



PhoenixDX Heroes

Project Documentation

Revision History

<u>S.No</u>	<u>Name</u>	<u>Date</u>	<u>Description</u>
1.	John Alvin Salamat	06/09/2023	1.0

Reviewers

<u>S.No</u>	<u>Name</u>	<u>Date</u>	<u>Company</u>

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Problem statement

Impact for Women was able to provide close to \$2 million in equivalent activity, supporting dozens of shelters, and thousands of women and children dealing with domestic violence. They have an active volunteer base of over 2000 people. But their current system of spreadsheets has reached its limit.

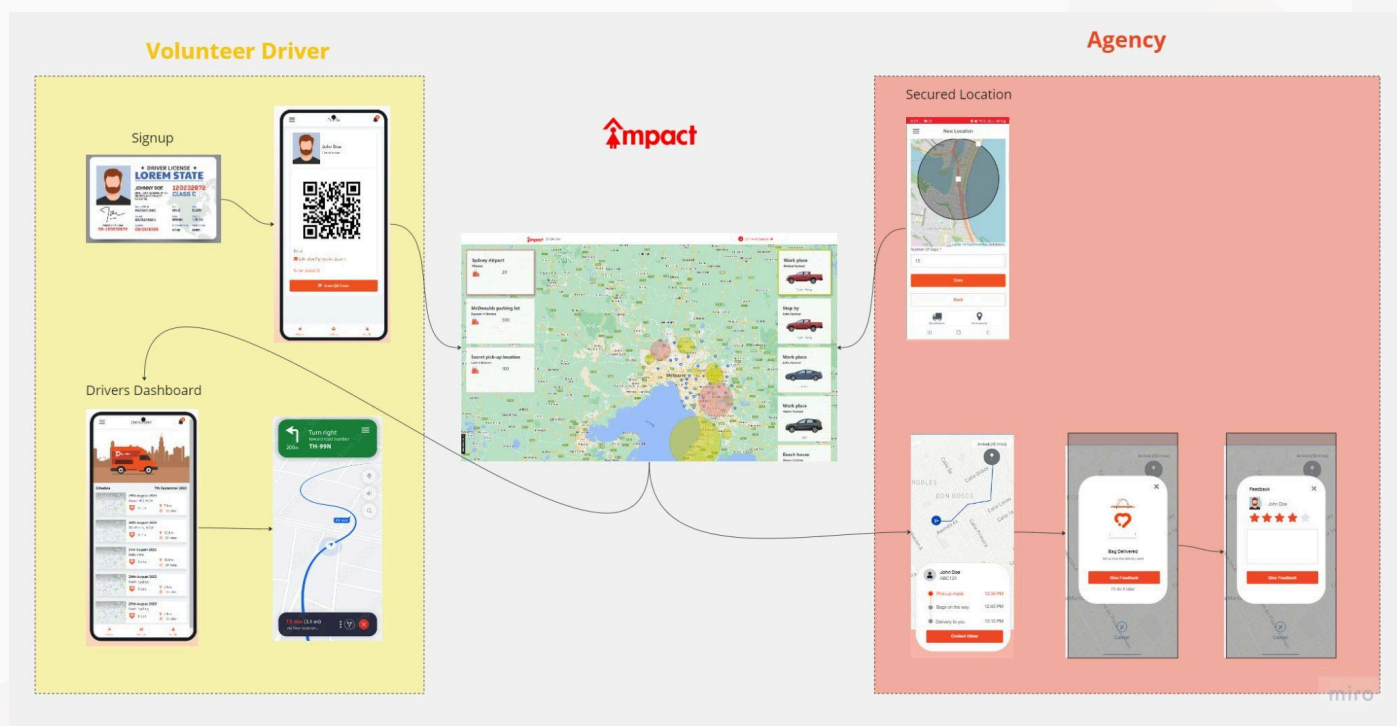
Every year, Impact packs thousands of Bags of Love as well as support bags for shelters. They then rely on dozens of volunteers to deliver those bags to shelters all over Victoria, Australia. Impact's Admin spends many hours trying to coordinate volunteers (who nominate areas they can help with), aligning them with shelters, and then shuffling the names until all deliveries are covered. Impact would love a way to manage this in a more efficient manner, including notifications to volunteers, and the ability for the volunteers to mark their delivery complete. Also, they would like to tackle the challenge of organising how much load volunteers can take to make the process of delivery efficient.

Another challenge is data security - particularly ensuring that some shelter information is not visible to unauthorised people. As you might expect, some shelters are "off-grid" and this information is sensitive in the extreme.

Big Hairy Audacious Goal: To grow into a national charity providing support services where it's needed most, and boosting their equivalent economic impact to over \$20 million annually.

Project Description

Drive and Deliver solution orchestrates volunteer driver matching to agency. Automates the process to make delivery efficient and secure. Drivers sign up with an automatic ID verification and vehicle registration.



Cause you are supporting

Impact for Women

Impact is a volunteer run charity making a difference to women and children fleeing extreme violence at home. Its mission is to provide hope to women and children escaping extreme abuse at home.

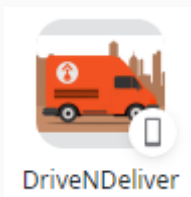
By providing gifts and services with dignity, recipients can envision the possibility of a happier and safer future.

Impact is creating a more caring and compassionate society by delivering programs that are practical, grassroots and common sense.

Features Implemented

- Consumption of Rest API
- Generating of QR Code
- Javascript integration
- Mapping components integration
- Animations using Lottie
- Service Actions to communicate between app
- WebXR Augmented reality in measuring vehicle cargo space
- OpenAI Text Completion - get cargo space reference
- Feedback and Rating system to driver to help on the credibility of the driver
- Charts to show deliveries made and categorise them into Suburbs

Innovation of your solution



Scan the code to access the **mobile** app.

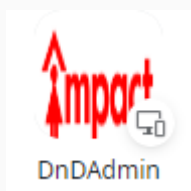
You can add it to your device's home screen or open it using your browser.

<https://phoenixdxheroes.outsystems.app/DriveN Deliver/>

DriveN Deliver

Mobile App to cover the usage of Driver Persona.

- ID verification matching with the face and drivers licence
- Vehicle verification to see the registration of the vehicle
- OpenAI Text Completion - get cargo space reference
- Augmented Reality measurements using WebXR to get a reference on boxes that can fit
- Delivery schedule dashboard to know priority
- Google maps integration to have an overview of the dropoff location
- Navigation for the driver to easily get to the location
- Generated QR code to help on the check-in process when picking up the box/packages



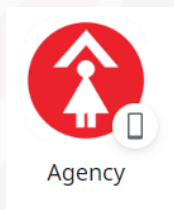
open in your **web** browser:

<https://phoenixdxheroes.outsystems.app/DnDAdmin/DriversMatching>

DnDAdmin

Web App to cover the usage of Impact for Women admin

- Driver matching base on drivers location and agency's defined delivery location
- Map view inclusive of available drivers and vehicles available
- Map markers - Agency sensitive drop off location mark by red in the map while drivers are marked as yellow



Scan the code to access the **mobile** app.

You can add it to your device's home screen or open it using your browser.

<https://phoenixdxheroes.outsystems.app/Agency/>

Agency

Mobile App to cover the usage of Agency Persona.

- Mapping integration to define sensitive delivery location
- Track scheduled deliveries to know if the driver is coming
- Feedback and Rating system to driver to help on the credibility of the driver

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Build for the Future Hackathon Technical Evaluation

1. Create a responsive interface using a Web app with different end-user profiles
Inputs: DnDAdmin
2. Create a native mobile, or PWA, using a Phone app and integrate it with the device feature
Inputs: DriveN Deliver (PWA) and Agency (PWA)
3. Include a graphical representation of data using Charts
Inputs: Donut Chart and Line Chart from OutSystems
4. Isolate some logic using Libraries that can be reused across apps
Inputs: Theme
5. Send emails
Inputs: Emails are sent to notify the driver of a new delivery.
6. Accelerate the development using available ODC Forge components (eg. Data Grid, PDF, Push Notification...)
Inputs: OpenAI, Lottie, Location Plugin, Common Plugin
7. Import and export data from the apps using any format (eg. Excel, CSV, PDF, ...)
Inputs: Extracting Delivery in JSON format for RSS Feeds
8. Use Generative AI inside apps (eg. content generation or summarization)
Inputs: Using OpenAI to inquire about the cargo space of the vehicle which is use to calculate the boxes that will fit
9. Integration with external systems using a built-in connector (eg. REST, SQL Server, Oracle, ...)
Inputs: OpenAI rest api consumption
10. Augment capabilities of low code with **external logic** feature
Inputs: Using WebXR capability to create an augmented reality providing capability to measure vehicle's actual cargo space