Technologies Used

This document provides an overview of the technologies used in the development of [Your Application Name].

Backend Technologies

Frameworks and Libraries

- **Flask**: Flask is a micro web framework written in Python. It is used for building the backend server of the application.
- **Flask-CORS**: Flask-CORS is a Flask extension for handling Cross-Origin Resource Sharing (CORS), which is essential for enabling communication between frontend and backend components.

Database

- **SQLite**: SQLite is a lightweight relational database management system. It is used as the database engine for the application.

Image Processing

- **OpenCV**: OpenCV (Open Source Computer Vision Library) is an open-source computer vision and machine learning software library. It is used for image processing tasks such as object detection.

Frontend Technologies

Frameworks and Libraries

- **Vue.js**: Vue.js is a progressive JavaScript framework used for building user interfaces. It is used for developing the frontend components of the application.
- **Vue CLI**: Vue CLI is a standard tooling for Vue.js development, providing pre-configured build setups and a modern development environment.

Styling

- **Bootstrap**: Bootstrap is a popular CSS framework for building responsive and mobile-first websites. It is used for styling the frontend components of the application.

Communication with Backend

- **Fetch API**: The Fetch API provides an interface for fetching resources (such as JSON data) across the network. It is used for making HTTP requests from the frontend to the backend server.

Additional Tools and Utilities

Docker: Docker is a platform for developing, shipping, and running applications in containers. It is used for containerizing the application components and simplifying deployment.

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