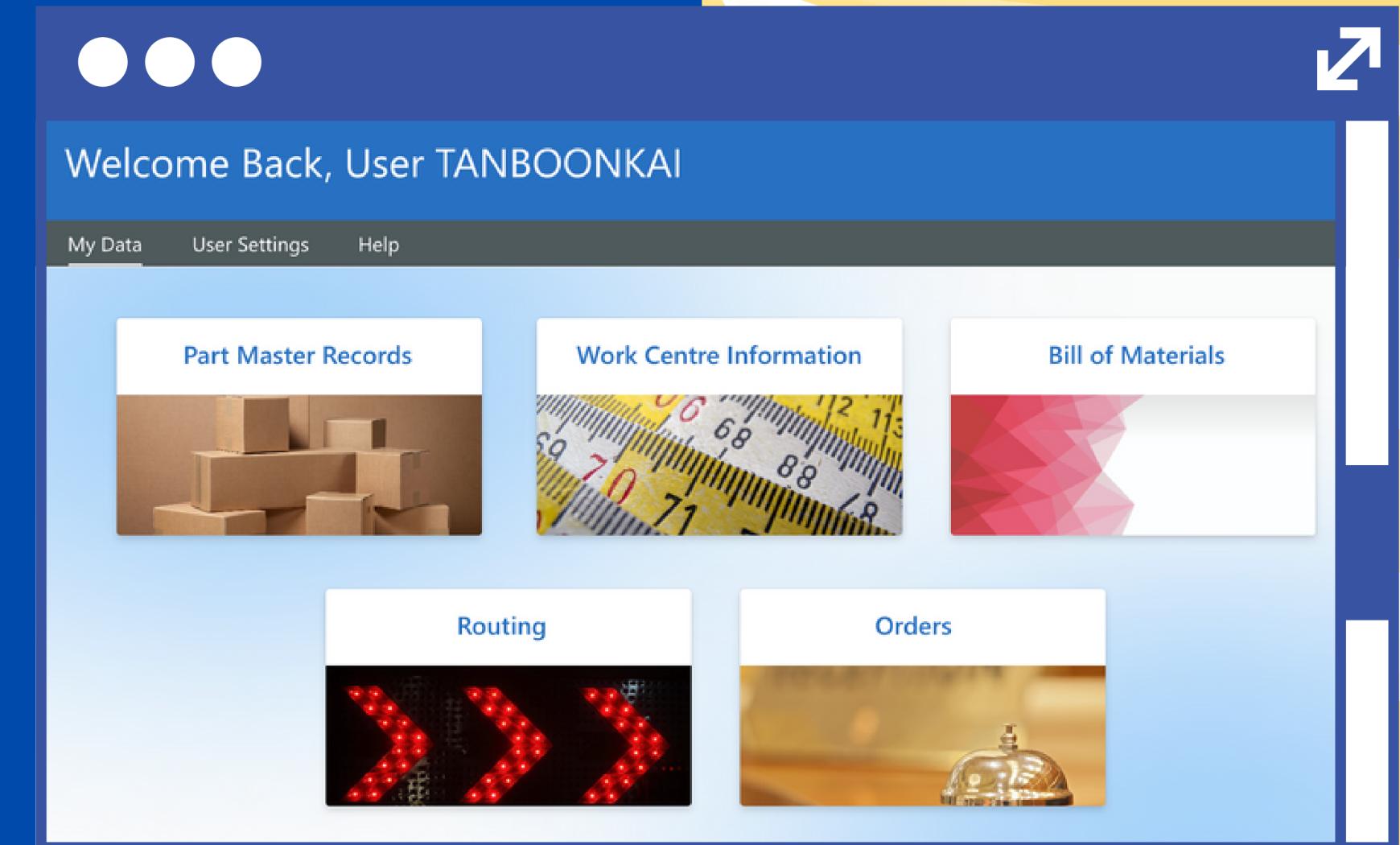
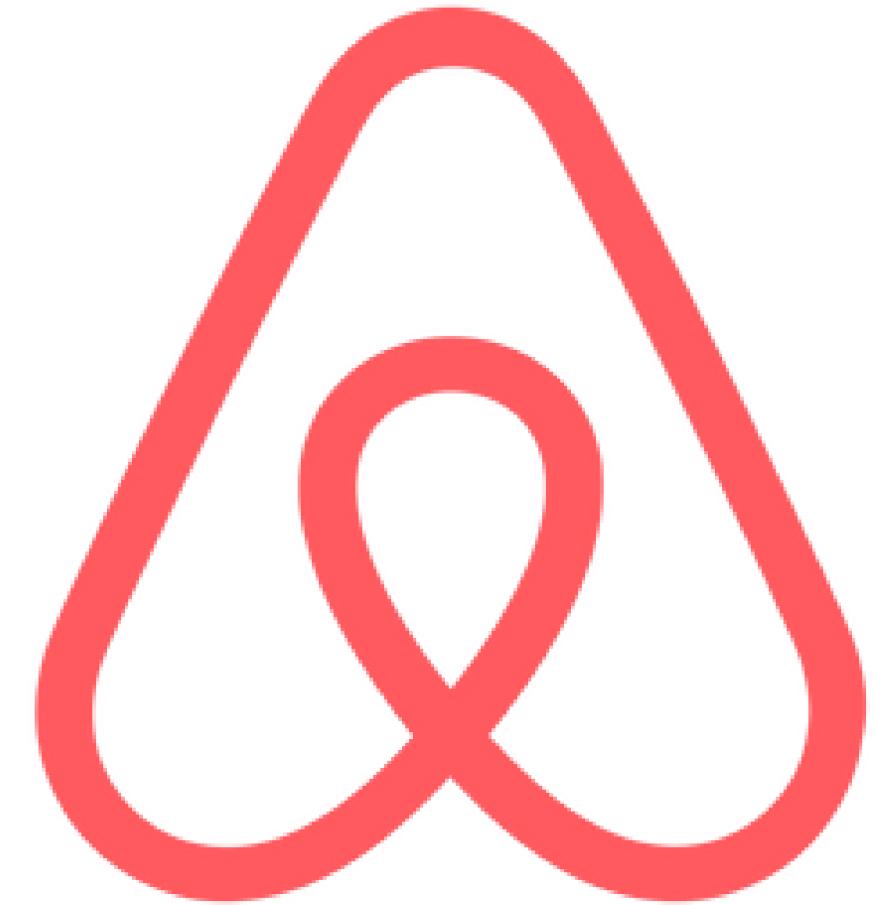


The best software to streamline your manufacturing process.

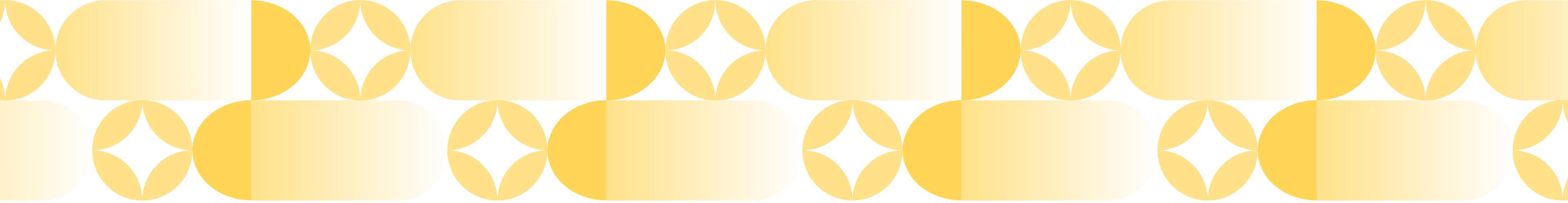








airbnb



"Effective MRP software transforms chaos into clarity, turning complex supply chains into streamlined operations."

Aggregate Planning

Bill of Materials

Forecasting

Inventory
Management



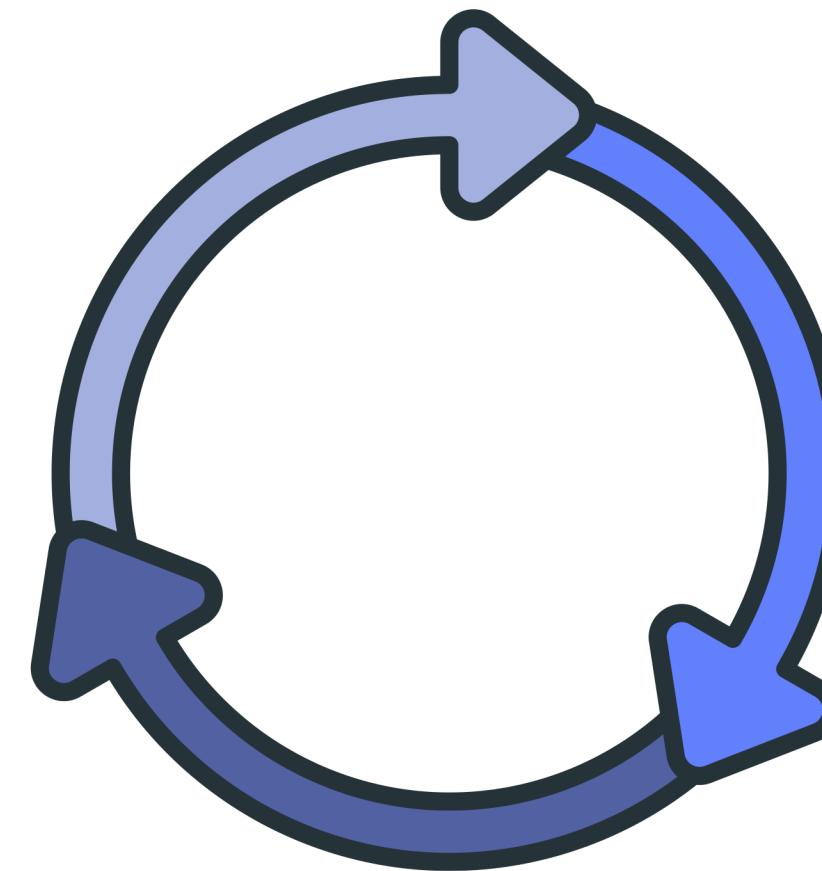
Our Mission

To create a MRP system to improve efficiency,
real-time visibility and team collaboration by
eliminating data silos and streamlining workflows
across all industries.



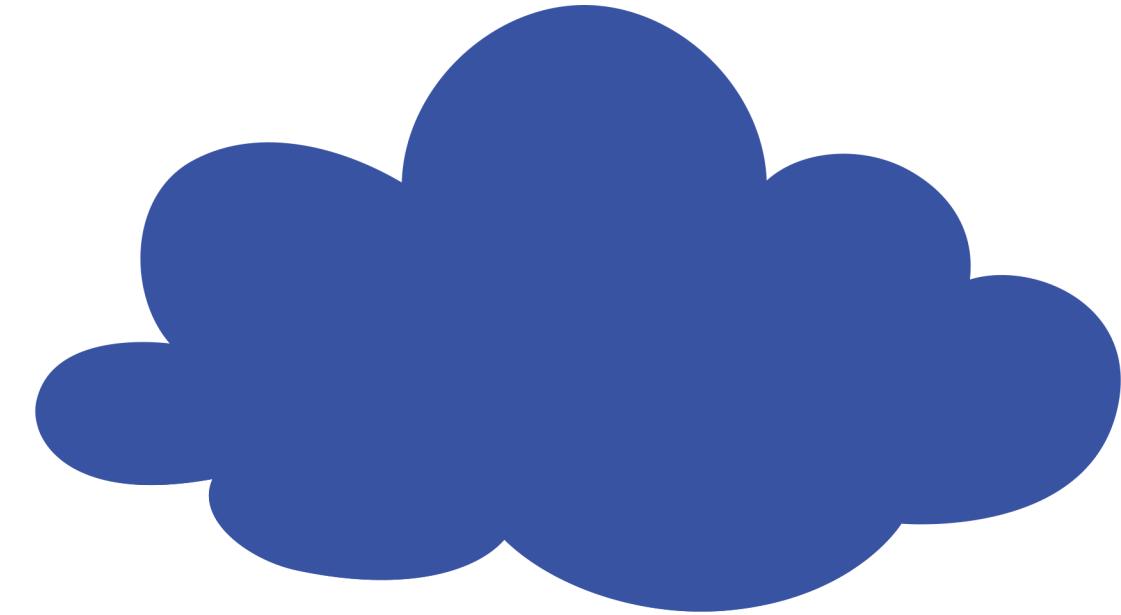
Organised Digital Library with Instant Retrieval

Navigating a sea of data, streams of information at your fingertips.



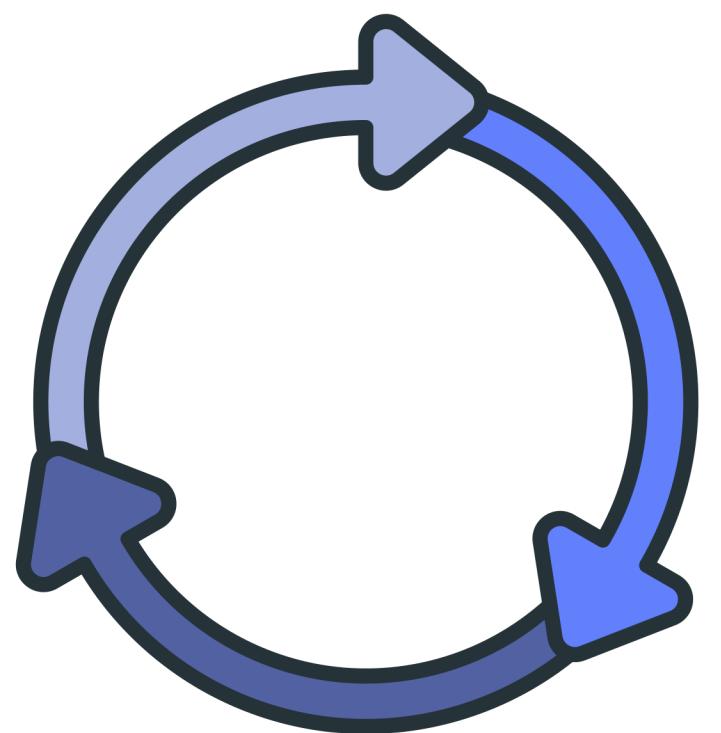
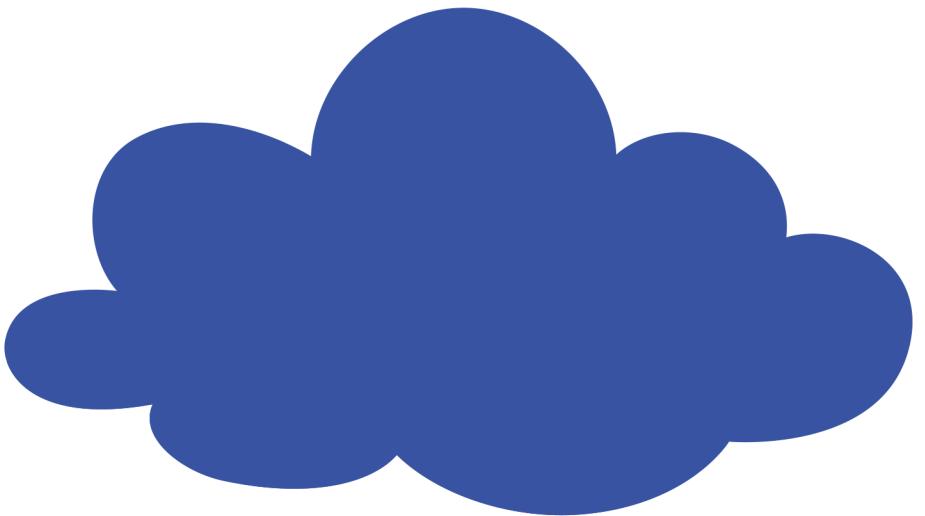
A program that orchestrates consistency

A master conductor ensuring every part plays its role in perfect harmony.



Cloud Accessibility for Unified Team Access

Empowering Collaboration and a Seamless Integration.

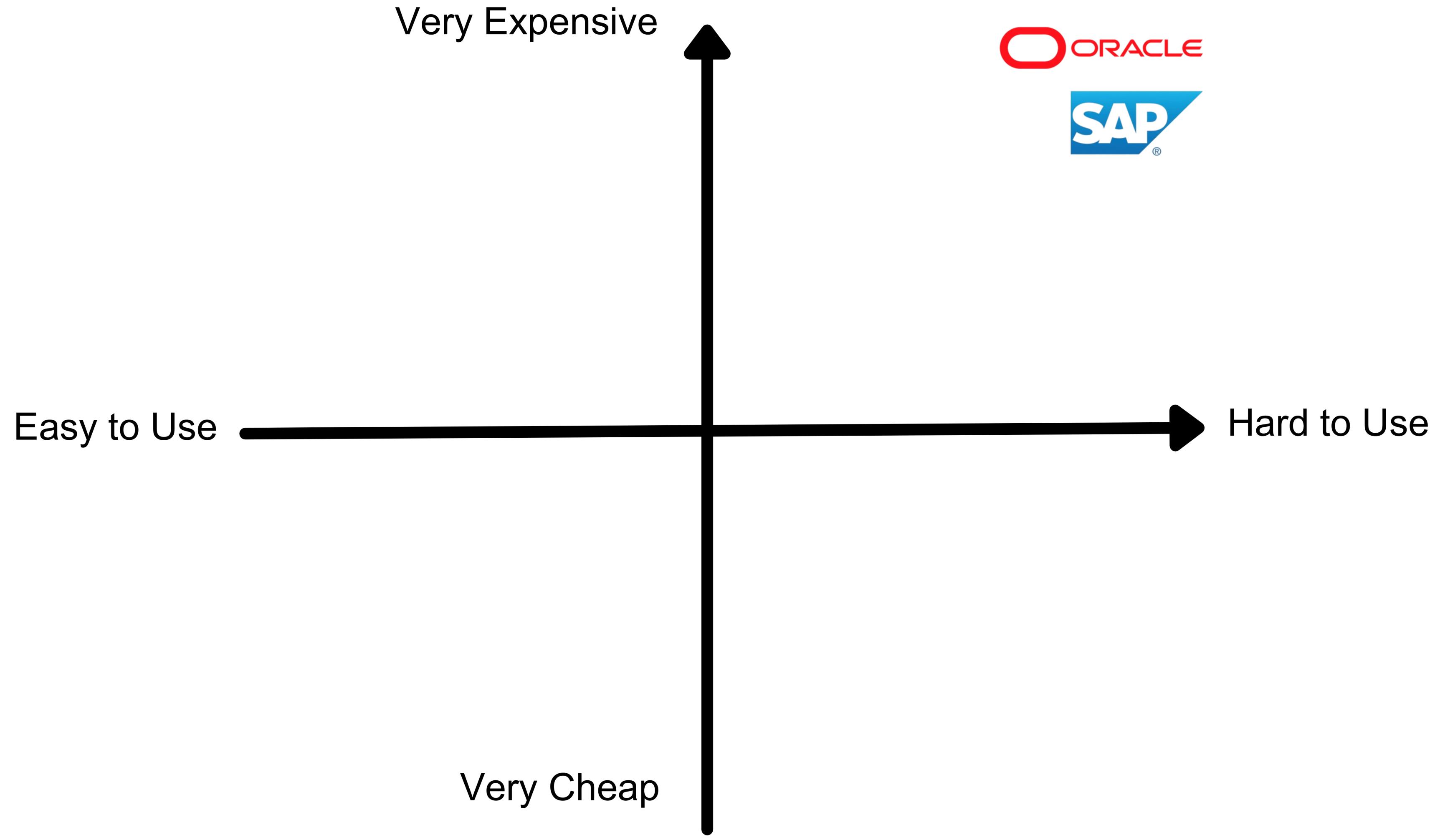


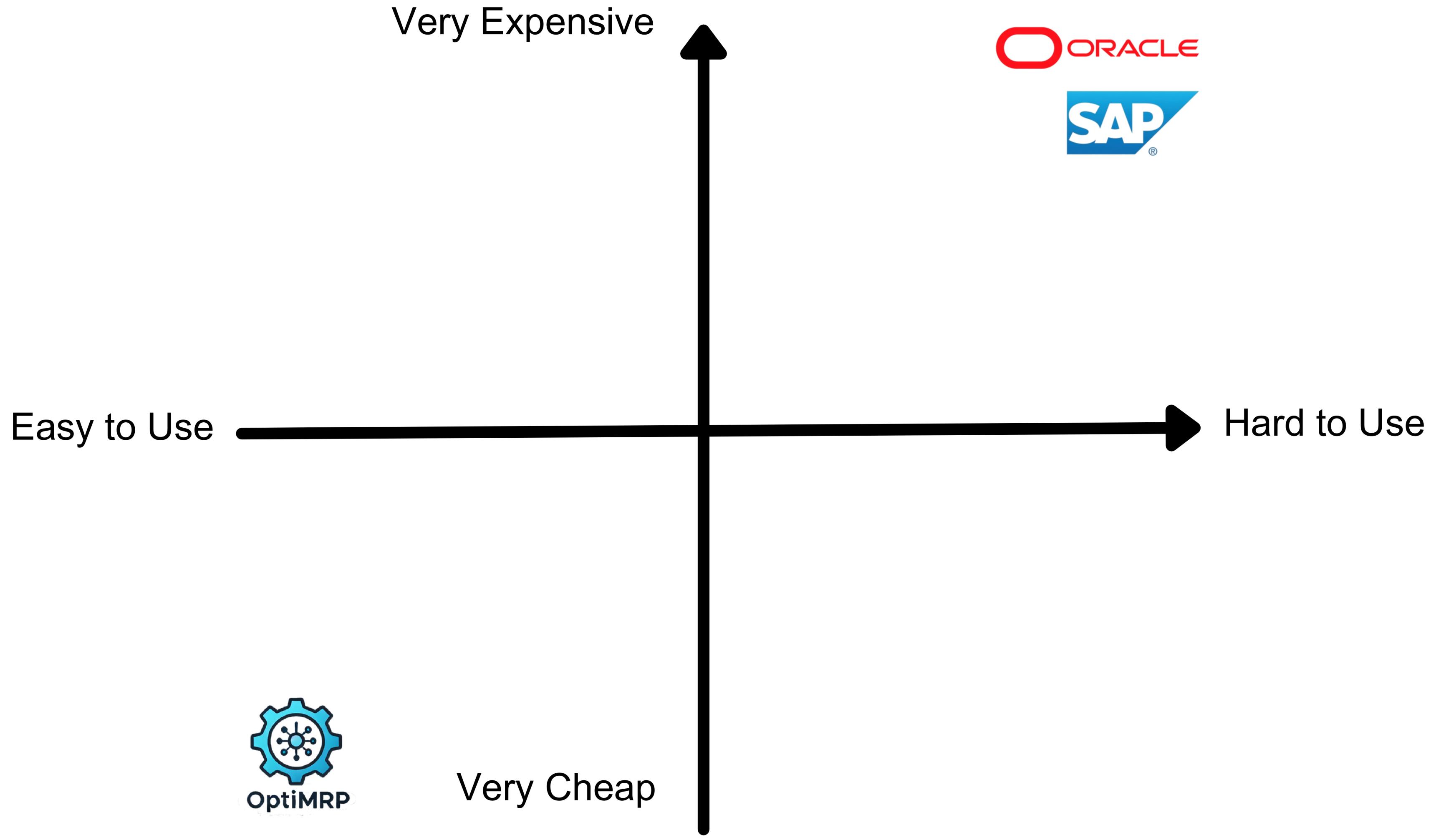


OptiMRP

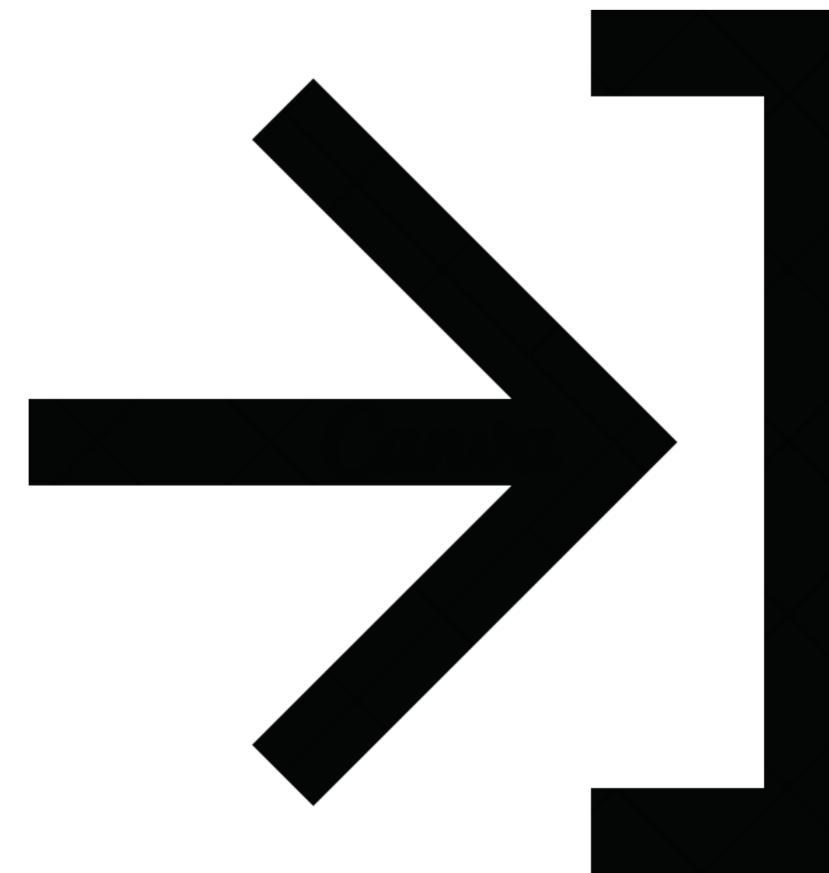
Group 4 reinvents MRP Software







Widespread Use of our Software.



Aggregate Planning

Bill of Materials

Inventory Management

Forecasting

Optimizing Processes, Transforming through Impact

Bridge Gaps, Foster Equitable Growth for a Brighter Future.



Development

A problem well defined is half solved





Document Overview Off

Create

Other Purchase Requisition

Check

Help

More ▾

Exit

No variant defined

Please choose a variant for the document overview



Purchase Requisition

 Source Determination

Header



Sta...

Item

Quantity

Unit

C

Deliv. Date

Matl Group

Plant

	10	Nexus 7	7	PC	D	10.05.2017	Material group	Home Office



Item: [10] 32 , ASUS Google Nexus 7



Material Data

Quantities/Dates

Valuation

Account Assignment

Source of Supp



AccAssCat:

Cost center

Distribution:

Single account assignment

Unloading Point:

Recipient:

G/L Account:

410000

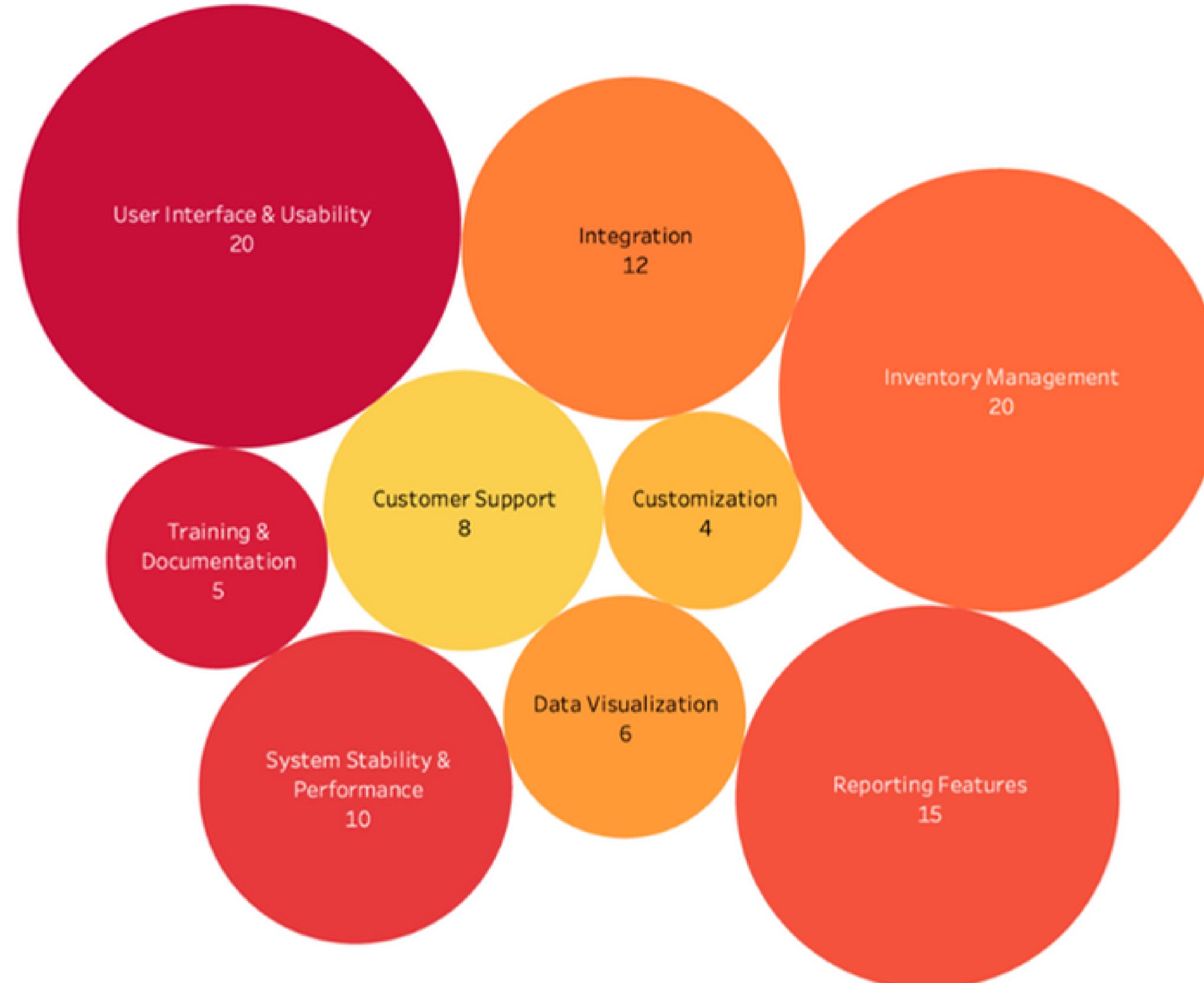
CO Area:

0001

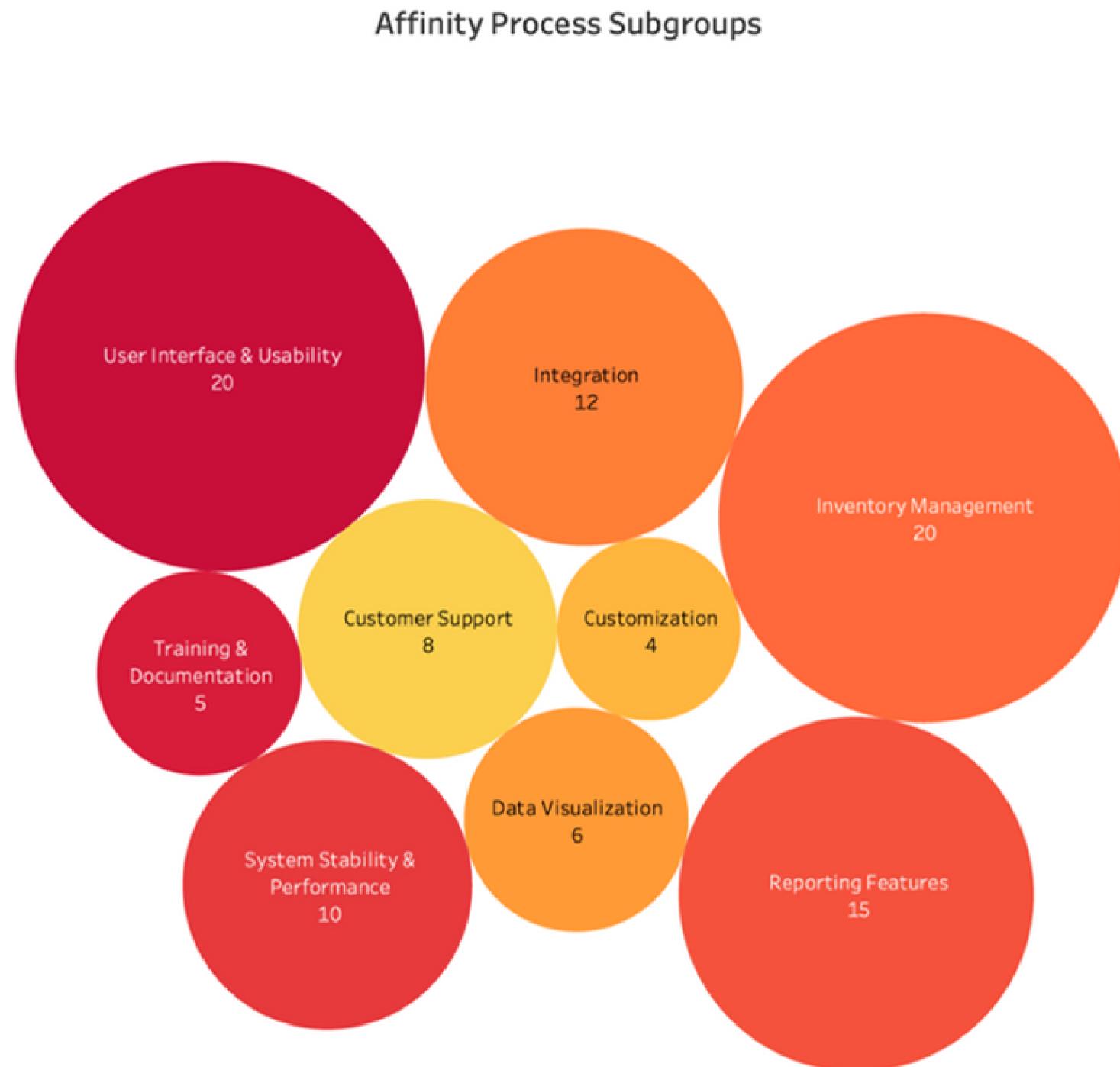
Save

Cancel

Voice of Customers



Voice of Customers



User Interface & Usability

- Aesthetically pleasing
- Clean
- Intuitive

Inventory Management

- Inventory tracking
- Version Control

Functional Requirements

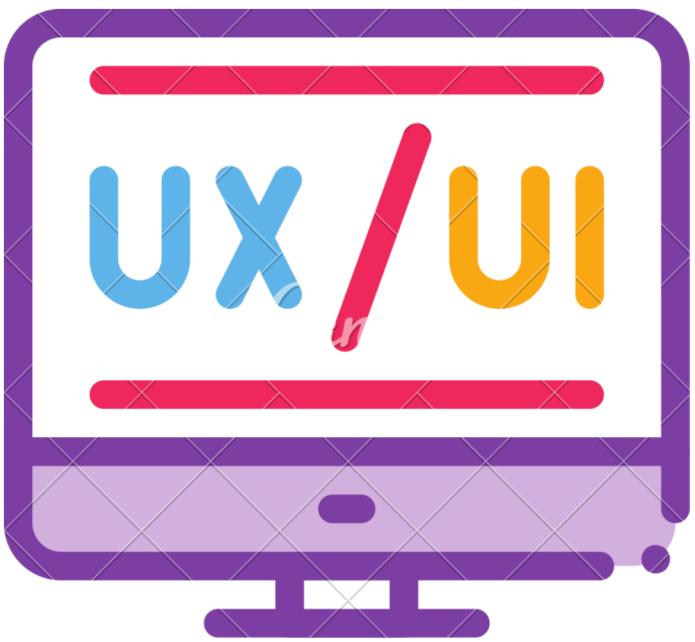
shall follow a relational database schema with appropriate foreign key relationships.

shall run on a simple web-based GUI with an indented list to visualize the full hierarchy of a queried component.

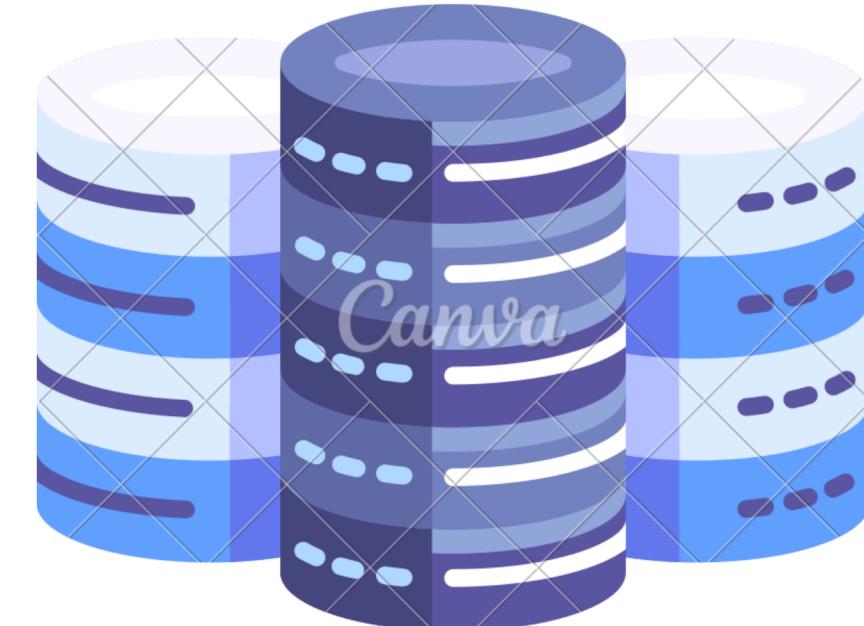
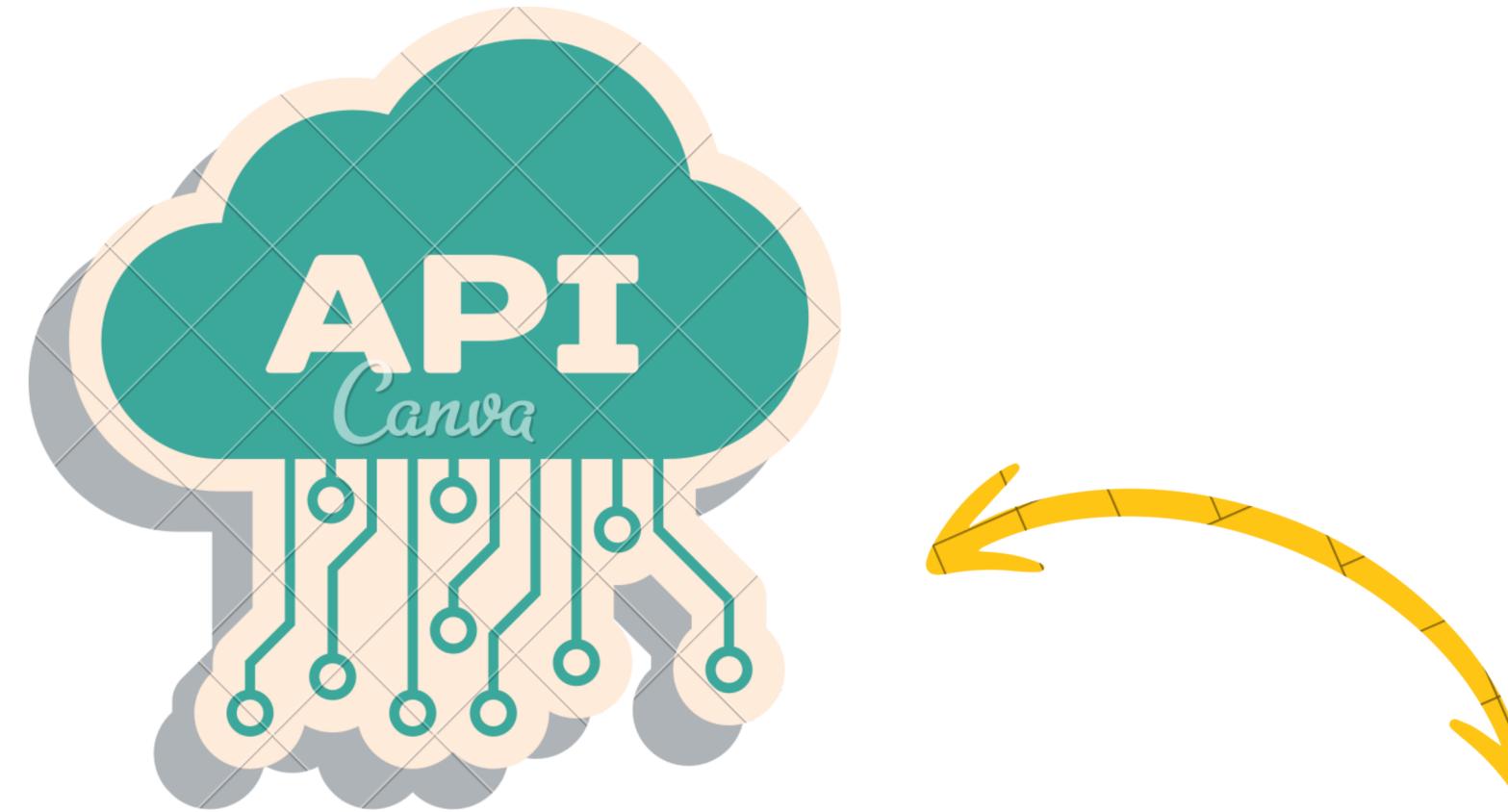
shall ensure version management by tracking historical versions.

shall maintain information consistency by ensuring a consistent component hierarchy and preventing circular dependencies during data creation or updates.





Subsystems

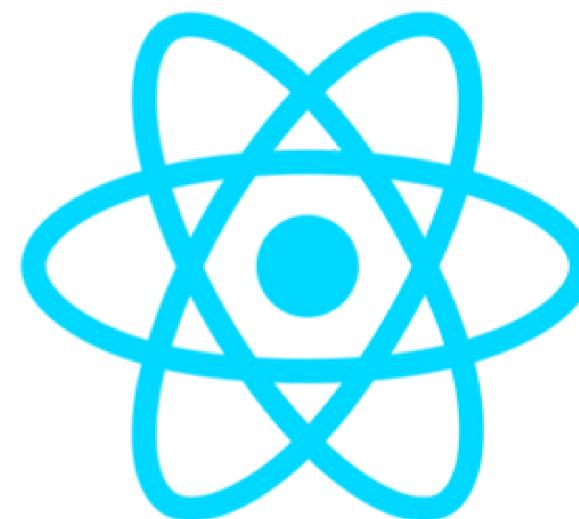


User Interface

HTML



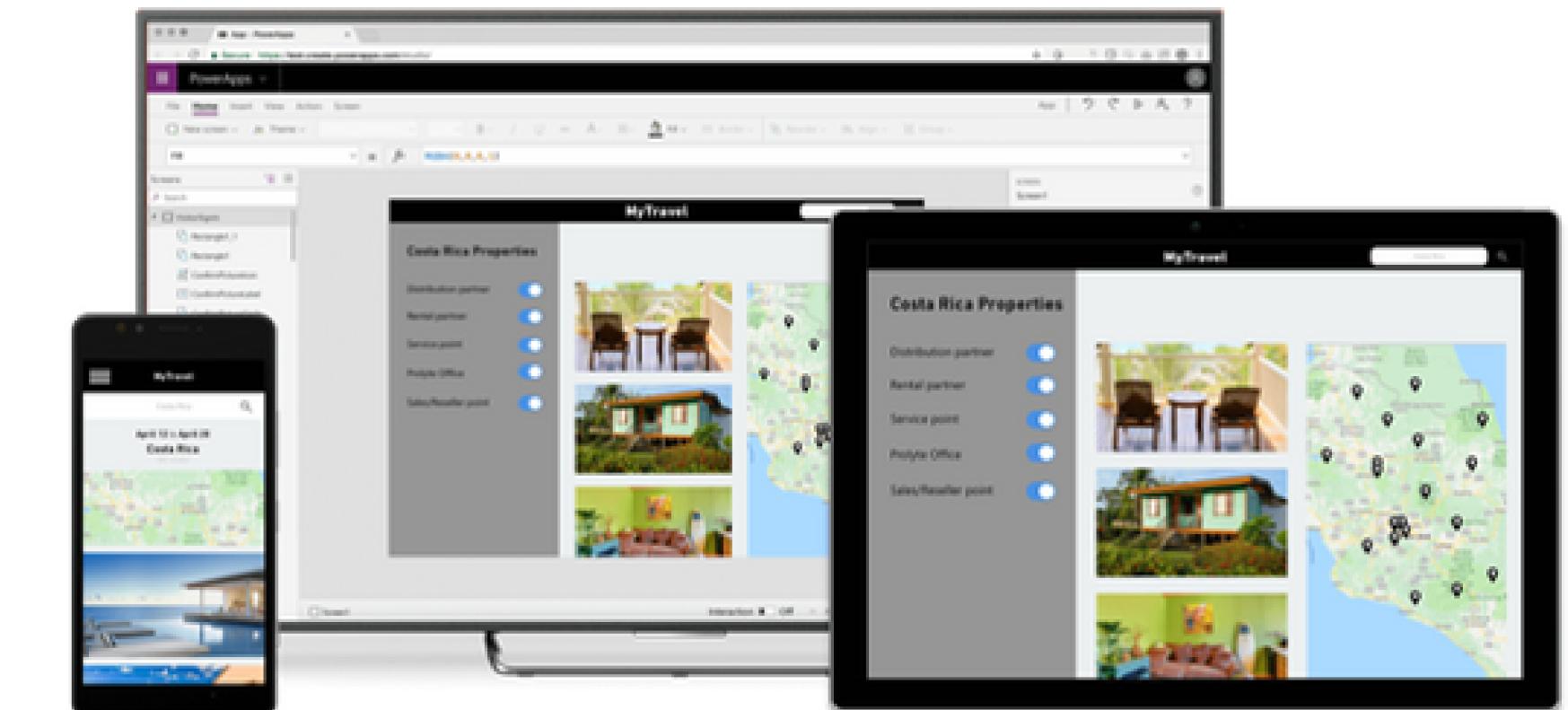
CSS



React

User Interface

Microsoft PowerApps



User Interface



Intuitive
Clean

Part Master Records									Home		
									Search by Part ID or Part Name	Edit Part	Add Part
part_id	part_name	part_descripti...	UOM	POM	inventory	lead_time	part_last_updated	unit_cost			
P001	ABB-068	Bottom Bracket ...	pcs	In-House	21	7	1/2/2023, 12:00 am	20			
P002	ABB-073	Bottom Bracket ...	pcs	In-House	2	7	1/2/2023, 12:00 am	25			
P003	ACR-032	Chainring 32T All...	pcs	In-House	85	14	1/2/2023, 12:00 am	15			
P004	ACR-034	Chainring 34T All...	pcs	In-House	67	14	1/2/2023, 12:00 am	15			
P005	ACR-036	Chainring 36T All...	pcs	In-House	52	14	1/2/2023, 12:00 am	20			
P006	ACR-038	Chainring 38T All...	pcs	In-House	41	30	1/2/2023, 12:00 am	20			
P007	ACS-165	Aluminium Crank...	pcs	In-House	84	7	1/2/2023, 12:00 am	80			
P008	ALB-754	Aluminium Billet ...	pcs	In-House	32	10	1/2/2023, 12:00 am	10			
P009	ALB-756	Aluminium Billet ...	pcs	In-House	134	10	1/2/2023, 12:00 am	12			
P010	ALB-758	Aluminium Billet ...	pcs	In-House	26	10	1/2/2023, 12:00 am	15			
P011	ASL-110	Alloy Suspension...	pcs	In-House	27	3	1/2/2023, 12:00 am	40			
P012	ASL-140	Alloy Suspension...	pcs	In-House	30	3	1/2/2023, 12:00 am	80			
P013	ASL-170	Alloy Suspension...	pcs	In-House	75	3	1/2/2023, 12:00 am	100			
P014	AST-055	Aluminium Stem ...	pcs	In-House	84	7	1/2/2023, 12:00 am	30			
P015	AST-070	Aluminium Stem ...	pcs	In-House	29	7	1/2/2023, 12:00 am	35			

User Interface



Inventory Tracking

Bill of Materials						
p124	X	Search by BOM ID or Part ID	🔍	Add BOM	Edit BOM	Edit Routings
	BOM_id	part_id	child_id	child_qty	child_leadtime	BOM_last_updated
P127	B001	P001	P009	0.5	10	6/3/2023, 12:00 am
	B002	P001	P017	2	30	6/3/2023, 12:00 am
	B003	P001	P018	1	30	6/3/2023, 12:00 am
	B004	P002	P009	0.5	10	6/3/2023, 12:00 am
P007	B005	P002	P017	2	30	6/3/2023, 12:00 am
	B006	P002	P019	1	30	6/3/2023, 12:00 am
	B007	P007	P016	1	30	6/3/2023, 12:00 am
	B008	P007	P010	0.25	10	6/3/2023, 12:00 am
	B009	P011	P009	0.1	10	6/3/2023, 12:00 am
P014	B010	P012	P008	0.2	10	6/3/2023, 12:00 am
	B011	P013	P008	0.25	10	6/3/2023, 12:00 am
	B012	P014	P009	0.25	10	6/3/2023, 12:00 am
	B013	P015	P009	0.25	10	6/3/2023, 12:00 am
	B014	P026	P016	1	30	6/3/2023, 12:00 am
P119	B015	P026	P034	1	21	6/3/2023, 12:00 am



Document Overview Off

Create

Other Purchase Requisition

Check

Help

More ▾

Exit

No variant defined

Please choose a variant for the document overview



Purchase Requisition

 Source Determination

Header



Sta...

Item

Quantity

Unit

C

Deliv. Date

Matl Group

Plant

10 Nexus 7

7

PC

D

10.05.2017

Material group

Home Office



Item: [10] 32 , ASUS Google Nexus 7



Material Data

Quantities/Dates

Valuation

Account Assignment

Source of Supp



AccAssCat: Cost center

Distribution: Single account assignment

Unloading Point:

Recipient:

G/L Account: 410000

CO Area: 0001

Save

Cancel

Part Master Records



Search by Part ID or Part Name



Edit Part

Add Part

part_id	part_name	part_descripti...	UOM	POM	inventory	lead_time	part_last_updated	unit_cost
P001	ABB-068	Bottom Bracket ...	pcs	In-House	21	7	1/2/2023, 12:00 am	20
P002	ABB-073	Bottom Bracket ...	pcs	In-House	2	7	1/2/2023, 12:00 am	25
P003	ACR-032	Chainring 32T All...	pcs	In-House	85	14	1/2/2023, 12:00 am	15
P004	ACR-034	Chainring 34T All...	pcs	In-House	67	14	1/2/2023, 12:00 am	15
P005	ACR-036	Chainring 36T All...	pcs	In-House	52	14	1/2/2023, 12:00 am	20
P006	ACR-038	Chainring 38T All...	pcs	In-House	41	30	1/2/2023, 12:00 am	20
P007	ACS-165	Aluminium Crank...	pcs	In-House	84	7	1/2/2023, 12:00 am	80
P008	ALB-754	Aluminium Billet ...	pcs	In-House	32	10	1/2/2023, 12:00 am	10
P009	ALB-756	Aluminium Billet ...	pcs	In-House	134	10	1/2/2023, 12:00 am	12
P010	ALB-758	Aluminium Billet ...	pcs	In-House	26	10	1/2/2023, 12:00 am	15
P011	ASL-110	Alloy Suspension...	pcs	In-House	27	3	1/2/2023, 12:00 am	40
P012	ASL-140	Alloy Suspension...	pcs	In-House	30	3	1/2/2023, 12:00 am	80
P013	ASL-170	Alloy Suspension...	pcs	In-House	75	3	1/2/2023, 12:00 am	100
P014	AST-055	Aluminium Stem ...	pcs	In-House	84	7	1/2/2023, 12:00 am	30
P015	AST-070	Aluminium Stem ...	pcs	In-House	29	7	1/2/2023, 12:00 am	35

Welcome Back, User TANBOONKAI

My Data

User Settings

Help

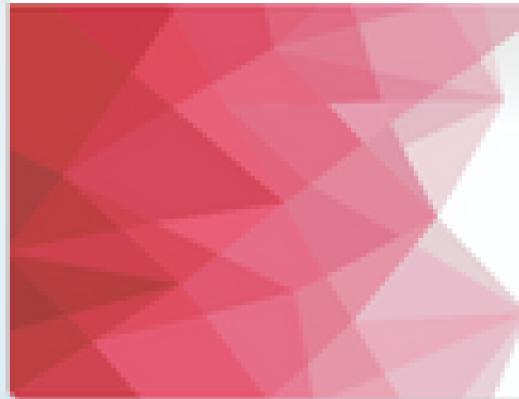
Part Master Records



Work Centre Information



Bill of Materials



Routing



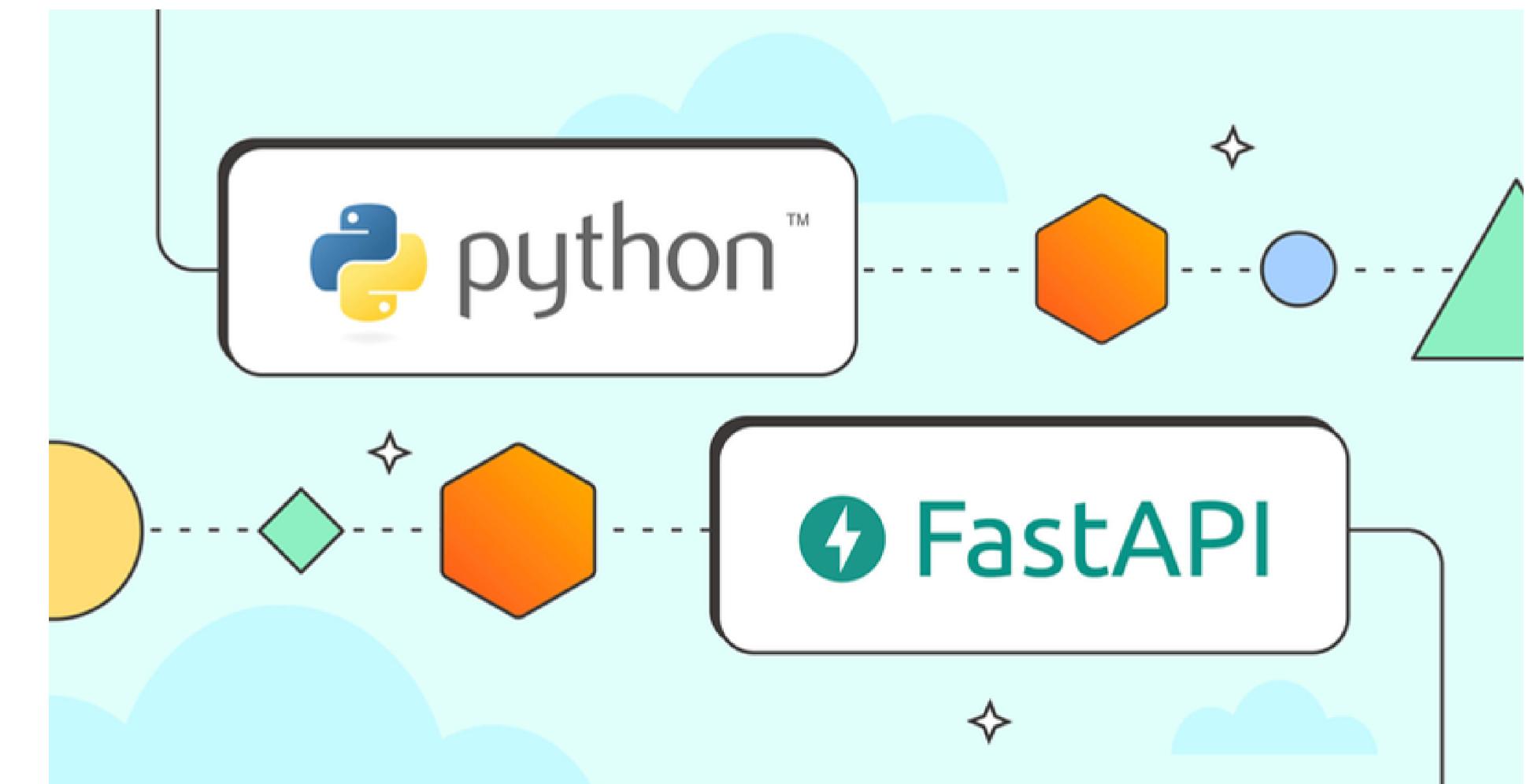
Orders



Database and Backend Integration



Azure SQL

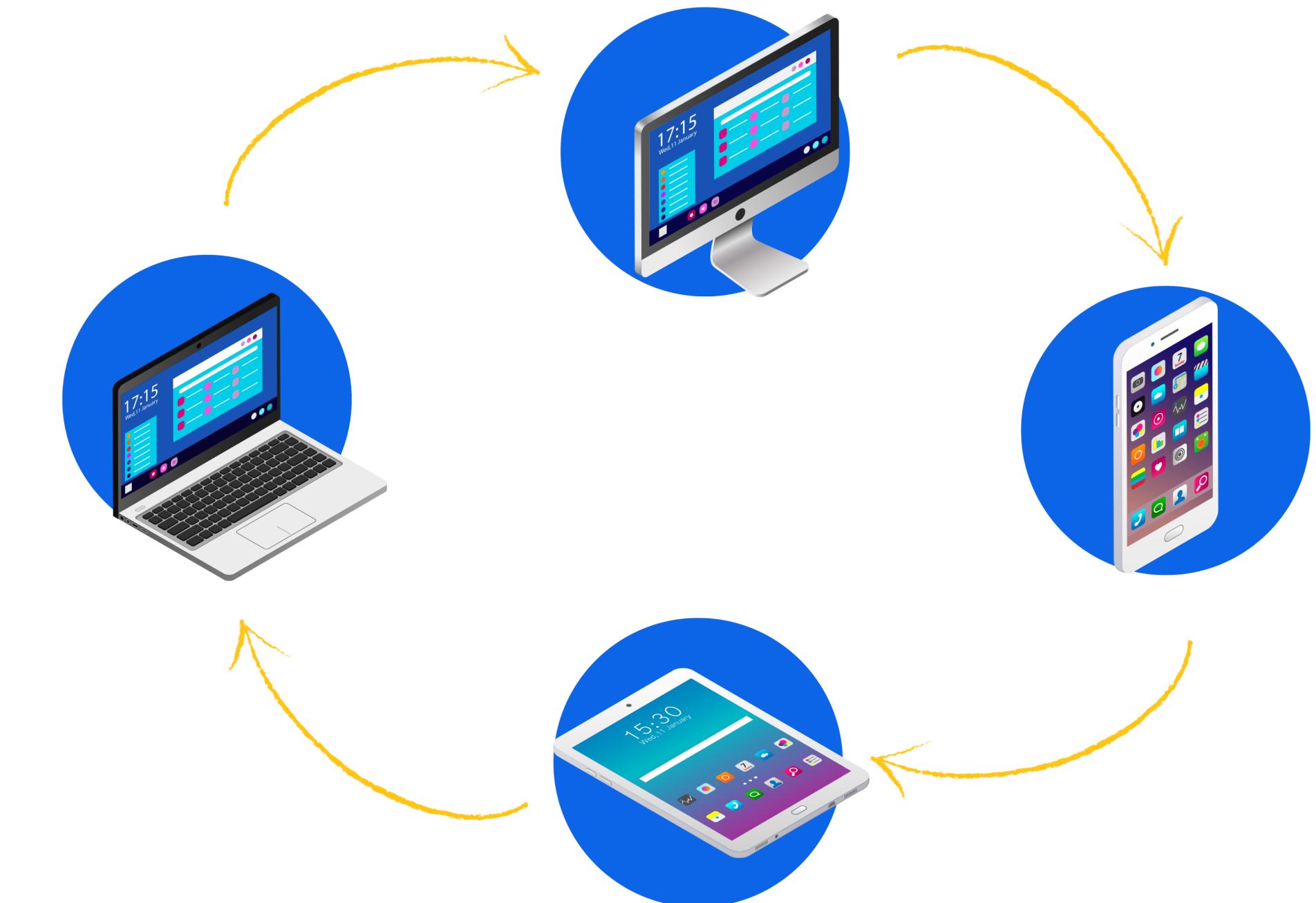


Database and Backend Integration



Collaborative Access

Version Control





Demonstration



