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| Use Case Identification and History | | | |
| **Use Case ID:** | UR-06 | | |
| **Use Case Name:** | Users can create swap requests | **Version No:** | 1 |
| **End Objective:** | A swap request is created that both users can see | | |
| **Created by:** | Hanna Loboda | **On (date):** | 3/6/17 |
| **Actors:** | User | | |
| **Frequency of Use:** | One or more times per user. | | |

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| Preconditions |
| User has an account and at least one vehicle added, and has a vehicle search list showing. |
| Post-conditions |
| A swap request is created, listed in sent list for user and will show up as pending in other user’s acct. |

| **Basic Flow** | | |
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| **Step** | **User Actions** | **System Actions** |
| **1** | User selects vehicle from user vehicle list. |  |
| **2** | User selects vehicle from search vehicle list. |  |
| **3** | User clicks Create Swap Request button. | Model checks that both vehicles are in database. |
| **4** |  | Model checks that no swap request exists for the two vehicles. |
| **5** |  | Model creates new Swap Request. |
| **6** |  | View is updated with new swap request in swap request sent list |

| Alternate Flow | | |
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| **Step** | **User Actions** | **System Actions** |
| **1** | User selects vehicle from user vehicle list. |  |
| **2** | User selects vehicle from search vehicle list |  |
| **3** | User clicks Create Swap Request button. | Model finds a swap request that matches |
| **4** |  | View is updated with “Swap Request already exists” message. |

| Exception Flow | | |
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| **Step** | **User Actions** | **System Actions** |
| 1 | User selects vehicle from user vehicle list. |  |
| 2 | User selects vehicle from search vehicle list |  |
| 3 | User clicks Create Swap Request button. | Model does not find one of the vehicles in database. |
| 4 |  | View is updated with “Vehicle not found” message. |

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| Other Notes (Assumptions, Issues,) |
| 1. Controller and Model will not poll for new swap requests sent by other users. User will have to refresh list on his/her own. |