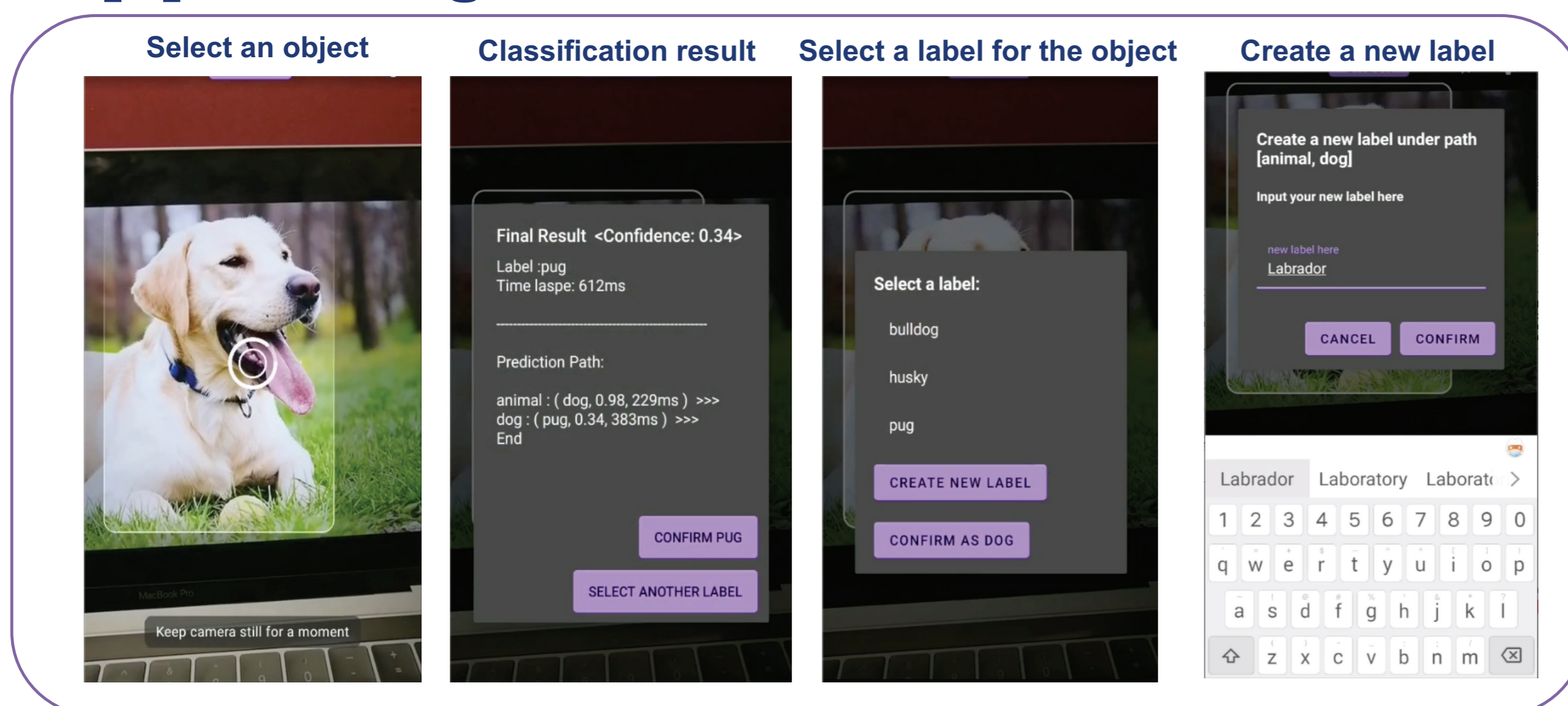


# Real-time Visual Object Classification For Augmented Reality

## Objectives:

The project aims to design and implement a mobile software application to allow users to **build their own image classification knowledge database [1]**. The application provides **automated pipeline of CNN model training and deployment [2]**. Moreover, the project proposed a novel **multi-model hierarchical classification mechanism [3]** to boost the performance for difficult classification tasks in a specific domain.

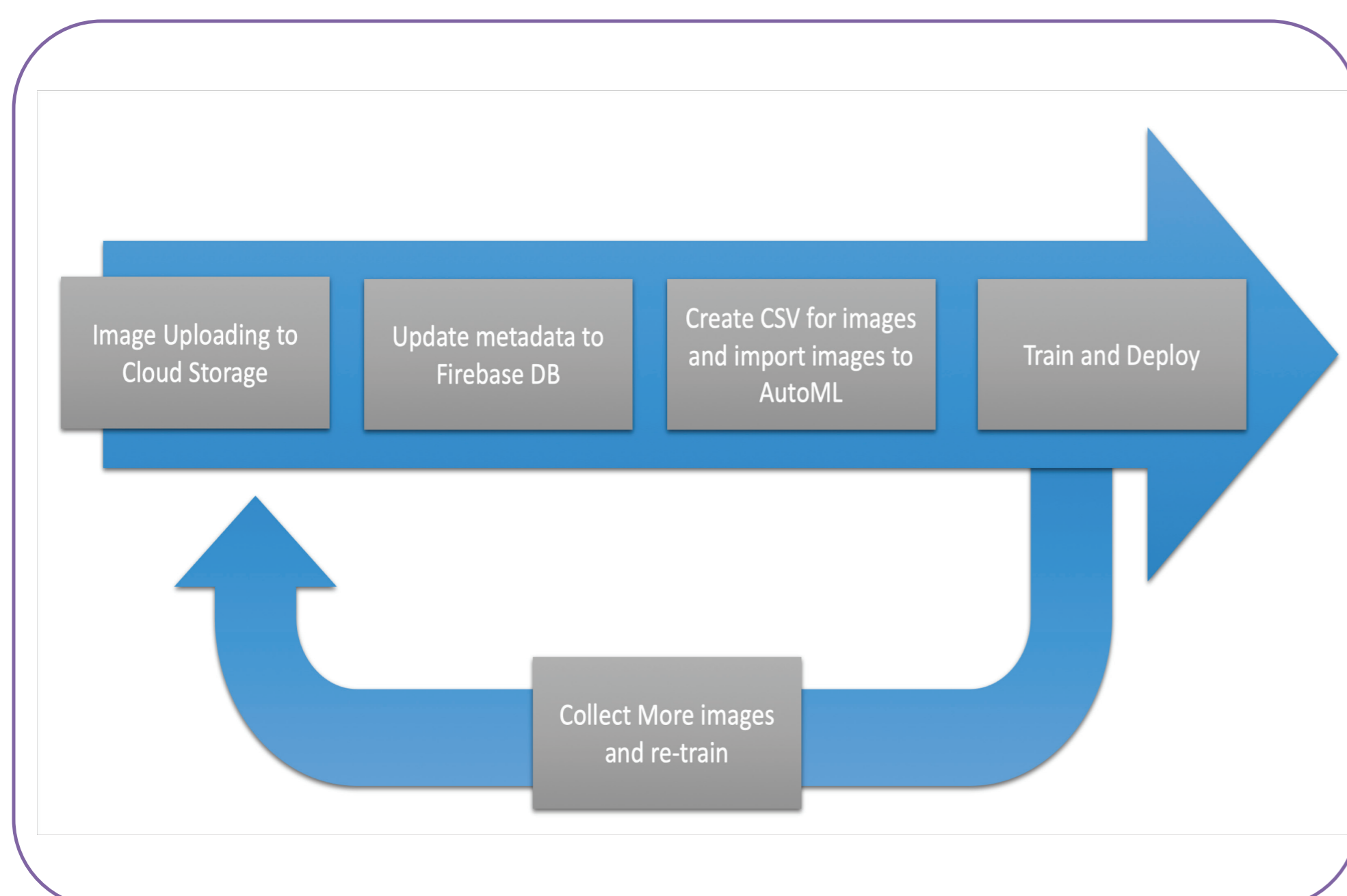
### [1] UI Design for different use cases :



### Key Words:

- No machine learning expertise required for users
- Highly extendable knowledge database
- Informative result with better accuracy

### [2] Automated Pipeline :



### [3] Tree-based model hierarchy:

