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MAXIMUM MARKS	2 MARKS

Chapter 3
Requirement Analysis

3.1 Custom journey map

In the Requirement Analysis phase of the Dog Breed Identification using Transfer Learning project, the Customer Journey Map was developed to understand how users interact with the system from the initial stage of recognizing a need to the final outcome of obtaining breed identification results. This journey helps identify user expectations, potential painpoints, and opportunities for system improvement.

The journey begins with the awareness stage, where the user realizes the need to identify a dog's breed. This situation may arise when a pet owner adopts a new dog, when a veterinarian requires breed information for medical assessment, or when an individual encounters a stray dog and wishes to know its breed. At this stage, the user may feel curious or uncertain. They may attempt to manually compare images online or seek advice from experts, but often experience confusion due to the similarity between breeds. This creates the motivation to search for a technological solution.

Overall, the Customer Journey Map reveals that users prioritize simplicity, speed, and accuracy throughout their interaction with the dog breed identification system. From awareness to post-experience, each stage highlights functional and non-functional requirements such as intuitive designrobust image preprocessing, efficient model performance, accurate classification, and user satisfaction. By analyzing the customer journey, the project ensures that the developed system