

**Revv AI**

**Business Requirement Document**

**Version 1.0**



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Revisions

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1. Introduction
   1. Purpose

The purpose of this document is to provide a detailed overview of the **Revv AI Project**, focusing on its functionalities, system architecture, and business requirements. This document serves as a guide for stakeholders, developers, and testers to understand the project scope and objectives.

* 1. Scope

Revv AI acts as an intermediary platform connecting car leasing companies, rental companies, banks, and corporate sellers with established car auction platforms such as **IAAI** and **Manheim**. The system facilitates the seamless listing, auctioning, and tracking of vehicle stock.

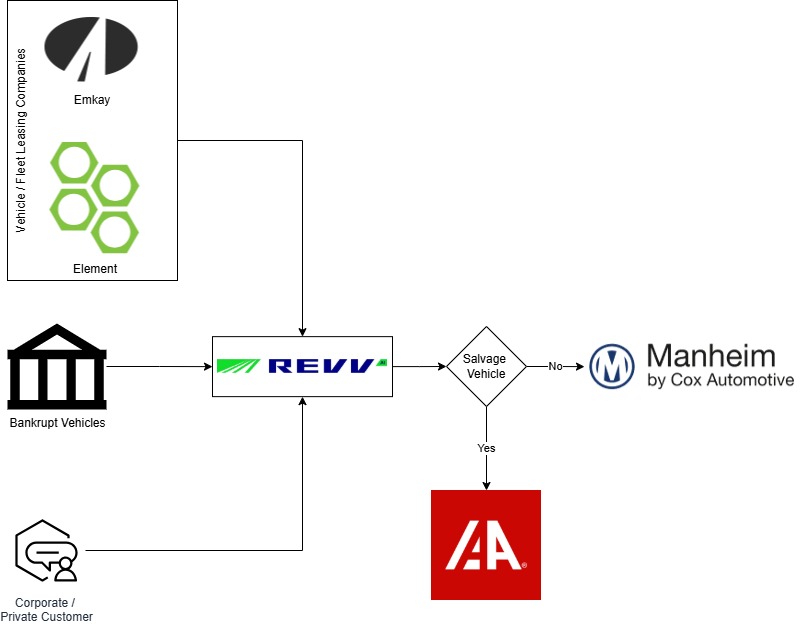
* 1. Definitions, Acronyms and Abbreviations

The following terms/abbreviations are used throughout the document.

|  |  |  |
| --- | --- | --- |
| **No** | **Term** | **Description** |
|  | Revv AI | Name of the project |
|  | Kott Software | Name of the company |
|  | IAAI | Car auction house/Handles salvage vehicles |
|  | Manheim | Car auction house/Handles vehicles in good condition |
|  | Element | Leasing company/fleet management |
|  | Emkay | Leasing company/fleet management |
|  | ADESA |  |
|  | Copart |  |

1. Revv AI Project Overview
   1. Introduction

Revv AI is a **web-based AI-driven auction facilitation platform** designed to automate and streamline the process of vehicle resale through trusted auction houses.



* 1. General Overview

The project is designed to enhance efficiency, minimize manual intervention, and optimize decision-making using data analytics and AI-driven recommendations.

* 1. Application Overview
* **Revv AI** provides a bridge between sellers and auction houses.
* It supports **bulk stock uploads**, **AI-based auction recommendations**, and **automated workflows**.
* The platform integrates with APIs such as **NHTSA** for vehicle details verification.
  + 1. Application URLs
* [ReVV](https://revv.vin/)
* [ReVV QA](https://app-revvapp-qa-eastus.azurewebsites.net/)
  1. Functional Features
* User Management: Role-based access control and user permissions.
* Stock Management: Adding, editing, and tracking stock.
* Auction Integration: Auto-matching stock with the most suitable auction.
* Dashboard & Reporting: Real-time stock status and financial summaries.

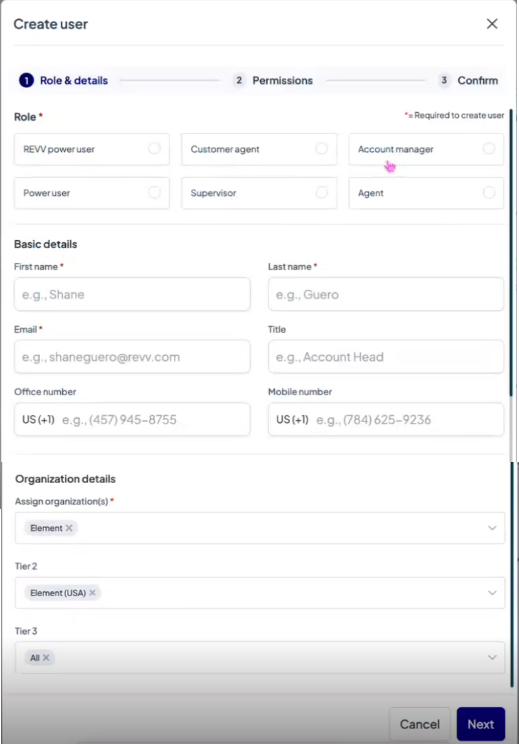
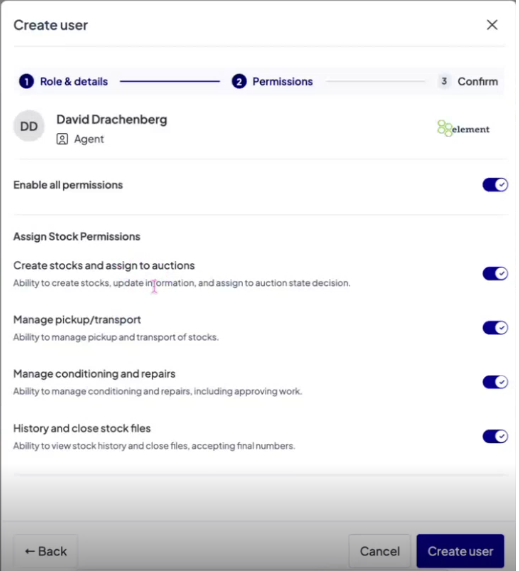
1. Application Functionalities
   1. User Management

Users can be created with role-specific permissions, ensuring data security and controlled access

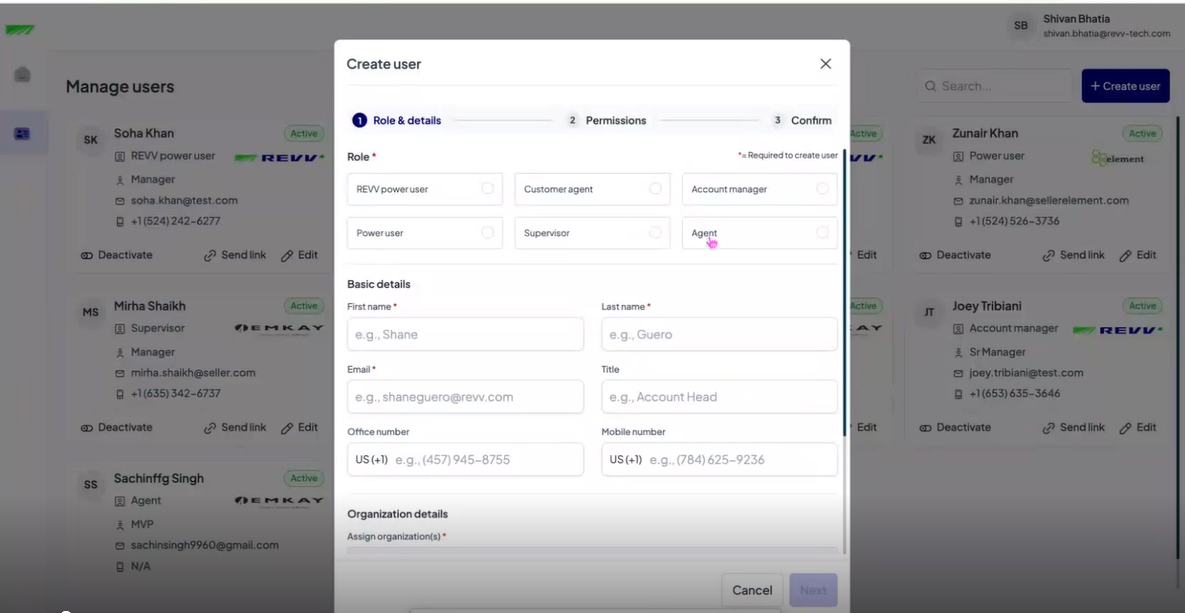
* + 1. Create User

Following the fields in page.

* **Role & Details Tab**:
  + Types of Roles: Revv Power User, Customer Agent, Account Manager, Power User, Supervisor, and Agent.
    - Revv Power User, Customer Agent, Account Manager
      * These roles are primarily managed within the Revv organization.
      * The controls like Assign Organization, Tier 2, Tier 3 are disabled for these users
      * **Revv Power User & Account Manager** mostly have the below permissions
        + Create new users
        + Edit existing users
        + Deactivate user
        + Password reset link
      * Customer Agent – Vehicle information can view
    - Power User, Supervisor, and Agent
      * These roles are assigned to users outside the Revv organization, such as those from sellers like Element, Emkay, and Enterprise.
      * These users can edit the existing users, but they can’t create the users
      * Power User
        + Edit existing users
        + Deactivate user
        + Password reset link
        + Create stocks and assign to auctions
        + Manage pickup/transport
        + Manage conditioning and repairs
        + History and close stock files
      * Supervisor & Agent
        + Create stocks and assign to auctions
        + Manage pickup/transport
        + Manage conditioning and repairs
        + History and close stock files
  + Basic details captured: First Name, Last Name, Email, Title, Other Number, Mobile Number.
  + Organization details:
    - Assign Organization (Predefined values fetched from the backend)
    - Tier 2 (Predefined values fetched from the backend)
    - Tier 3 (Predefined values fetched from the backend)
* **Permissions Tab**:
  + Enable all permissions or assign stock-specific permissions:
    - Create stocks and assign to auction.
      * This is used to provide permission to create the stock
    - Manage pickup/transport.
      * This is used to provide permission to edit the stock
    - Manage conditioning and repairs.
    - View history and close files.
      * This is used to provide permission to filters in listings page
    - Confirm Tab: Final confirmation before saving details.

* + 1. Manage Users



* 1. Stock Management

Users can add and manage stock, including:

* Vehicle Identification: VIN decoding via NHTSA API.
* Vehicle Details: Year, Make, Model, Color, Mileage.
* Condition Assessment: , damage comments.
* Auction Assignment: Set floor price, choose auction house.

Vehicle Light System (Auction Readiness Indicator):

* Green: Good condition, seller responsible for issues.
* Yellow: Average condition, specific functional features mentioned.
* Red: Sold "as is" with no guarantees.
* Blue: Requires additional information.

Vehicle Tracking - Helps identify vehicle status:

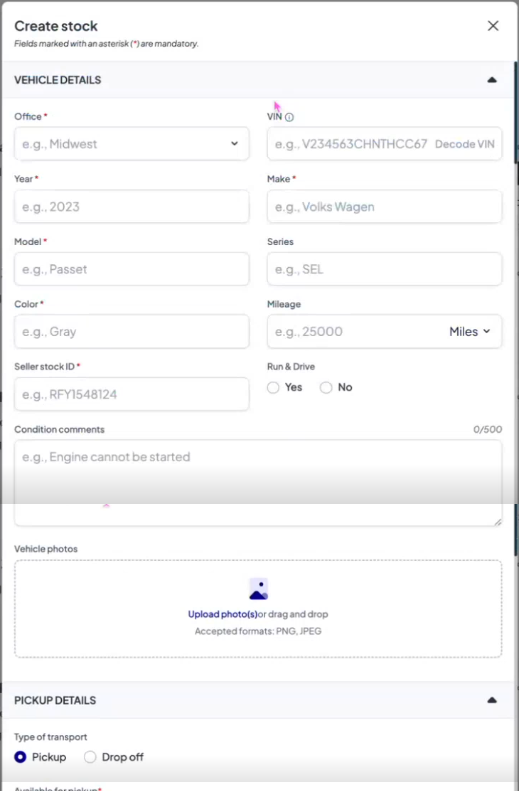
* Sold
* In Sale
* Auction Prep (Inspector assesses vehicle condition and assigns light status.)
* In Transport
* Assigned
* Cancelled
* Cancel Pending

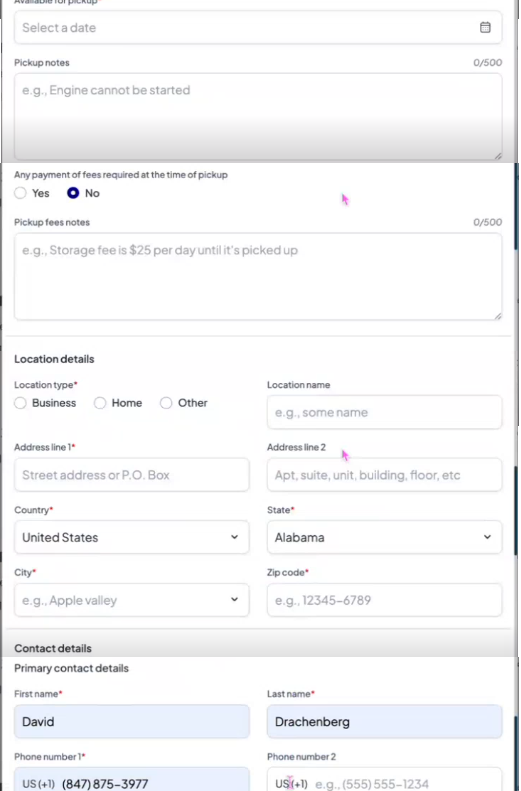
CR Score:

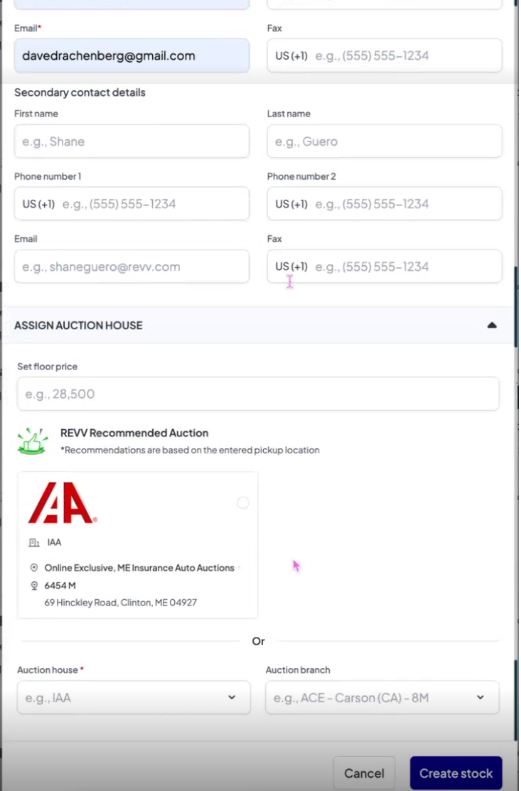
* Rating assigned during vehicle inspection.
* Calculated based on mileage, tire condition, and engine condition.

MMR (Manheim Market Report):

* Reflects sales value from Manheim application.
  + 1. Create Stock
* **Office**: Dropdown control to choose office details.
* **VIN** (Vehicle Identification Number):
  + VIN decoding feature using **NHTSA** API to fetch vehicle details from the registration portal.
* **Vehicle Details:** 
  + Year
  + Make
  + Model
  + Series
  + Color
  + Mileage
  + Seller Stock ID
  + Run & Drive Status
  + Condition Comments
  + Vehicle Photos
* **Transport Information:** 
  + Type of transport
  + Availability for pickup
  + Pickup Notes
  + Any required payment of fees at pickup
  + Pickup Fee Notes
* **Location Details:** 
  + Location Type
  + Location Name
  + Address Line 1 & 2
  + Country, State, City, Zip Code
* **Contact Details:** 
  + Primary contact details
    - First name, Last name, Phone number 1, Phone number 2, Email, Fax
  + Secondary contact details
    - First name, Last name, Phone number 1, Phone number 2, Email, Fax
* **Assign Auction House**
  + Set floor price
  + Revv Recommended Auction
  + System suggests providers (IAAI [Salvage Auction] / Manheim).
  + Auction house
  + Auction branch



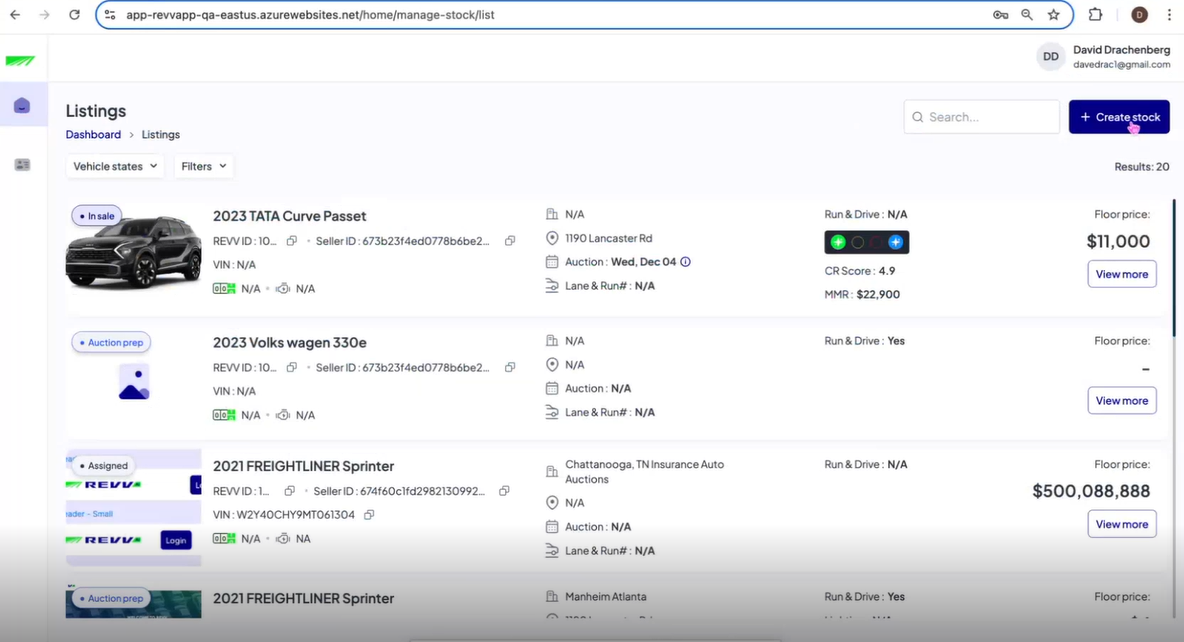




* + 1. Listings / Stock List

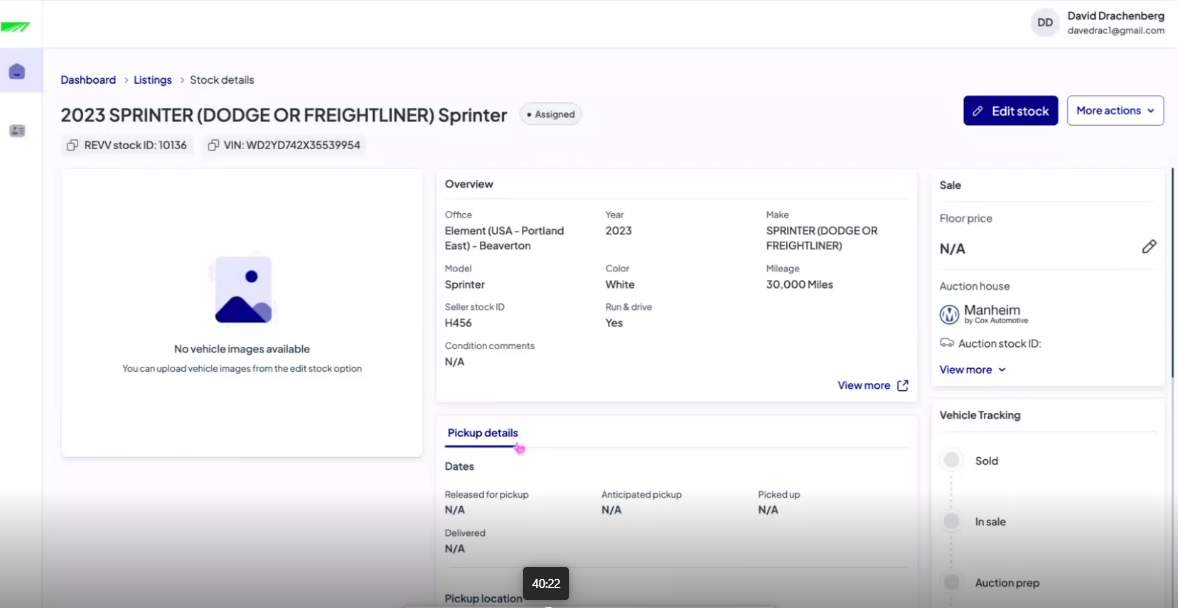
Stock listings include:

* Search & Filters: Users can filter stock by auction status, condition, and location.
* Vehicle Light System (Auction Readiness Indicator):
  + Green: Good condition, seller responsible for issues.
  + Yellow: Average condition, specific functional features mentioned.
  + Red: Sold "as is" with no guarantees.
  + Blue: Requires additional information.



* + 1. Edit Stock

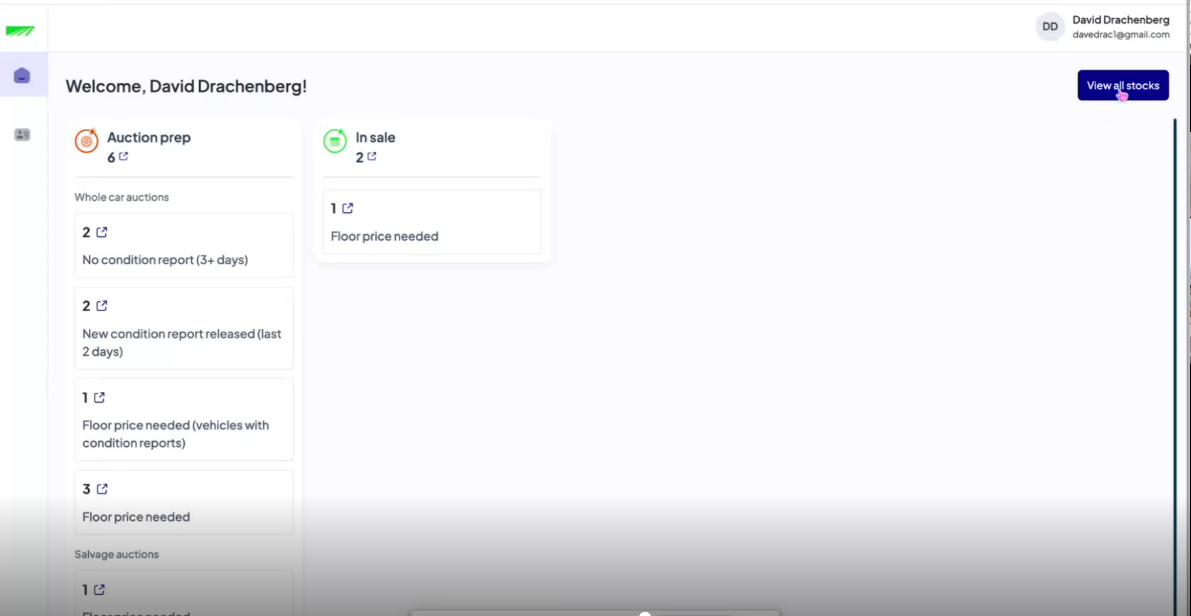
Users can modify vehicle details.



* 1. Dashboard

The dashboard provides:.

* Floor price needed
* In Sale
* Auction Prep



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