Dash Warning Use Case Testing (UI & UX)

# Sarah’s View of the UI Use Cases (Primary User)

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| **Use Case Name:** Register for Dash Warning | | **ID:** 1 | **Importance Level:** High |
| **Primary Actor:** Sarah | | | |
| **Brief Description:** Sarah wouldlike to register an account with Dash Warning so that any scanned faults can be saved to her account encase she ever needs to show a mechanic. She also wants to be able to chat / read up about other faults using the forum on the app. | | | |
| **Trigger:** The primary user would need to register with Dash Warning in order to start using the system. | | | |
| **Major Inputs:**  **Description Source**  Full Name Sarah Cullen  Phone Number 086 554 3212  Current Address Dublin 6, Co. Dublin  Postal Code D65Y87G  Password ILoveCars67!  Email Address sarah.cullen@gmail.com | **Major Outputs:**  **Description Source**  Account created System  User System  Password System | | |
| **Major Steps Performed:**   1. Fill out the necessary information the system requires to make him a Dash Warning account. 2. Click the Enter Account button so she can then login to the system. | **Information for Steps:**  The primary user needs the relevant information listed on the create account page in order to create an account.  Username and password will have been generated from the primary user creating an account with Dash Warning and they will now be able to log in.  Returns the user to the log in page. | | |
| **Pre-Conditions:**   1. N/A | **Post-Conditions:**   1. Sarah has created an account with Dash Warning and is able to log into Dash Warning successfully. | | |

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| **Use Case Name:** Log into Dash Warning | | **ID:** 2 | **Importance Level:** High |
| **Primary Actor:** Sarah | | | |
| **Brief Description:** Sarah would like to log into Dash Warning in order to start tracking any saved scans of faults that have appeared on her car’s dashboard along with view other details like roadside assistance numbers, a forum and some of the most common faults for each colour (Red, Amber & Green). | | | |
| **Trigger:** The primary user logging into Dash Warning | | | |
| **Major Inputs:**  **Description Source**  Username sarah.cullen@gmail.com  Password ILoveCars67! | **Major Outputs:**  **Description Source**  Access to user account, scan System  Option and other pages within Dash Warning. | | |
| **Major Steps Performed:**   1. Fill out the necessary information needed to log into Dash Warning. | **Information for Steps:**  The primary user needs the relevant information they inputted into the register page to log into their Dash Warning account such as, username (email) and password. | | |
| **Pre-Conditions:**   1. N/A | **Post-Conditions:**   1. Sarah has logged into Dash Warning and can access the pages within the system. | | |

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| **Use Case Name:** Scan dashboard fault symbol | | **ID:** 3 | **Importance Level:** High |
| **Primary Actor:** Sarah | | | |
| **Brief Description:** Sarah would like to scan a fault which is appearing on her car’s dashboard to figure out what the fault means and how to fix it. | | | |
| **Trigger:** The primary user would need to scan fault to see what it means and how to repair. | | | |
| **Major Inputs:**  **Description Source**  Select the scan button so Sarah / System  she can scan a fault symbol on her dashboard to figure out what it means and how to fix it. to | **Major Outputs:**  **Description Source**  Image and description are System  displayed back out so Sarah understands what is wrong along with nearby repair shops in case it is a major fault. She also has the option to save the scan or call roadside assistance. | | |
| **Major Steps Performed:**   1. The user selects the scan button at the bottom of her account page. This then takes her to the scan page where she can scan the fault symbol. 2. The user can see a description of what the fault means, how to fix and be notified of repair shops nearby using gps. | **Information for Steps:**  Go to the user account page, select scan and this will bring them to the scan page. Select scan to scan the fault and then the description will display back out. | | |
| **Pre-Conditions:**   1. N/A | **Post-Conditions:**   1. Sarah has now scanned a fault and received back information about it along with an option to save (if logged in) or to call roadside assistance if needed. She is also recommended nearby repair shops using gps. | | |

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| **Use Case Name:** Save scanned fault | | **ID:** 4 | **Importance Level:** High |
| **Primary Actor:** Sarah | | | |
| **Brief Description:** Sarah would like to save her scanned fault to her account so she has a history of what faults have appeared on her car so she can show a mechanic when needed. | | | |
| **Trigger:** The primary user needs to have an account and be logged in, in order to save a scanned fault to keep a history. | | | |
| **Major Inputs:**  **Description Source**  Be logged in or have an account Sarah / System  So she can save her scanned fault to keep a history of problems her car may be experienced. | **Major Outputs:**  **Description Source**  The user can view saved System  scans within their account. | | |
| **Major Steps Performed:**  **1.**The user being able to save their scanned fault once logged in. | **Information for Steps:**  The user must have an account and be logged in so she can save her scanned fault. If the user as neither they can’t save the scanned fault. | | |
| **Pre-Conditions:**   1. Must have an account and be logged in, in order to save scanned faults. | **Post-Conditions:**   1. Sarah can save her scanned fault and view them within her user account as she is a user of Dash Warning. | | |

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| **Use Case Name:** Call roadside assistance | | **ID:** 5 | **Importance Level:** High |
| **Primary Actor:** Sarah | | | |
| **Brief Description:** Sarah would like to call roadside assistance in the case that her fault is red and major or if her car breaks down. | | | |
| **Trigger:** The primary user would like to view the roadside assistance numbers if the fault is red and major or if their car breaks down regardless of them being a user or not. | | | |
| **Major Inputs:**  **Description Source**  View roadside System  assistance numbers | **Major Outputs:**  **Description Source**  Numbers displayed back out to System  Various services. | | |
| **Major Steps Performed:**  **1.**The user can view the roadside assistance page and view the numbers to various services. | **Information for Steps:**  The user is aware of the roadside assistance page and can use it regardless of the fault or if they are a user or not. | | |
| **Pre-Conditions:**   1. The user must have the fault scanned. | **Post-Conditions:**   1. Sarah can now view various roadside assistance numbers to different services when required. | | |

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| **Use Case Name:** View most common faults if offline | | **ID: 6** | **Importance Level:** High |
| **Primary Actor:** Sarah | | | |
| **Brief Description:** Sarah would like to view the most common faults pre-saved on the app encase she can’t scan due to no Wi-Fi. These will include the most common faults for each bracket (Red, Amber, Green). | | | |
| **Trigger:** The primary user would like to view what some symbols look and mean by using the pre-saved data on the app. The user would need to have the app open on their phone. | | | |
| **Major Inputs:**  **Description Source**  Select most common faults from navbar System | **Major Outputs:**  **Description Source**  View saved symbols & meanings System | | |
| **Major Steps Performed:**  **1.**The user being able to view the most common faults and their descriptions if required if they can’t scan due to no WI-FI. | **Information for Steps:**  The user can locate the most common page by using the navbar. | | |
| **Pre-Conditions:**   1. N/A | **Post-Conditions:**   1. Sarah can view what the most common faults mean for each bracket (Red, Amber, Green) when she can’t scan her dashboard due to no WI-FI or to upgrade her knowledge. | | |

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| **Use Case Name:** View Q&A Forum | | **ID: 7** | **Importance Level:** High |
| **Primary Actor:** Sarah | | | |
| **Brief Description:** Sarah would like to view the Q&A forum so she can read other users car fault issues and post a question if needed. | | | |
| **Trigger:** The primary user would like to view recent Q&As posted to the forum to read up about a fault someone else had and maybe post their own question. | | | |
| **Major Inputs:**  **Description Source**  Select Q&A forum from navbar System | **Major Outputs:**  **Description Source**  View other Q&As by other members System | | |
| **Major Steps Performed:**  **1.**The user being able to view recent Q&As by other users so they can learn more about their fault or post their own if logged in.  **2.** The user needs to be logged in in order to post their own Q&A to the forum. | **Information for Steps:**  The user can locate the Q&A forum page by using the navbar. | | |
| **Pre-Conditions:**   1. N/A – Again the user does not need to be logged in to look at the forum. 2. To post a forum (Q&A) the user is required to be logged in, so the data saves to their user account. | **Post-Conditions:**   1. Sarah can view other members Q&As by using the forum to gain better knowledge about her fault. She can also post a Q&A once she is logged in to get some response. | | |

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| **Use Case Name:** Logout | | **ID: 8** | **Importance Level:** High |
| **Primary Actor:** Sarah | | | |
| **Brief Description:** Sarah would like to log out of Dash Warning, so her account remains secure and safe. | | | |
| **Trigger:** The primary user would need to be logged in so she can log out of Dash Warning when she feels. | | | |
| **Major Inputs:**  **Description Source**  Select logout button from navbar System | **Major Outputs:**  **Description Source**  User is now logged out and System  Returned to the home page. | | |
| **Major Steps Performed:**  **1.**The user selects the logout button from the navbar so they can log out to keep their data save. | **Information for Steps:**  The user needs to be logged in so they can logout of Dash Warning by using the navbar. | | |
| **Pre-Conditions:**   1. The user must be logged in to Dash Warning. | **Post-Conditions:**   1. Sarah can now log out of Dash Warning once she is logged in by using the logout button from the navbar. | | |

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| **Use Case Name:** Enter Details | | **ID: 9** | **Importance Level:** High |
| **Primary Actor:** Sarah | | | |
| **Brief Description:** Sarah would like to enter the details explaining the type of fault she is experiencing. | | | |
| **Trigger:** The primary user would need to be experiencing a fault in order to enter the fault details to help detect the type of fault they are experiencing. | | | |
| **Major Inputs:**  **Description Source**  Enter in the following: System  1. Car Type  2. Colour of Fault  3. Describe Fault  4. Time Detected  5. Location | **Major Outputs:**  **Description Source**  A suggested fault or faults is displayed back System | | |
| **Major Steps Performed:**  **1.**The user enters in their fault details in order to help detect the fault they are experiencing. | **Information for Steps:**  The user just needs to have the app downloaded on their phone. They are not required to be logged in. | | |
| **Pre-Conditions:**  1. Sarah needs to enter in the details she is experiencing**.** | **Post-Conditions:**  1. Sarah can now be recommended on what type of car fault she might be experiencing. | | |
| **Use Case Name:** Detect Fault | | **ID: 10** | **Importance Level:** High |
| **Primary Actor:** Sarah | | | |
| **Brief Description:** Sarah would like to detect the fault she is experiencing. | | | |
| **Trigger:** The primary user would need to be experiencing a fault in order detect the fault she is experiencing in order to use the simple q&a forum presented. | | | |
| **Major Inputs:**  **Description Source**  Select the following options: System  1. Colour of Fault (Red, Amber or Green/Blue)  2. Times it Appear (1,2,3,4)  3. Fault have sound (Yes, No) | **Major Outputs:**  **Description Source**  A suggested fault or faults is displayed back System | | |
| **Major Steps Performed:**  **1.**The user selects from the options in order to help detect the fault they are experiencing. | **Information for Steps:**  The user just needs to have the app downloaded on their phone. They are not required to be logged in. | | |
| **Pre-Conditions:**  1. Sarah needs to select from the q&a what details she is experiencing**.** | **Post-Conditions:**  1. Sarah can now be recommended on what type of car fault she might be experiencing. | | |