## **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:**

**Sub-diagrams:**

**UI Mockups:**

**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:**