

Team: Matt Weber
Hanna Loboda

Title: Swap Your Ride

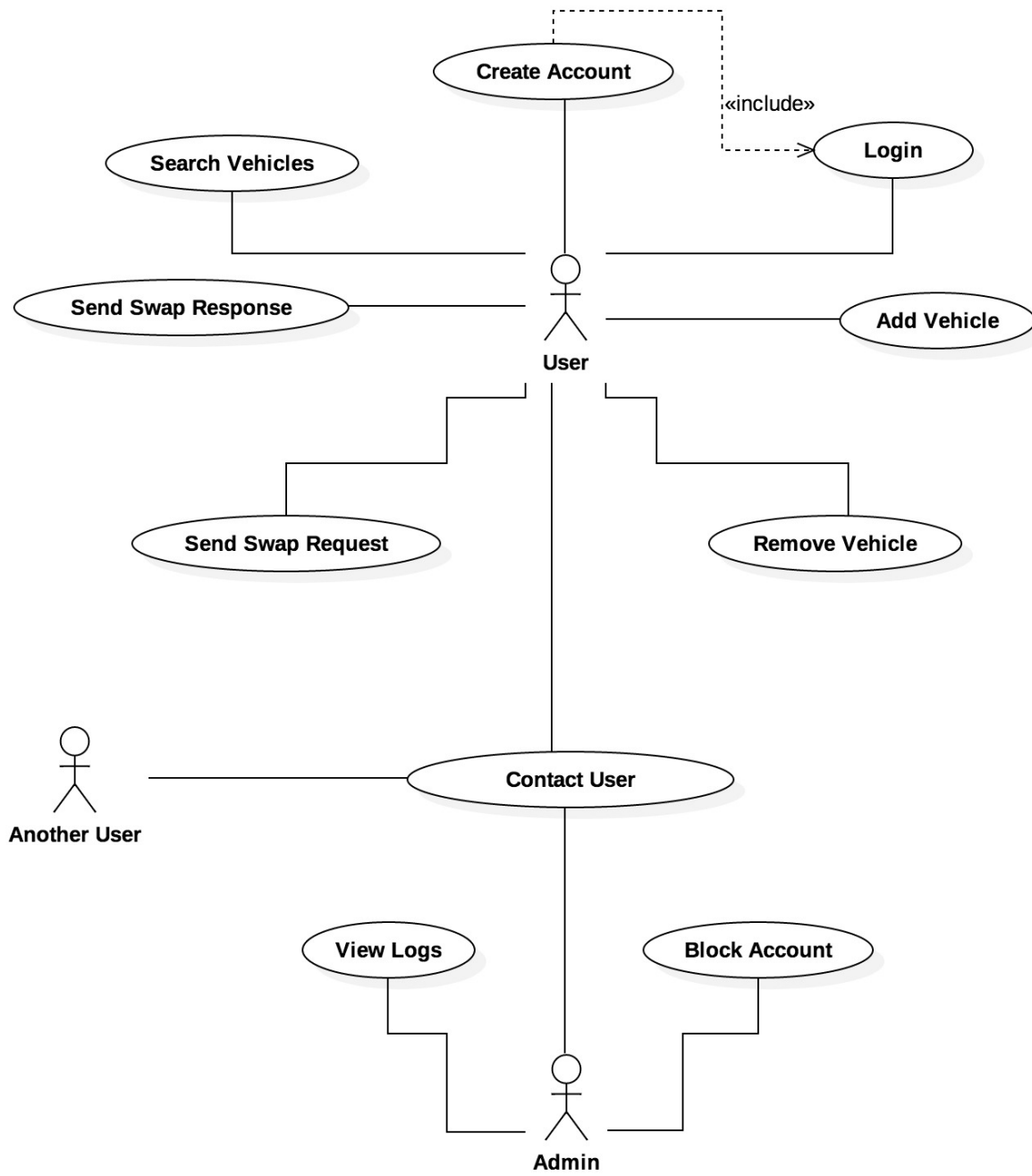
Project Summary: A website that lets users post their vehicles (cars, motorcycles, boats, etc) and search other users' listings to find a potential person to swap with based on various criteria (vehicle type, estimated value, etc). A user can create a swap request to send to other users, which the other user can accept or reject.

Project Requirements:

Business Requirements	NONE			
User Requirements				
ID	Requirement	Topic Area	Actor	Priority
UR-01	Users can create a new account using email address	Login	User	Critical
UR-02	Users can login with email address	Login	User	Critical
UR-03	Users can add vehicles and vehicle data	Profile	User	Critical
UR-04	Users can remove vehicles	Profile	User, Admin	High
UR-05	Users can search for other vehicles	DB	User	High
UR-06	Users can create and send swap requests	DB	User	High
UR-07	Users can respond to pending swap requests	DB	User	High
UR-08	Users can contact other users	DB	User, Admin	Low
UR-09	Admin can block users	DB	Admin	High
UR-10	Admin can review contact logs	Logging	Admin	Medium

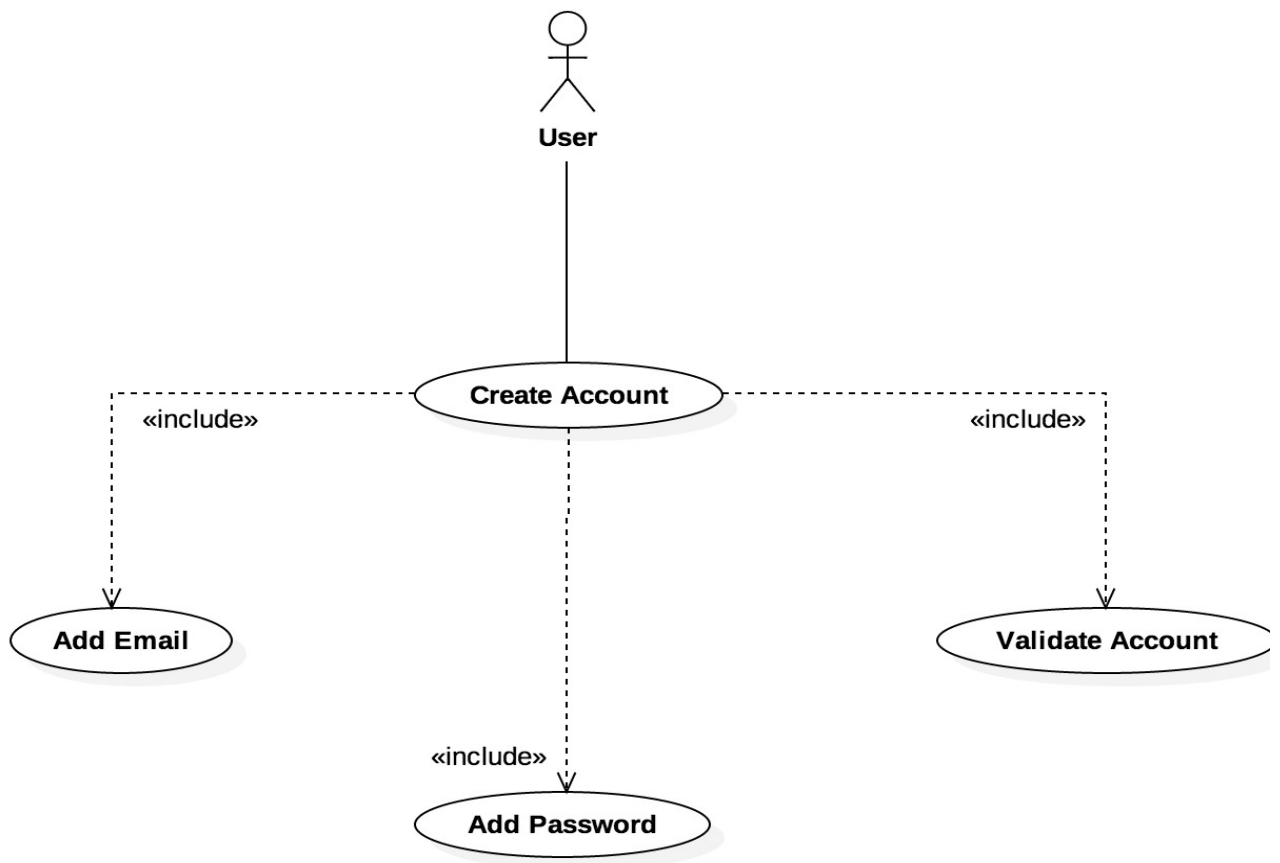
Use Cases:

Use Case Overview:

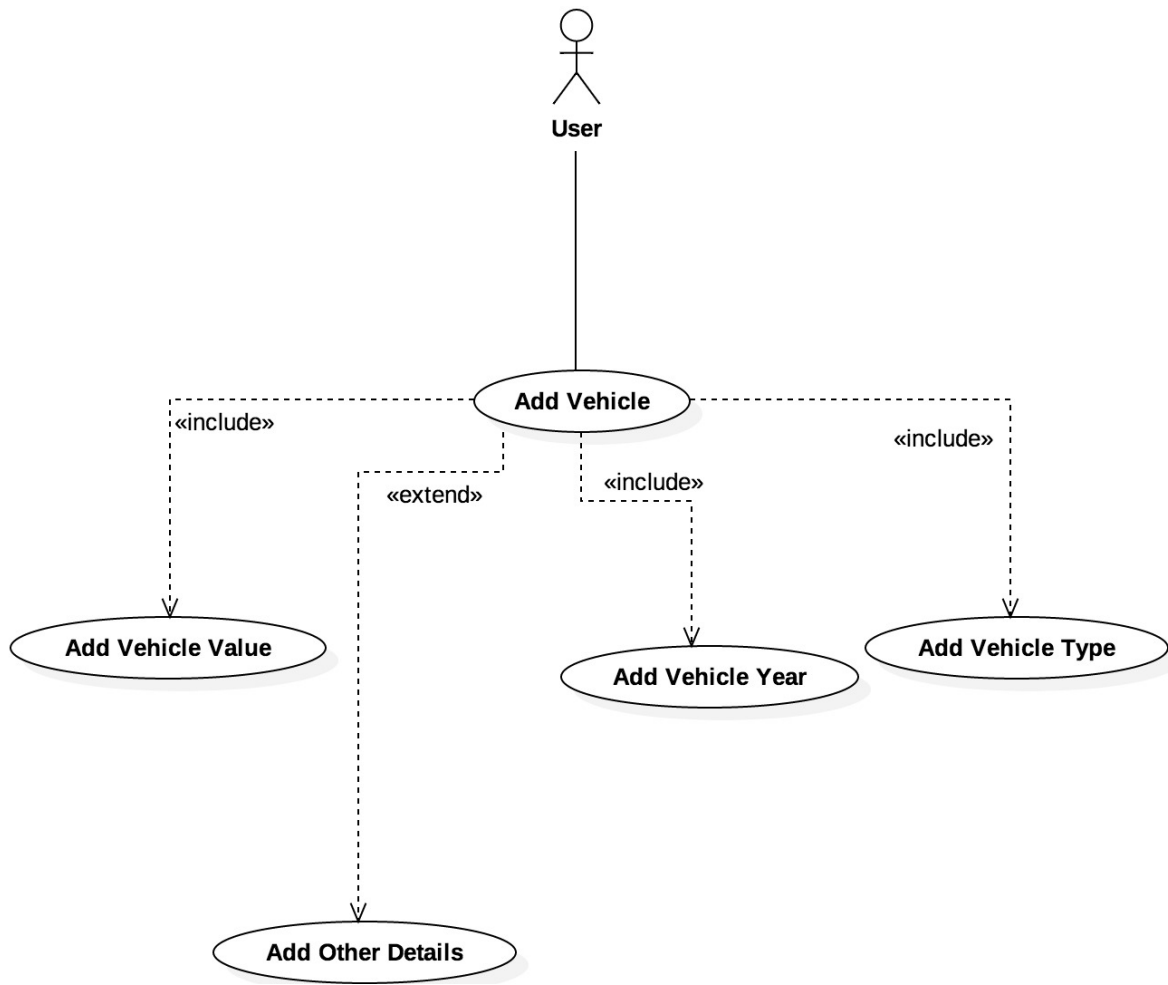


Use Case Sub-diagrams:

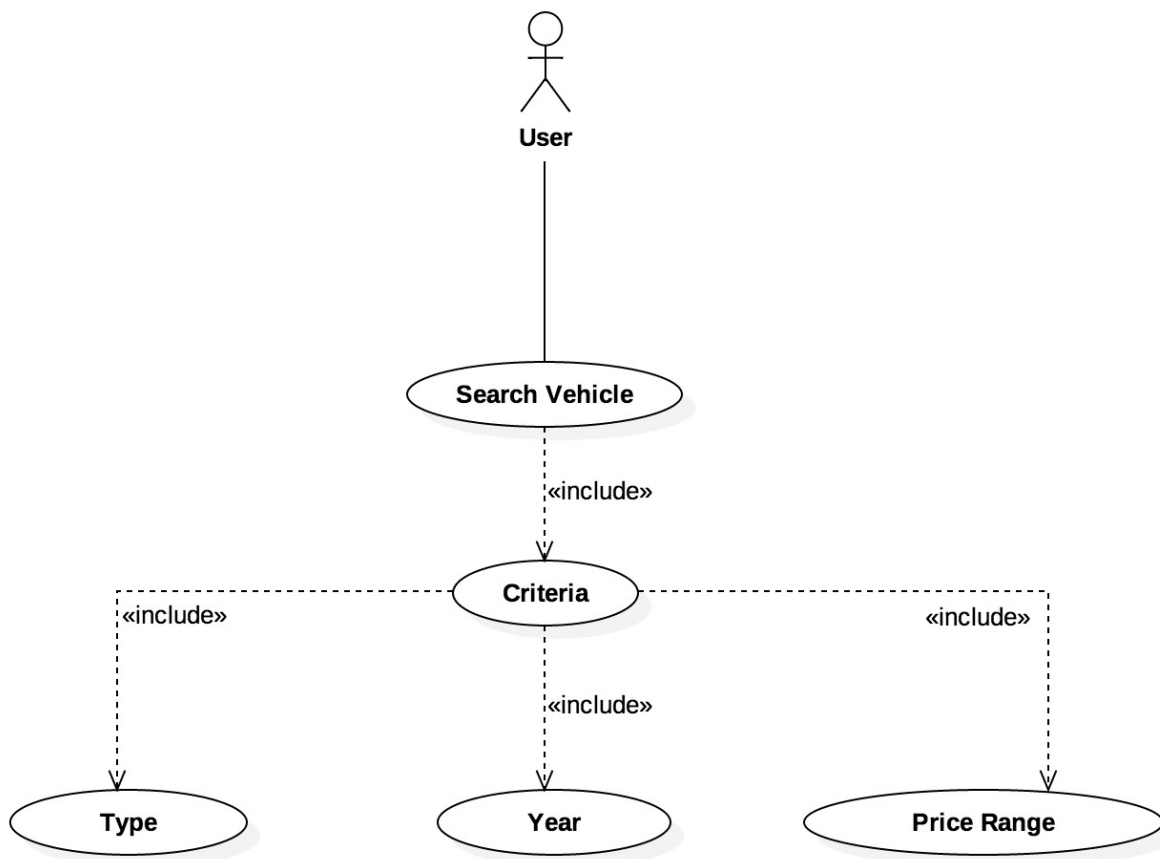
Use Case: Create Account



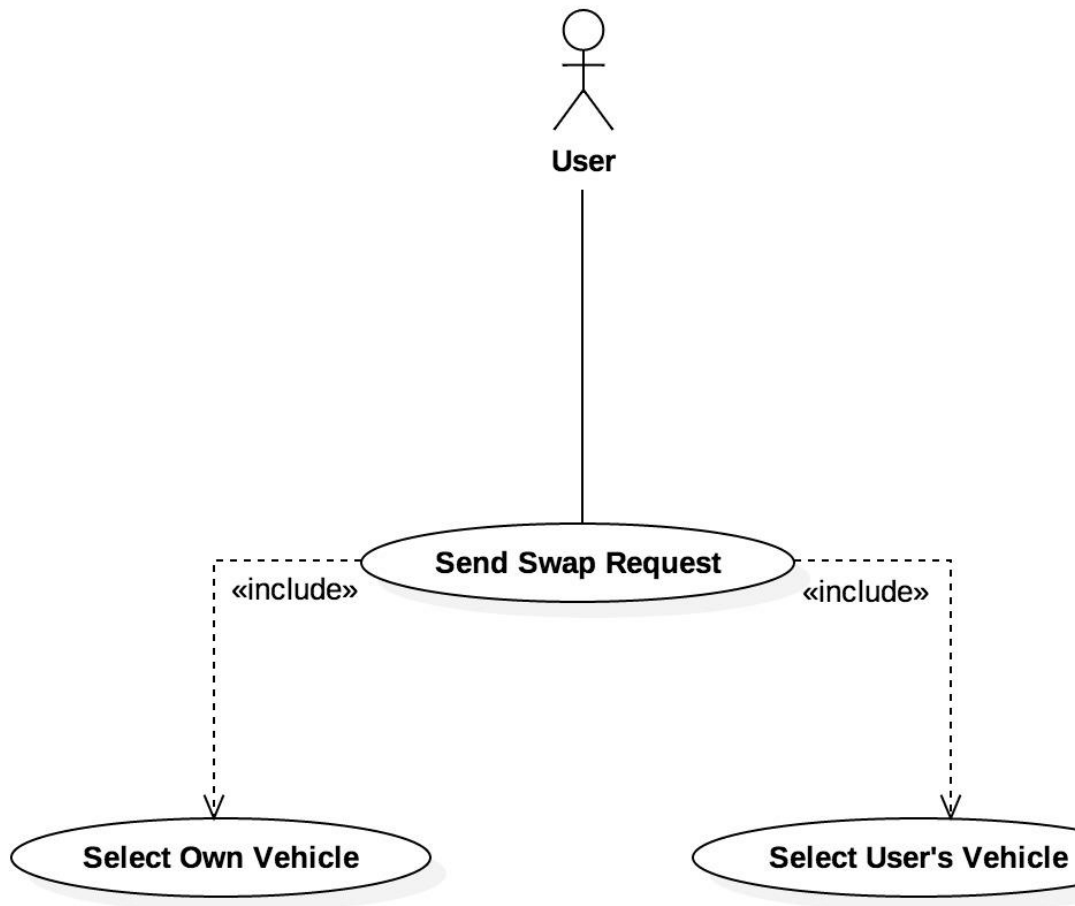
Use Case: Add Vehicle



Use Case: Search Vehicles



Use Case: Send Swap Request



UI Mockups:

Login Page

Email

Login

Password

Sign Up

Swap Your Ride

Message Display

User Account Page

[link](#) Listing

Remove

Select

[link](#) Listing

Remove

Select

[link](#) Listing

Remove

Select

[link](#) Listing

Remove

Select

Type

Search

[link](#) Query Result

Select

[link](#) Query Result

Select

[link](#)

Select

Resulted Message

Swap Selected

Admin Page

View Logs

Logs

User's List

[link](#) User ID

Block

[link](#) User ID

Block

[link](#) User ID

Block

[link](#)

Block

Data Storage: We will be using a MySQL database for data storage. We intend to store Account, Vehicle, Swap Request and LogEntry objects in the database.

Class Diagram:

