Dash Warning

Group Name: AutoTek

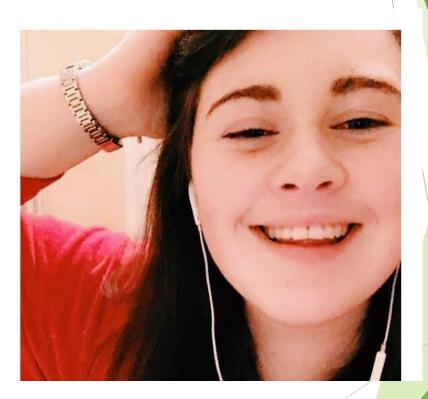
Sub-Team: **TeamR**

Roisin McPhillips



Names & Roles

- Name: Roisin McPhillips
- Roles: Scrum Master, Frontend Developer, GitHub & Testing
- ► Team Name: AutoTek / Sub-Team: Team RA
- ► **Technical Specialism:** Frontend Development & GitHub
- Scrumwise Link:
 https://www.scrumwise.com/scrum/#/sprints/project/l8-sd4-2021-auto-tek/id-31429-70635-94
- Individual Mahara Page:
 https://mahara.dkit.ie/view/view.php?t=y7hL5PAF
 Szb209w06ufa
- ► GitHub Link: https://github.com/D00219161/DashWarningTeamR A.git



Overview of The Application

- ▶ Dash Warning allows users to scan the symbols that appear on their vehicle's dashboard and displays what each symbol means. Apart from displaying what the symbols mean, it shows or recommends nearby repair shops in situations when a mechanic is needed using GPS location. The app will also recommend phone numbers to various roadside assistance personnel as the users request when they have broken down.
- ► Focus Group: People who drive Toyota & Volkswagen cars (new or old).
- Partnership: Mechanic located in Granard, County Longford, Ireland.

Requirements - Major Elements

Must Haves

- Scan the dashboard symbols
- Analyze the dashboard symbols
- Display symbols relative information
- Login account for managing user history

Should Haves

- Phone numbers for roadside repair services/assistance
- Most common error symbols displayed when device is offline & Sub pages
- Detect Fault Q&A to display back the type of fault
- Enter Details user input to detect fault quicker

User Persona



Sarah Cullen, 30

MARRIED KIDS **EDUCATION OCCUPATION** Teacher Dublin LOCATION

ANALYTICAL

INTELLIGENT

Yes

St. Pats Teaching

Bio

Sahara is a 30 year old Car Enthusiast driving a 2021 Volkswagen Passat ST Line with only 40,000 km on it. As she is a teacher with small children she understands how important her car is but does not understands the majority of parts her car needs. As she is driving a big expensive car it is important she keeps the car regularly serviced and maintained as parts for Volkswagen tend to be expensive. With the use of the application she can learn more about car dashboard symbols and what the colour of each mean. She can also be recommended to good mechanics in cases of emergencies.

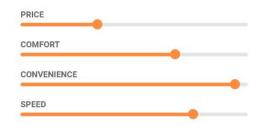
Goals

- . Tara's main goal is to learn more about cars and their faults with the app.
- She wants to understand what each warning symbol means as they appear on her dashboard.
- . She also wants to learn how to fix a simple fault by herself to save money.
- She also wants to be notified of near by mechanic shops encase of a serious fault.

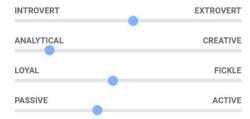
Interface Requirements

- . To be able to access roadside assistance where necessary as she is a busy person.
- To be able to navigate through the app with ease.
- To receive relevant information about what the warning symbols mean that may appear on her dashboard.

Motivations



Personality



Technology



Brands She Likes







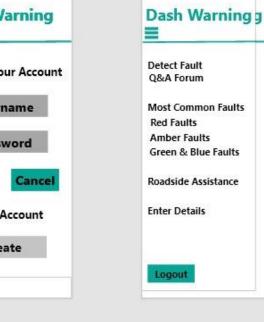
Software & Apps







Dash Warning Login To Your Account Username Password Cancel Create Account Create





Does in code Austration. The problems considered in the proper of the Security Does is chosed. Build be deep service of the Security of the Se spungs when you parts it or sinks all derives in the floor the could be force they could be force they could be force they could be force. hade that best and opining it you need to You need now and will **Battery Warning Light** Offline Screen E... **Dash Warning** became analyzing system providing elements; you may their process streeting broke serving on the regime broth stop missible.) The source of the sources hight may be as simple as a topic barrowy that thereo replacing For Expell also be car to a publish with the one states or more Most Common Faults Amber Faults



therned and and has been a stanistical in vehicles for decades. It is one of only a select fine presented is a time to our and features what is supposed to be the image of as our save head area with lines coming out from it. Saw head lamp on oring mount. These are not built but it is good to check regularly for blown blues in year

Automatic Headlight Dimmers



The system is also known as the High Store Assistant The the system will automaticable IAUTO or All switch between the low and high head light beans on the extensible venicle head lights in the clubics. These are not faults but it is good to check requirely for blown bears in you

Dash Warning

Amber Faults - Most Common Check Engine Light



It this section control before up it is very important or per year on should not but but and completely consult a since. The high warms of a protected publishes with the reagent which plan double over to credit discovering exist. These might one vertex because in the object to come are that it initial security their tradity service or a minute boar (ICIV). Safe in debel.

No. of his safe or other to be shouled at once to qualifie

for the state is, some as provided.

The "Ill the lights' is facility which you are district, in 1815 state it is filled using the case is a safe plane, stay the code of exists the case is a safe plane, stay the code, because it is one plane is mission. If it is not asked in the safe is the code of the co

To do pade famili se encerci y segor or come as possible to dy are one who council des lights or concerns and to along the seaging the condition

Traction-control Warning

This is to community new others the extent from page and the fire comar series. It gives a visual institution that progressions so the facts of papers the participation of the parallel representation of the property of the parallel and the paya sett story the system off. Sets to detect

No. 1 to be note to miner with this light on it will appear it you have july it.

In all conditions The rate or strong to their cover, it is level to reduce specific

Service Screen

Dash Warning

Roadside Assistance

AA Roadside Assistance 0818 66 77 88

Police Service Number 112 or 999

Fire Service Number 112 or 999

Ambulance Service Number 112 or 999

Irish Towing Service 01 429 8482

Home Display S... **Dash Warning**

Welcome to Dash Warning Login

Enter Details

Detect Fault

Enter Fault Details

Car Type - Make

Colour of Fault

Describe Fault

Suggested Fault

Enter Details Scr...

Dash Warning

Time Detected

Location

UI Prototype Testing

Dash Warning App Paper Prototype Testing (UI) - Paper Prototype (Adobe XD)

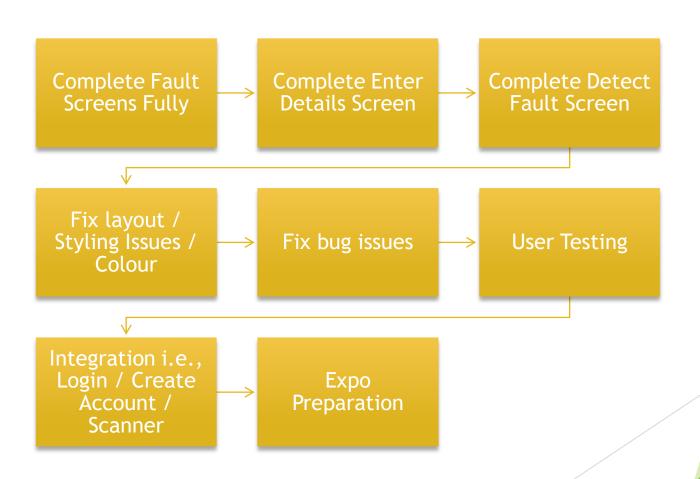
Test ID	Test Title	Details/Actions/Inputs	Expected Outcome	Actual Outcome	Result	Comment
1	Open App (Home Page - Welcome)	The user opens the Dash Warning App on their phone.	Land on Home page of app.	User lands on the home page (welcome page) of app.	PASS	Home page loads Successfully.
2	Login Button	Enters valid login details.	Moves to the User Account Page.	Moves to the User Account Page.	PASS	User account page loads Successfully.
3	Login Button	Enters invalid login details.	Stays on the login page.	Stays on the login page.	PASS	Error message stating invalid login made – try again.

Progress & Issues

- ► Home Page
- Login Page (Integration)
- Navbar Implemented
- Roadside Assistance Page
- Most Common Faults
- Fault Sub Pages Half Completed
- Detect Fault & Enter Details Half Implemented

- Development Slower than expected
- Some elements harder to implement i.e., Forum Input & Images - taking longer
- ► Time (2 weeks lost)
- Underestimating complexity of features - Images / Input Forum

Targets & Features T-CA4 (Final Release)



Release 2 Demo