

EVALUATE AND SELL VEHICLE

Use case Name : Evaluate and Sell Vehicles
Team Name : Group - 3
Team members : Sahithi, Jaswanth, Prasad, Jahnavi

Abstract :

This application is designed to simplify the process of selling a vehicle by guiding the seller through submitting personal and vehicle details, automatically estimating the vehicle's value, and routing the case to a technical expert for live inspection. Based on the inspection report, an admin finalizes the selling price, which is then shared with the seller. The seller can accept the price to proceed with listing the vehicle, or choose to reject or negotiate. In case of negotiation, the updated price is reviewed again by the admin. The system ensures a smooth, end-to-end workflow for vehicle evaluation, price fixation, and listing.

Scope: (list the requirements one by one)

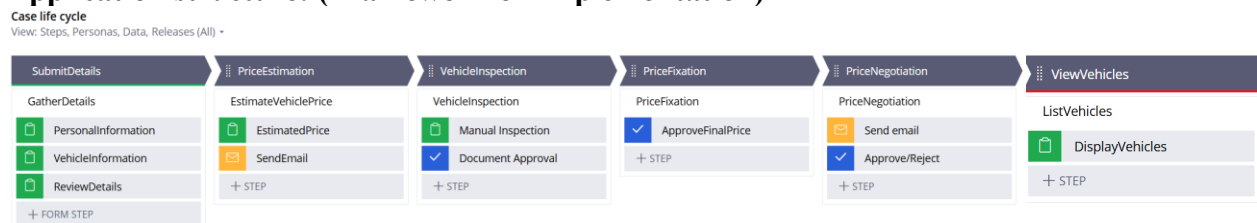
- User can enter car details such as:
 - Make and model
 - Year of manufacture
 - Kilometres driven
 - Transmission (Manual/Automatic)
 - Ownership type (First/Second/Third owner, etc.)
- System evaluates car price using:
 - A pre-defined Decision Table or Expression
 - Factors like age, condition, km driven, and ownership type
- Display the estimated car value to the user after evaluation.
- Vehicle will be manually inspected for correctness of price
- Users may negotiate the final price after inspection
- Option to list the car for sale, if the user agrees with the price.







Design:

Application Name : AutoValuate

Organization Name : MyOrg







Application structure: (Framework or Implementation)



Approval Rejection	CustomerReject	+ ALTERNATE STAGE
Approval Rejection	CustomerReject	
 SendEmail	 RejectionReason	
+ STEP	 Negotiate?	
	 Send email	
	 UpdatePrice	
	 Appraiser Transfer	
	 Run data transform	
	 Change to a specific stage	
	 Rejection Type	
	 Rejection Stage	
	CONFIGURE PROCESS	

Data Model Design:

- We require 3 data objects:
 - Person - Name, Email, Phone, Address
 - Vehicle - Year, VIN, Photos, Registration Number, Mileage, Vehicle type, Color, transmission (Picklist - manual, auto, EV), Ownership Type (Drop Down - 1st, 2nd, more), Asking price.
- MakeModel - ParentKey, Key, Type (Picklist – Model, Make)
- Item - Item Name, Category, Condition, Comment, Photo.
- Inspection - Inspection related fields for checking manual inspection.
- AutoValuate Home – HomePagePhotos (to display some photos in seller screen)

AutoValuate Home	AutoValuate Home	List AutoValuate Home	+1 more	 EvaluateVehicle
Inspection	Inspection	List Inspection	+1 more	 EvaluateVehicle
Item	Item	List Item	+1 more	 EvaluateVehicle
MakeModel	List MakeModel	MakeModel	+1 more	 EvaluateVehicle
Person	List Person	Person	+1 more	 EvaluateVehicle
Vehicle	List Vehicle	Savable Vehicle	+1 more	 EvaluateVehicle

Data object: Person		
Data Model Records UX Data Pages Actions Settings		
Search... <input type="text"/>		
<input type="checkbox"/> Show system fields		
Name	ID	Type
Address	Address	Address
Email	Email	Email
Full Name	FullName	Text (single line)
Globally unique ID	pyGUID	Text (single line)
Phone	Phone	Phone

Data object: Vehicle		
Data Model Records UX Data Pages Actions Settings		
Search... <input type="text"/>		
<input type="checkbox"/> Show system fields		
Name	ID	Type
Asking Price	AskingPrice	Currency
Color	Color	Text (single line)
Globally unique ID	pyGUID	Text (single line)
Mileage(KM)	MileageKM	Integer
Ownership Type	OwnershipType	Picklist
Registration Number	RegistrationNumber	Text (single line)
Transmission	Transmission	Picklist
Vehicle type	VehicleType	Picklist
VIN	VIN	Text (single line)
Year	Year	Integer

Data object: MakeModel		
Data Model Records UX Data Pages Actions Settings		
Search... <input type="text"/>		
<input type="checkbox"/> Show system fields		
Name	ID	Type
Globally unique ID	pyGUID	Text (single line)
Key	Key	Text (single line)
Parent Key	ParentKey	Text (single line)
Type	Type	Picklist

Data object: AutoValuate Home	
Data Model Records UX Data Pages Actions Settings	
Search... <input type="text"/>	
<input type="checkbox"/> Show system fields	
Name	ID
Globally unique ID	pyGUID
Home Page Photos	HomePagePhotos

Data object: AutoValuate Home	
Data Model	Records UX Data Pages Actions Settings
Search...	<input type="checkbox"/> Show system fields
Name	ID
Globally unique ID	pyGUID
Home Page Photos	HomePagePhotos

Enterprise Class Structure Diagram

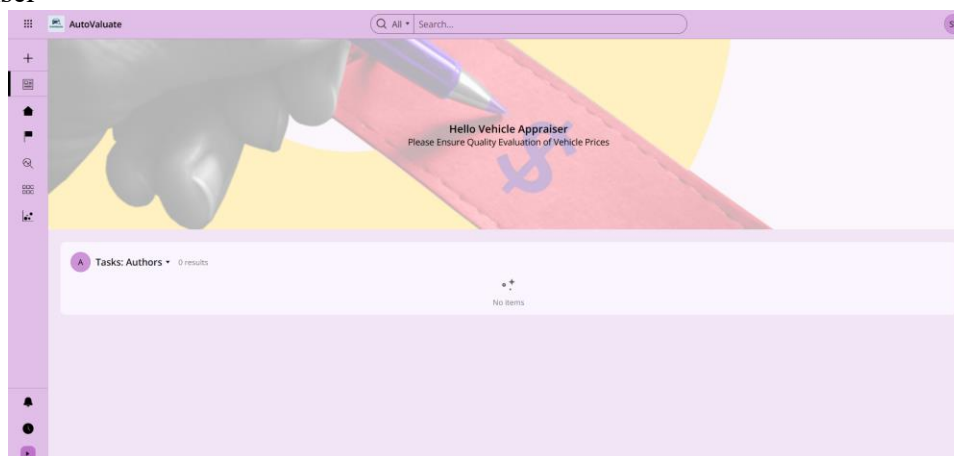
- **Org Layer (org class)** : MyOrg
- **Integration Layer (org level integration)** : MyOrg- Int-
- **Data Layer (org level data classes)** : MyOrg-Data-
- **App Layer (application class)** : MyOrg-AutoValu
 - **Data layer (app level data classes)** : MyOrg-AutoValu-Data-
 - **Int layer (app level integration)** : MyOrg-AutoValu-Int-
 - **Work layer (work class)** : MyOrg-AutoValu-Work-
 - **Case type classes** : MyOrg-AutoValu-Work-EvaluateVehicle

Portal Design

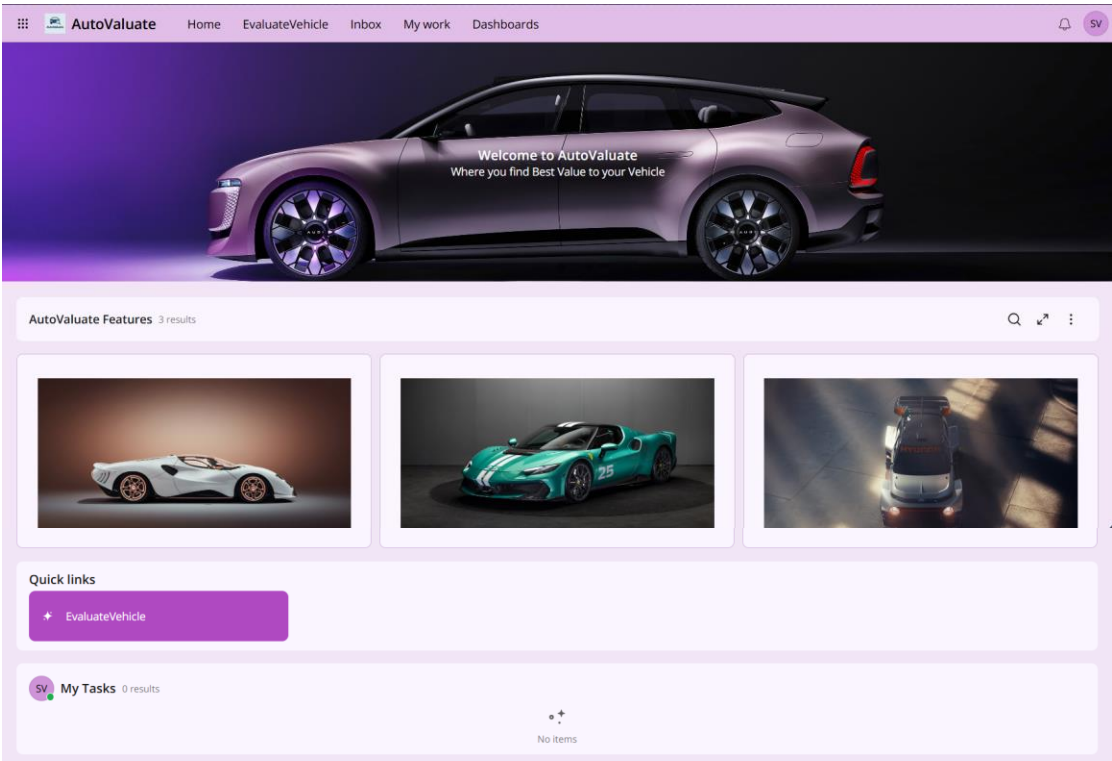
- Seller portal
- Appraiser portal
- Documentation specialist portal
- Sales Coordinator portal
- Inspector portal

Personas and channels: (Web channel)

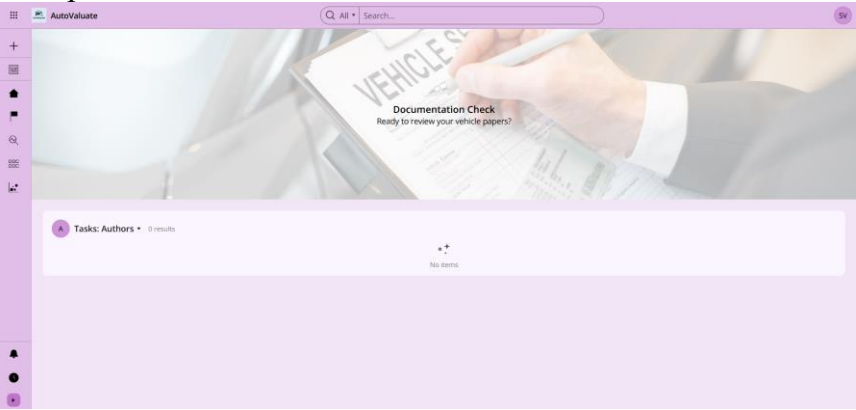
- Appraiser



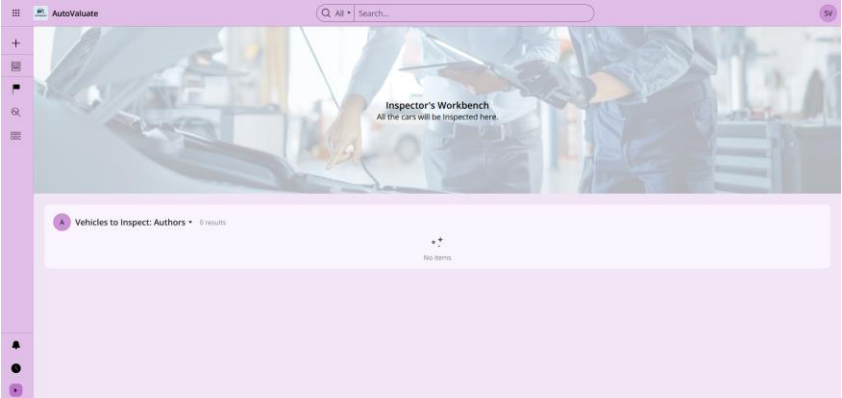
- Seller



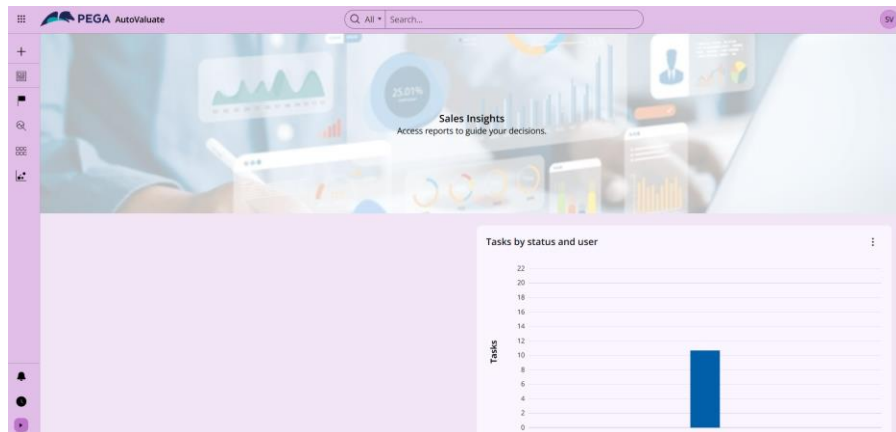
- Documentation specialist



- Inspector



- Sales Coordinator



Persona	Channels
Appraiser	AppraiserPortal
Documentation specialist	DocSpecialistPortal
Inspector	InspectorPortal
SalesCoordinator	SalesCoordPortal
Users	SellerPortal , SellerPortal1

Report Design:

- Pending listings for review
- Average **turnaround time** from listing → offer → sale
- Cars evaluated but **not listed** for sale
- List of cars marked as “Sold”
- Number of cars **actively listed**
- Total number of cars evaluated

User details:

- List the different **access groups**
 - AutoValu:Users (Seller)
 - AutoValu:Appraiser
 - AutoVal:SalesCoordinator
 - AutoValu:DocumentSpecialist
 - AutoValu: Inspector

Access Group Name*	Name
AutoValu:Appraiser	AUTOVALU:APPRAISER
AutoValu:SalesCoordinator	AUTOVALU:SALESCOORDINATOR
AutoValu:DocumentationSpecialist	AUTOVALU:DOCUMENTATIONSPECIALIST
AutoValu:Inspector	AUTOVALU:INSPECTOR
AutoValu:Authors	AUTOVALU:AUTHORS
Aaa:Users	AAA:USERS

- **Work groups**

- Appraiser Group
- Document Specialist Group
- Sales Coordinator Group
- Inspector Group

Work Group Name*	▼ Name
Inspector Group	INSPECTOR GROUP
Sales Coordinator Group	SALES COORDINATOR GROUP
Document Specialists Group	DOCUMENT SPECIALISTS GROUP
Appraisers Group	APPRAISERS GROUP
default@MyOrg	DEFAULT@MYORG
Default	DEFAULT
Unassigned	Unassigned
default@DMOrg	DEFAULT@DMORG

- **Work queue**

- Appraiser Queue
- Sales Coordinator Queue
- Document Specialist Queue
- Inspector Queue

Work queue*	▼ Name
default@DMOrg	DEFAULT@DMORG
Inspector Queue	INSPECTOR QUEUE
Sales Coordinator Queue	SALES COORDINATOR QUEUE
Document Specialists Queue	DOCUMENT SPECIALISTS QUEUE
Appraiser Queue	APPRAISER QUEUE

- **Sample operator ID's**

- Inspector@AutoValuate.com
- SalesCoordinator@AutoValuate.com
- DocumentationSpecialist@AutoValuate.com
- [Appraiser@AutoValuate.com](#)
- carsseller@abc.com : A@1234567890

Password: PegaCSA@1
Pega@1234

DocumentationSpecialist@AutoValuate.com	DocumentationSpecialist
SalesCoordinator@AutoValuate.com	SalesCoordinator
Inspector@AutoValuate.com	Inspector
Appraiser@AutoValuate.com	Appraiser