

Power Up Challenge



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Power Up Challenge overview

- Mandatory requirement for successful completion of the course
- Apply your knowledge and skills acquired during this course
- Requirements span across
 - Dataverse
 - Power Apps (Model driven apps & Canvas apps)
 - Power Automate cloud flows
 - Power BI reports

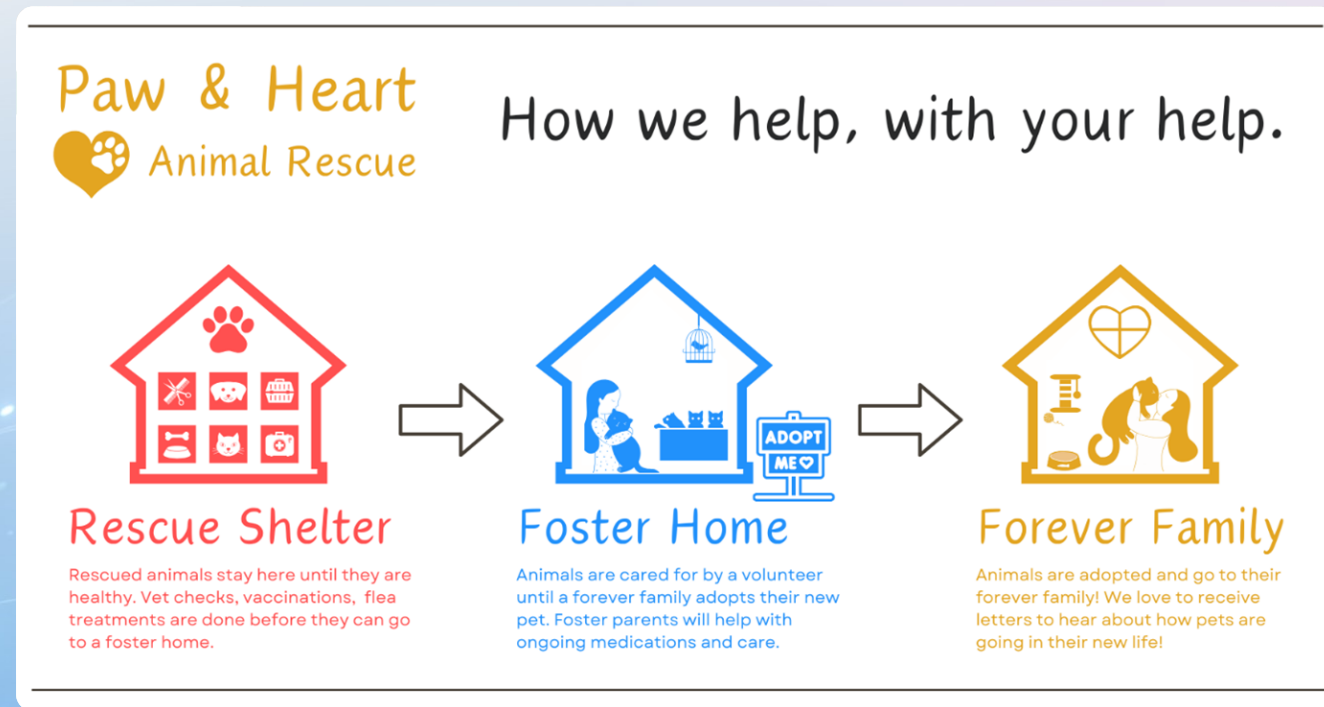


Business Scenario (Animal Shelter)

Paw & Heart is an animal rescue charity that operates animal shelters and liaises with local families to foster animals in need. The goal is to help every pet to get the veterinary care they need and to find their foster families.

The organisation aims to:

- Improve record-keeping on animals staying at their shelters and foster homes
- Make it easier for foster families to provide support
- Provide the social media team with insightful reports to help them encourage more people to foster a pet



You will address these requirements using Microsoft Power Platform to streamline the operations of this organisation.

Power Up Challenge requirements



High-level use-cases

Requirement

1. Create Dataverse tables and load provided data in Dataverse
2. Create a model driven app listing all the animals in the shelter and their details
3. Create a canvas app listing all animals available for fostering and their details
4. Send Power Automate notification containing fostering process details
5. Create a Power BI data visualisation dashboard

Requirement details - Dataverse

Requirement	Persona	Use case
1. Create Dataverse tables and load provided data in Dataverse	Shelter Staff	to effectively manage all shelter data in one place

Import all the provided data from the Power Up Challenge resources into the Dataverse.

- ☐ Animal data
- ☐ Shelter locations
- ☐ Foster family information

TIP:

Visually inspect the provided data and evaluate appropriate data types. Understand the relationships between these tables. Ensure that the Dataverse column that you are mapping to during import are setup adequately. For e.g., the text field lengths are set to appropriate max. character count to avoid import errors.

Requirement details – Model-driven app

Requirement	Persona	Use case
2. Create a model driven app listing all the animals in the shelter and their details	Shelter Staff	to effectively manage all shelter operations

- ☐ View a list of animals displaying name, type, shelter status and location
- ☐ Ability to sort and filter the animal list by type of animal and by shelter status
- ☐ Ability to select an animal and see animal details such as name, type, age, sex, shelter status, location, medical issues, upcoming veterinary appointment
- ☐ Ability to update the details for an animal such as medical issues veterinary information and mark an animal as “ready to foster” once they have passed their medical requirements.

TIP:

Consider using Power Fx column for location field. Here's a quick video that explains formula columns - [Power Fx Dataverse Formula Columns](#)

* Authentication for the shelter staff, foster family and marketing team is NOT required.

Requirement details – Canvas app

Requirement	Persona	Use case
3. Create a canvas app listing all animals, available for fostering, and their details	Foster Family	to facilitate choosing an animal to foster

- ☐ Select a local shelter name
- ☐ View a list of animals at the selected local shelter that are ready to be fostered, featuring name, type, age, picture, and any medical conditions
- ☐ Ability to select an animal, enter foster family information and update the status to "claimed for foster" on click of a button and the family that the animal is associated with

Requirement details – Power Automate

Requirement	Persona	Use case
4. Send Power Automate notification containing fostering process details	Foster family	to advise the foster family on next steps

❑ When an animal's status changes to 'claimed for foster', send a notification email* to the foster family indicating details associated with the animal and a date to arrange to come and pick up the animal.

* Send/receive emails using your personal email address

Requirement details – Power BI

Requirement	Persona	Use case
5. Create a Power BI data visualisation report	Marketing Team	to showcase shelter accomplishments

☐ Latest News (In last 1 months)

- ☐ Number of pets who arrived at the shelter

- ☐ Number of pets that were fostered

☐ Trends (In last 3 months)

- ☐ Most rescued type of animal

- ☐ Most fostered type of animal

Business Data

Download business data and assets from the Power Up Challenge resource library.

You've been given three data tables to use to complete this task:

- Animals
- Shelters
- Foster Families

This data has been generated with AI.



Submission Requirements

To submit your Power Up Challenge, you will need to create a video demonstrating the various features of your solution that address the various challenge requirements.

Video requirements:

- Must be in .mp4 file format
- Must be 10 minutes or less in duration
- Must be under 100MB in file size
- Must feature your narration (voice over), explaining the solution.

Submit your video under the Power Up Challenge tab on the Hub page.



Power Up Challenge

