Week 3 Example

This example demonstrates the ‘add’ pattern used in our labs and allows selections of values.

Case Study – Bob’s Autos

Bob Smith owns Bob’s Autos a small business specializing in the repair and sale of older model vehicles.

User Story

I would like to record facts about the used vehicles that I have for sale. I would like to select manufacturer and model from lists

Acceptance Criteria:

1. Must be able to add a vehicle and be able to update the price and when the vehicle is sold
2. Must be able to query lists of vehicles including vehicles sold or vehicles available for sale.

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| --- | --- | --- | --- |
| Use Case Name | Create a vehicle | | |
| Triggering Event | A new vehicle ready for sale | | |
| Brief Description | Allows the Owner to create a vehicle | | |
| Actors | Owner | | |
| Related Use Cases |  | | |
| Preconditions | Owner has opened the Main Menu. | | |
| Post Conditions | Vehicle is added and available to query | | |
| Flow of activities | Actor | | System |
|  |  | Requests to add a new vehicle | Displays a list of vehicles and prompts for VINNumber, year, colour, condition, number of doors, kms and options, price. Displays a list of manufacturers. Prompts for selection |
|  |  | Selects manufacturer | Displays a list of models and prompts for selection. Prompts for VINNumber, year, colour, condition, number of doors, kms, price and options |
|  |  | Selects model Enters VINNumber, year, colour, condition, number of doors,kms, price and options. | Verifies that VINNumber, manufacturer, model, year, colour and kms have been entered/selected.  Displays Vehicle Displays a calendar and prompts for date available for sale |
|  |  | Selects the date available for sale | Updates the vehicle  Displays the vehicle  Prompts for confirmation |
|  |  | Confirms entry | Generates the date added as the system date  Saves the vehicle and returns to the main menu |
| Exception Conditions | * Owner chooses to cancel adding the vehicle | | |