The following critical use cases outline the low level details of the most important features of our application.

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| **Use Case Component** | **Description** |
| Use Case Name | ID3: Attempt to register a new user |
| Primary Actor | New User |
| Pre-conditions | At entry point of app, on main browse screen |
| Success End Conditions | Either the new user is added to the database or it is identified that the e-mail is already in the database |
| Failed End Conditions | User is not registered |
| Main Success Scenario  A: Actor  S: System | 1. A: Selects “My Profile” tab 2. A: Selects “Register Here” button 3. A: Inputs “testEmail” in email field 4. A: Inputs “Password123” in password field 5. A: Inputs “Password” in confirm password field 6. A: Selects “Next” button 7. S: Moves to next info screen 8. A: Inputs “John” in first name field 9. A: Selects “Smith” in last name field 10. A: Selects “3065551234” in phone number field 11. A: Selects “Next” button 12. S: Moves to next info screen 13. A: Selects "Province" drop down list and selects "Alberta" 14. A: Selects "OK" button 15. A: Inputs “Edmonton” into city field 16. A: Clicks "finish" button 17. S: Adds the new user to database if it is not already |
| Extensions | IV. A: Inputs "weakpassword" into password field  VI. A: Inputs weakpassword |
| Priority | Critical |
| Response Time | < 1 second |
| Notes | The user is will only be registered if the specific test email has not already been used. If it has been used, it will be tested in the next part of the tests to make sure it can be logged into. |

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| **Use Case Component** | **Description** |
| Use Case Name | ID3: Filter Listings |
| Primary Actor | Browser (Can be signed in, or not signed in) |
| Pre-conditions | On “Browse” page |
| Success End Conditions | Listings on “Browse” page are filtered to specifications provided |
| Failed End Conditions | Listings on “Browse” page are not filtered to specifications provided |
| Main Success Scenario  A: Actor  S: System | 1. A: Selects “Filter” button 2. A: Selects “Provinces” drop down 3. A: Selects “Alberta” and “Saskatchewan” and selects the “OK” button 4. A: Drags the “Price” slider between “100 000 and 1 600 000” 5. A: Drags the “Square feet” slider between “100 and 10 000” 6. A: Drags the “Bedrooms” slider between “2 and 8” 7. A: Drags the “Bathroms” slider between “3 and 7” 8. A: Selects the “Apply Filter” button 9. S: Displays the listings from the database within the filter criteria |
| Extensions | I. - VIII. A: Selects Cancel Button  I. – VIII. A: Clicks outside of Filter pop up |
| Priority | Critical |
| Response Time | < 1 second |
| Notes |  |

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| **Use Case Component** | **Description** |
| Use Case Name | ID3: Add Trailer Listing in Saskatchewan |
| Primary Actor | Seller |
| Pre-conditions | User is logged in |
| Success End Conditions | Listing is added to browse page |
| Failed End Conditions | Listing is not added to browse page |
| Main Success Scenario  A: Actor  S: System | 1. A: Selects “My Listings” tab 2. A: Selects “+” button to add a listing 3. A: Selects “Province” dropdown list 4. A: Selects “Saskatchewan” province field 5. A: Selects “OK” button 6. A: Inputs “Saskatoon” in city field 7. A: Inputs “123 First Street East“ 8. A: Inputs “fls 9u8“ into Postal Code field 9. A: Inputs “130000“ into price field 10. Inputs “600” in Sq. Feet field 11. A: Inputs “5” in Bed Rooms field 12. A: Inputs “2” in Bath Rooms field 13. A: Inputs “Nice trailer with a little dust. Fixer upper.” 14. A: Adds 1 Image to images 15. A: Selects “Publish” 16. S: Attempts to Adds the listing to database |
| Extensions |  |
| Priority | Critical |
| Response Time | < 1 second |
| Notes | Disallow < 0 in Price, Bedroom, Bathroom, Sq. Ft fields.  Uploading images can only be done on mobile device. |

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| **Use Case Component** | **Description** |
| Use Case Name | ID3: Browse screen |
| Primary Actor | Browser |
| Pre-conditions | User is logged in |
| Success End Conditions | Some of the listings being browsed are saved to favourites |
| Failed End Conditions | Nothing is added to favourites |
| Main Success Scenario  A: Actor  S: System | 1. A: Selects "Browse” tab 2. A: Selects on Image for listing 3. A: Goes through listings, favouriting every second listing and disliking the others |
| Extensions |  |
| Priority | Critical |
| Response Time | < 1 second |
| Notes |  |