Project Report Vehicle System

SDV601
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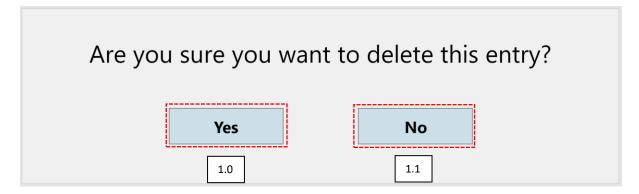
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Progress Report One

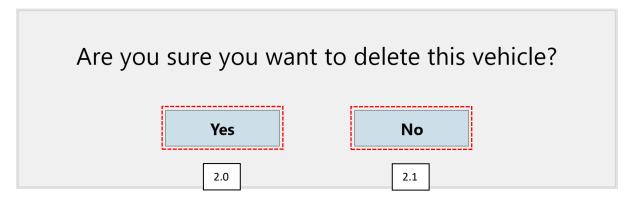
Wireframe

Error Prompt 1: Vehicle activity removal confirmation



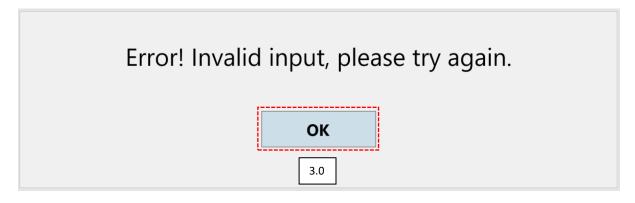
- 1.0 Yes confirmation button This button will delete the selected vehicle activity and return the user to the main form.
- 1.1 No confirmation button This button will not delete the selected vehicle activity and return user to the view vehicle form.

Error Prompt 2: Vehicle removal confirmation



- 2.0 Yes confirmation button This button will delete the selected vehicle and return the user to the main form.
- 2.1 No confirmation button This button will not delete the selected vehicle and returns the user to the view vehicle form.

Error Prompt 3: Invalid input



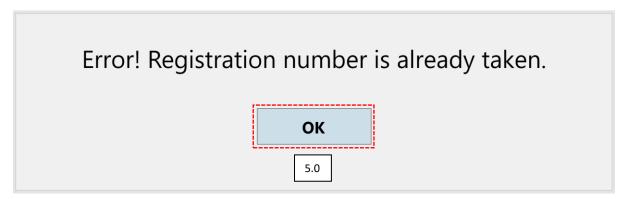
3.0 **Confirmation button** – This button closes the prompt and returns the user to the form.

Error Prompt 4: Empty fields

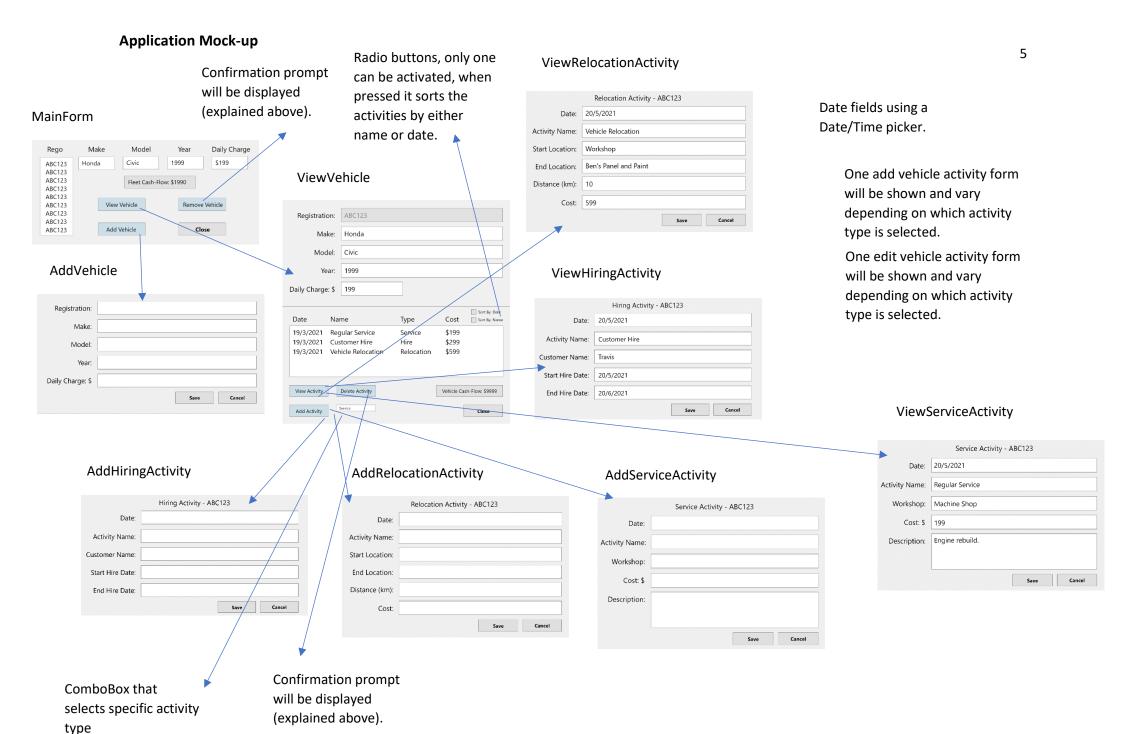


4.0 **Confirmation button** – This button closes the prompt and returns the user to the form.

Error Prompt 5: Taken registration number



5.0 **Confirmation button** – This button closes the prompt and returns the user to the form.



Use-Cases

Use-case priority

Below are the use-cases for this system ordered by its priority.

Priority	Use-Case	Reason	
1	Edit Vehicle	This use case is responsible for editing/maintaining a vehicle record. This is an important use-case as it allows users to edit vehicle details that have been created. This minimises miscommunication and input errors, allowing users to correct mistakes.	
2	Edit Activity	This use case is responsible for editing activities created for vehicles. This is an important use-case as it allows users to edit activities that have been created. This minimises miscommunication and input errors, allowing users to correct mistakes.	
3	Add Vehicle	This use-case is responsible for creating a vehicle and adding it to the vehicle list. This is an important use-case as other use-cases rely on this use-case to function and work as intended. The whole application would not work if a vehicle cannot be created.	
4	New Activity	This use case is responsible for creating vehicle activities and adding them to an activity log. This is an important use-case as it allows users to create activities for vehicles that have been created. Without this use-case, users would not be able to create activity logs for each vehicle.	
5	Quick View	This use case is responsible for allowing users to quickly view vehicle details efficiently. This is an important use case as it maximises the productivity a user can have with the system.	
6	Delete Vehicle	This use case is responsible for allowing users to delete vehicles. This is an important use case as it allows users to remove vehicles that are no longer in their fleet. This declutters the system/application as it removes any redundant data that users no longer need to keep.	
7	Delete Activity	This use case is responsible for allowing users to delete vehicle activities. This is an important use case as it allows users to remove activities that have been added to the wrong vehicle. This declutters the system/application as it removes any redundant data that users no longer need to keep.	
8	Re-Sort Log	This use case is responsible for sorting the vehicle activities log. This makes activities easy to find as they can be resorted based on their date or name.	
9	Save	This use case is responsible for saving the work/data created by users in the system. This allows vehicles and activities to be stored, so that when the system is opened again, the data that was previously created/edited can be restored.	
10	Retrieve	This use case is responsible for retrieving work/data created by users in the system. This allows vehicles and activities to be retrieved from the system and utilised from when the last edit was made.	

Use-case descriptions

Use-Case		Edit Vehicle	
Version / Date		1.0 - 11 May 2021	
Author		Travis Byrman	
Summary		A user edits the details of an	existing vehicle
Priority		Medium. Other use cases depend on this.	
Dependencies	Includes		
	Included by	Add Vehicle	
Actor(s)		Admin staff member/user	
Trigger		Selecting "Edit Vehicle" from the vehicle info menu.	
Pre-Conditions		The vehicle has been created.	
Description		 User enters new vehicle details. System verifies new vehicle details. System identifies valid input. System notifies user of successful changes. 	
Extensions/ Exceptions		Cause	Action
, ,		User has entered invalid vehicle details.	An error message prompts the user of invalid vehicle details and asks the user to try again. The vehicle change is unsuccessful.
		The registration number that the user has entered has already been taken.	An error messages prompts the user that an existing vehicle is created that uses the same registration number. The vehicle change is unsuccessful.
Illustrations		Screenshots on page 3.	
Post-Conditions		The vehicles details have successfully been changed.	

Use-Case		Delete Vehicle
Version / Date		1.0 - 1 May 2021
Author		Travis Byrman
Summary		A user deletes a vehicle record.
Priority		Low. Other use cases do not depend on this.
Dependencies Includes		
	Included by	
Actor(s)		Admin staff member/user

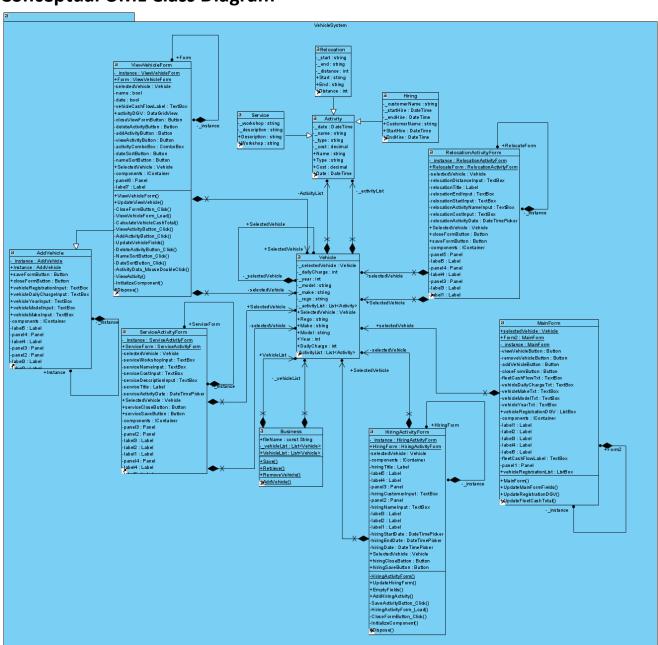
Trigger	Selecting "Remove Vehicle" from the vehicle info menu, after selecting a vehicle from the list in the vehicle info menu.	
Pre-Conditions	The vehicle has been created.	
Description	 System asks user to confirm action. User confirms action with system. System notifies user of successful record delete. 	
Extensions/ Exceptions	Cause	Action
	User clicks 'No when system asks for confirmation.	The system does not delete the vehicle and returns user to the vehicle info menu.
Illustrations	Screenshots on page 3.	
Post-Conditions	The vehicle is successfully deleted.	

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Use-Case		New Activity	
Version / Date		1.0 - 11 May 2021	
Author		Travis Byrman	
Summary	A user creates a new activity.		
Priority	ority High. Other use-case depends on this one.		this one.
Dependencies	Includes	Edit Activity	
	Included by	Edit Vehicle	
Actor(s)	•	Admin staff member/user	
Trigger		Selecting "Add Entry" from the view vehicle menu	
Pre-Conditions		The vehicle already exists.	
Description		 User enters new activity details. System verifies new details. System identifies valid input. System notifies user of successful changes. 	
Extensions/ Exceptions		Cause	Action
		User has entered invalid activity details.	An error message prompts the user of invalid activity details and asks the user to try again. The operation is unsuccessful.

	User has left an input field blank.	An error message prompts user of missing details and asks the user to try again. The operation is unsuccessful.
Illustrations	Screenshots on page 4.	
Post-Conditions	A new activity is successfully created.	

Progress Report Two

Conceptual UML Class Diagram



Package Diagram

