Sprint 1

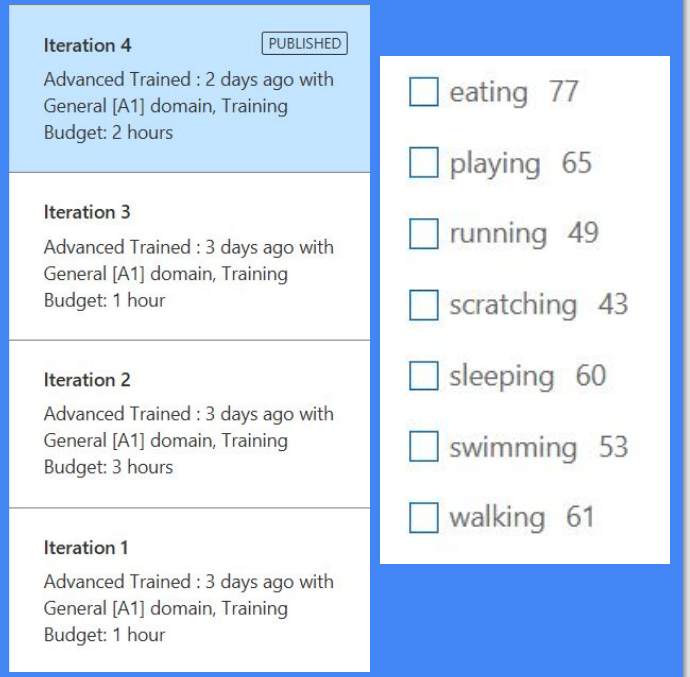
Project Context

- Web-based prototype that can analyse images of animals & categorise behaviours
- Uses Azure Vision AI, a cloud-based cognitive service for image analysis
- Incorporates Scrum for iterative development

Sprint 1

- Researched and tested AI models - Google Vertex AI, Google Cloud Vision AI, and Azure AI.
- Trained Azure AI.
- Created an upload image and analysis page.
- Ran test cases for image upload, AI processing, and results display.
- Ran daily stand-ups.

Training Azure AI



- We tested image analysis models: Google Vertex AI, Google Cloud Vision AI, and Azure AI by uploading images to assess their performance.
- We selected Azure AI due to its user-friendly setup and the flexibility it offers with both pre-built and custom models.
- Trained Azure AI through 4 iterations of Advanced Training:
    - Found images of different animal behaviours from Pexels and Pixabay
    - Tagged images with 7 different behaviour tags
- Although we trained the images using azure custom vision, due to time constraints we switched to azure computer vision

Demonstration

Next Steps

- Store images in a database
- Connect to custom vision
- Make the application mobile-friendly
- Improve UI design for upload image and analysis page
- Improve error messaging and user feedback
- Add colour coding and icons to analysis results
- Run unit tests and accessibility tests

Questions

- Do you have any feedback for our current progress?
- What is expected to be completed by the end of Sprint 2?

Thank You!