

Dash Warning Use Case Testing (UI & UX)

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

Use Case Name: Register for Dash Warning		ID: 1	Importance Level: High
Primary Actor: Sarah			
Brief Description: Sarah would like 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:		Major Outputs:	
Description	Source	Description	Source
Full Name	Sarah Cullen	Account created	System
Phone Number	086 554 3212	User	System
Current Address	Dublin 6, Co. Dublin	Password	System
Postal Code	D65Y87G		
Password	ILoveCars67!		
Email Address	sarah.cullen@gmail.com		
Major Steps Performed:		Information for Steps:	
1. Fill out the necessary information the system requires to make him a Dash Warning account.		The primary user needs the relevant information listed on the create account page in order to create an account.	
2. Click the Enter Account button so she can then login to the system.		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:		Post-Conditions:	
1. N/A		1. Sarah has created an account with Dash Warning and is able to log into Dash Warning successfully.	

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:		Major Outputs:	
Description	Source	Description	Source
Username	sarah.cullen@gmail.com	Access to user account, scan	System
Password	ILoveCars67!	Option and other pages within Dash Warning.	
Major Steps Performed:		Information for Steps:	
		The primary user needs the relevant information they inputted into the register page to log into their Dash	

3. Fill out the necessary information needed to log into Dash Warning.	Warning account such as, username (email) and password.
Pre-Conditions: 2. N/A	Post-Conditions: 2. Sarah has logged into Dash Warning and can access the pages within the system.

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:		Major Outputs:	
Description	Source	Description	Source
Select the scan button so she can scan a fault symbol on her dashboard to figure out what it means and how to fix it. to	Sarah / System	Image and description are 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.	System
Major Steps Performed:		Information for Steps:	
4. 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. 5. The user can see a description of what the fault means, how to fix and be notified of repair shops nearby using gps.		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:		Post-Conditions:	
3. N/A		3. 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.	

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:		Major Outputs:	
Description	Source	Description	Source
Be logged in or have an account	Sarah / System	The user can view saved scans within their account.	System

So she can save her scanned fault to keep a history of problems her car may be experienced.	
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: 4. Must have an account and be logged in, in order to save scanned faults.	Post-Conditions: 4. Sarah can save her scanned fault and view them within her user account as she is a user of Dash Warning.

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 View roadside assistance numbers		Major Outputs: Description Numbers displayed back out to Various services.	
Source System		Source System	
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: 5. The user must have the fault scanned.		Post-Conditions: 5. Sarah can now view various roadside assistance numbers to different services when required.	

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:		Major Outputs:	
Description	Source	Description	Source
Select most common faults from navbar	System	View saved symbols & meanings	System
Major Steps Performed:		Information for Steps:	

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.	The user can locate the most common page by using the navbar.
Pre-Conditions: 6. N/A	Post-Conditions: 6. 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.

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:		Major Outputs:	
Description	Source	Description	Source
Select Q&A forum from navbar	System	View other Q&As by other members	System
Major Steps Performed:		Information for Steps:	
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.		The user can locate the Q&A forum page by using the navbar.	
Pre-Conditions:		Post-Conditions:	
7. N/A – Again the user does not need to be logged in to look at the forum. 8. To post a forum (Q&A) the user is required to be logged in, so the data saves to their user account.		7. 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.	

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:		Major Outputs:	
Description	Source	Description	Source
Select logout button from navbar	System	User is now logged out and Returned to the home page.	System
Major Steps Performed:		Information for Steps:	
1.The user selects the logout button from the navbar so they can log out to keep their data save.		The user needs to be logged in so they can logout of Dash Warning by using the navbar.	

Pre-Conditions: 9. The user must be logged in to Dash Warning.	Post-Conditions: 8. 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:		Major Outputs:	
Description	Source	Description	Source
Enter in the following:	System	A suggested fault or faults is displayed back	System
1. Car Type			
2. Colour of Fault			
3. Describe Fault			
4. Time Detected			
5. Location			
Major Steps Performed:		Information for Steps:	
1.The user enters in their fault details in order to help detect the fault they are experiencing.		The user just needs to have the app downloaded on their phone. They are not required to be logged in.	
Pre-Conditions:		Post-Conditions:	
1. Sarah needs to enter in the details she is experiencing.		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:		Major Outputs:	

<table><tr><th>Description</th><th>Source</th></tr><tr><td>Select the following options:</td><td>System</td></tr><tr><td>1. Colour of Fault (Red, Amber or Green/Blue)</td><td></td></tr><tr><td>2. Times it Appear (1,2,3,4)</td><td></td></tr><tr><td>3. Fault have sound (Yes, No)</td><td></td></tr></table>	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)		<table><tr><th>Description</th><th>Source</th></tr><tr><td>A suggested fault or faults is displayed back</td><td>System</td></tr></table>	Description	Source	A suggested fault or faults is displayed back	System
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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)															
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.														