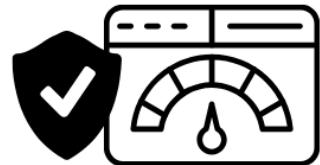
PERFORM MANUAL TESTING FOR NEW CONTENT AND AUTOMATED REGRESSION TESTS TO CONFIRM OVERALL SITE FUNCTIONALITY.

MANUAL & AUTOMATED EXECUTION



TRACK AND DOCUMENT ANY ISSUES FOUND, RETESTING TO CONFIRM RESOLUTIONS MEET THE UPDATED ECO-FRIENDLY CRITERIA.

DEFECT LOGGING & VERIFICATION



TEST THAT PAGES WITH NEW ECO-CERTIFICATIONS LOAD EFFICIENTLY AND SECURE USER DATA, MAINTAINING SITE PERFORMANCE AND TRUST

PERFORMANCE METRICS



PRESENT SPRINT DELIVERABLES TO STAKEHOLDERS, GATHERING FEEDBACK AND DISCUSSING IMPROVEMENTS IN THE RETROSPECTIVE.

FEEDBACK & RETROSPECTIVE



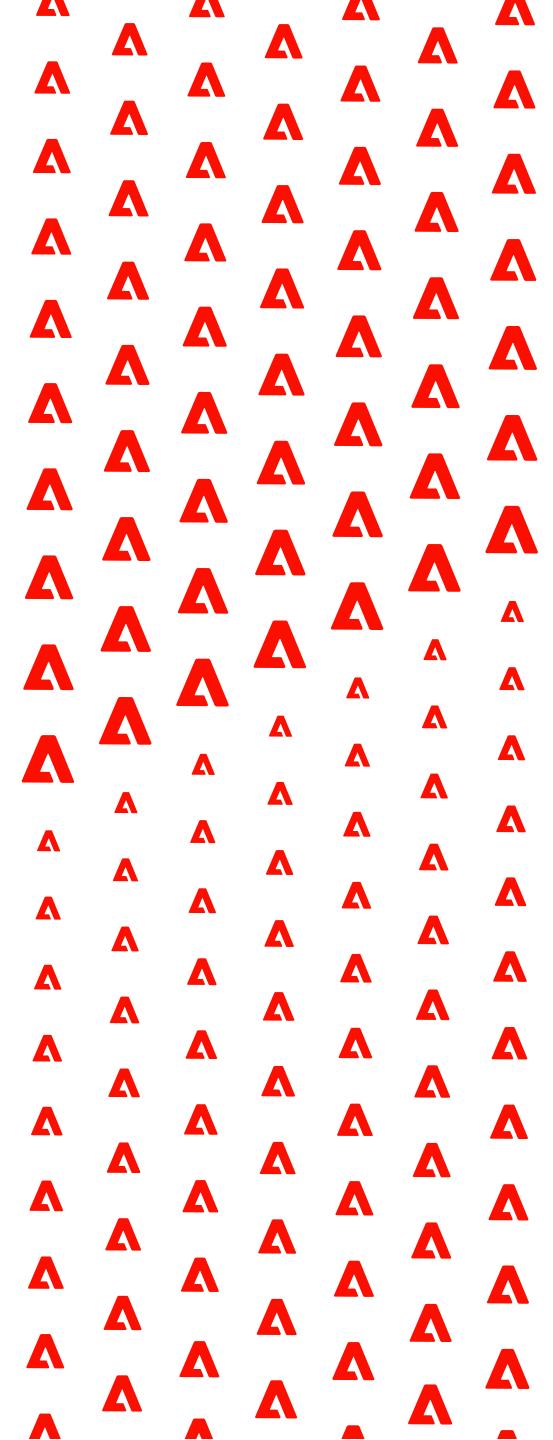
SECURE APPROVAL FROM THE TESTING TEAM, STAKEHOLDERS, AND THE SUSTAINABILITY CONSULTANT TO CONFIRM READINESS FOR PRODUCTION.

SIGN-OFF



POST-IMPLEMENTATION, WE SAW A 25% INCREASE IN CUSTOMER ENGAGEMENT ON THE PRODUCT DETAIL PAGES, A 15% REDUCTION IN QUERIES RELATED TO PRODUCT SUSTAINABILITY, AND A NOTICEABLE INCREASE IN THE CONVERSION RATE FOR PRODUCTS WITH DETAILED ECO-CERTIFICATIONS AND JOURNEY TIMELINES.

FINAL RESULTS

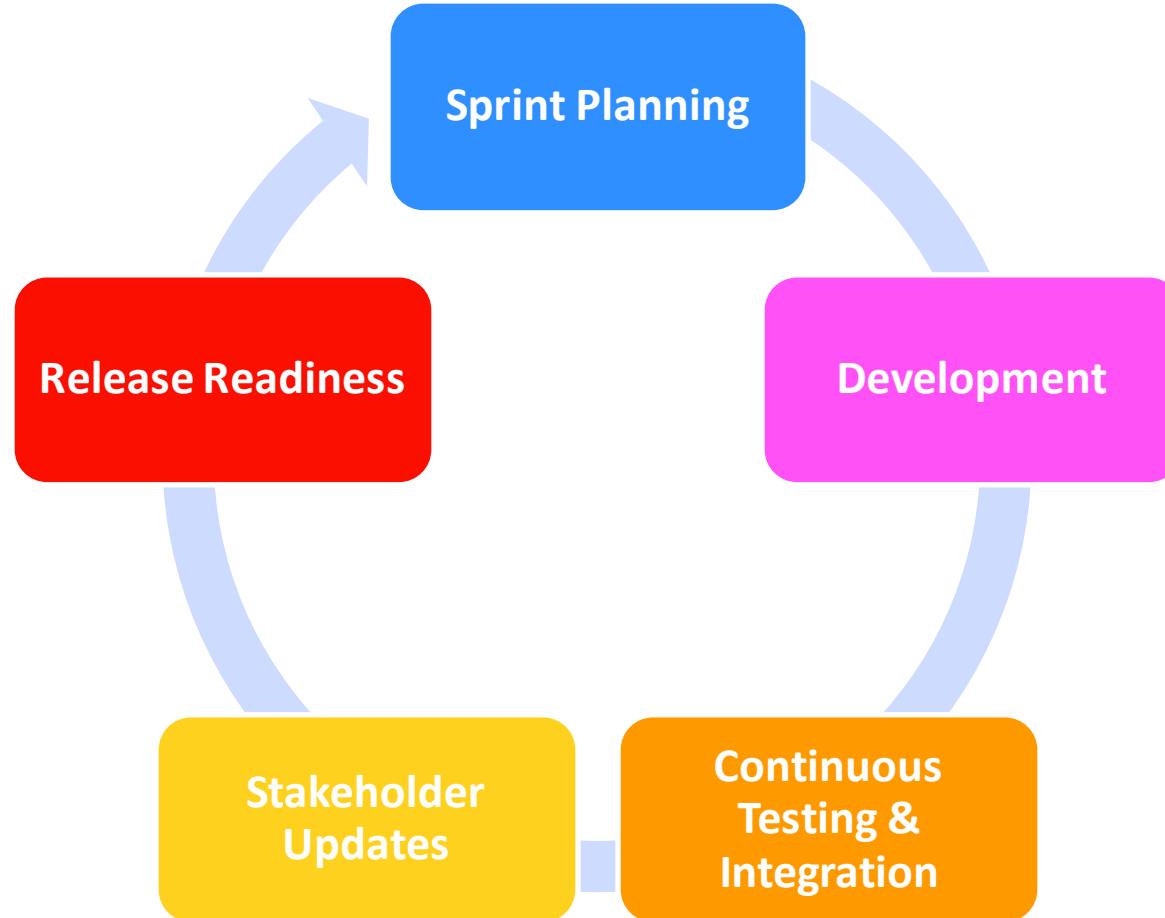


UNIFYING PROCEDURES MANAGING DUAL-SCALE PROJECT STREAMS

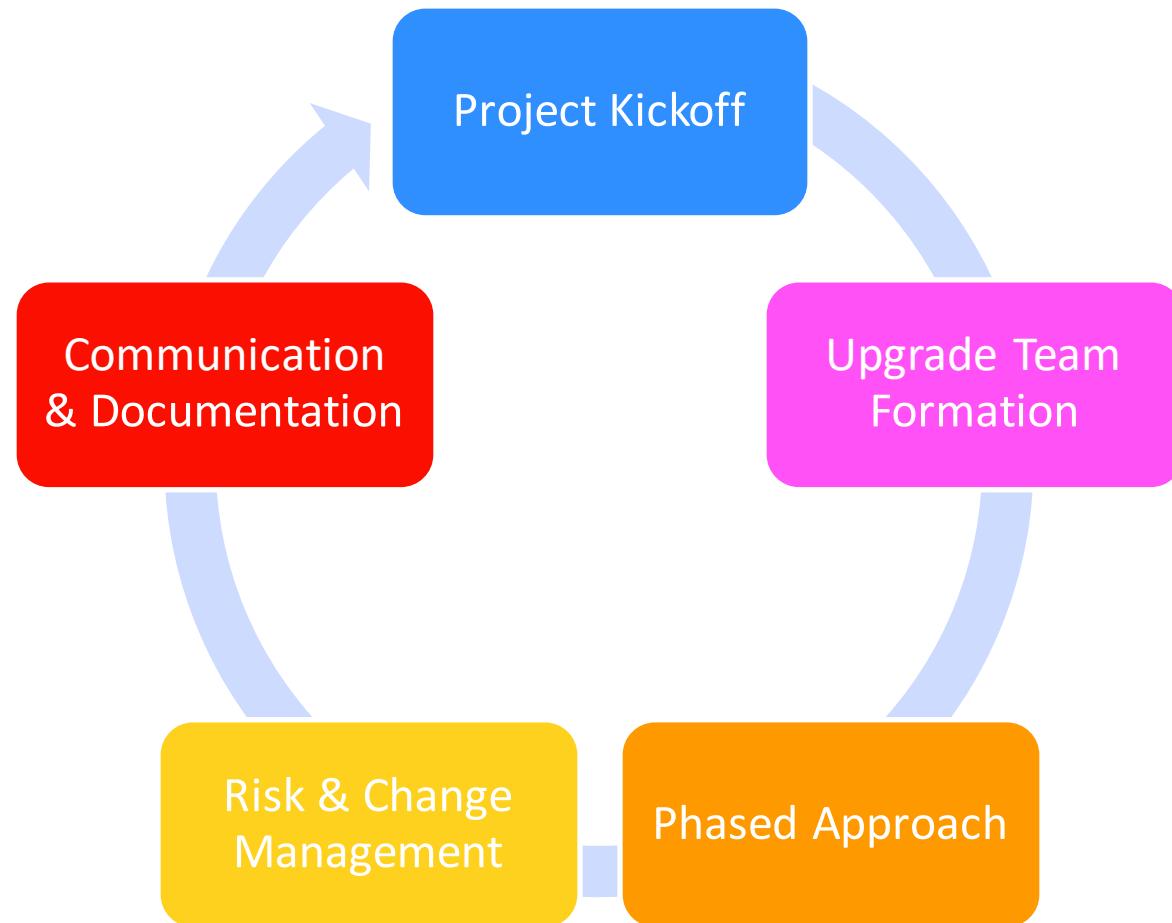
Optimizations for Dual-Scale Project Streams



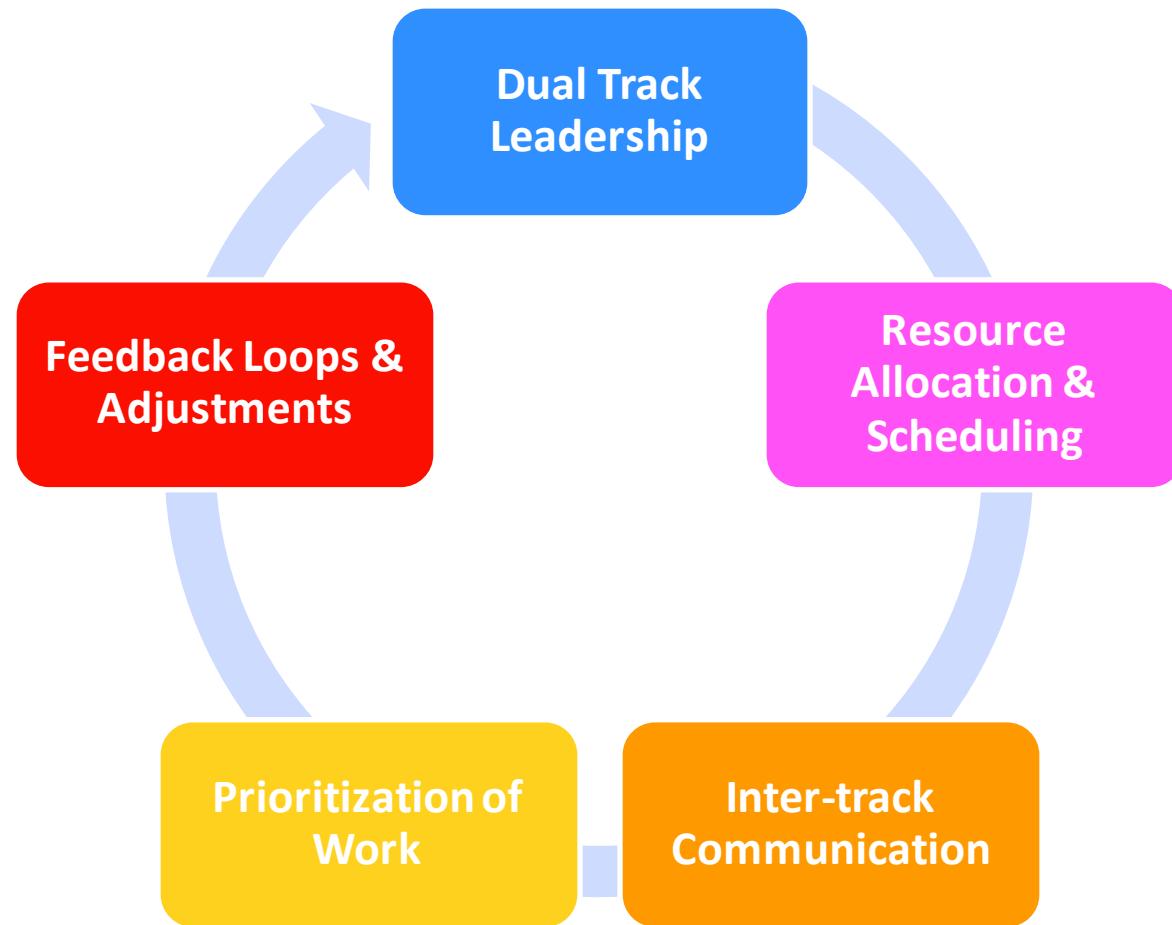
Small-Scale Implementations: Regular Sprint Release Cycles

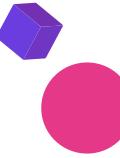


Large-Scale Implementations: Adobe Commerce Engine Upgrade



Synchronizing Both Tracks





Importance of Traceability Matrix During Upgrades

Requirement ID	User Story	Acceptance Criteria	Frontend Test Cases	Backend Test Cases	Integration Test Cases	Defects Logged	Status
REQ-101	As a user, I want the product pages to load faster so that I can quickly view items.	Product pages shall load within 2 seconds.	F-TC-101: Verify product page load time.	B-TC-101: Test database query optimizations.	I-TC-101: Test CDN performance.	DEF-101	Passed
REQ-102	As an admin, I need to manage inventory seamlessly post-upgrade.	Inventory management shall be compatible with the new engine.	N/A	B-TC-102: Test inventory update functionality.	I-TC-102: Test integration with third-party logistics.	DEF-102	In Progress
REQ-103	As a customer, I want to use a one-click purchase option for a quicker checkout experience.	One-click purchase shall reduce checkout steps.	F-TC-103: Test one-click purchase flow.	B-TC-103: Test order processing with one-click.	I-TC-103: Test payment gateway integration.	DEF-103	Resolved



Adobe