1. **Does it accomplish the stated objective?**

* Displays animals retrieved via a public API.
* Allows filtering preferences (animal type, age, and location).
* Provides easy navigation and interaction with animal cards.

The adoption process itself is manual and first-come-first-served, operated in shelters. This application does not provide adoption procedures.

1. **Does it deliver on the “value proposition”? (10 points)**

* **Personalized Animal Adoption Process**: Users can set preferences for animal type, age, and ZIP code in the PreferencePage.
* **Easy Access to Animal List**: The app pulls animal data from a public API (King County API).
* **Easy Access to Animal Descriptions**: Animal memos are accessible via detailed pages.

The adoption process remains manual, as it is changed from the first proposal.

1. **Does it respect user privacy and is it secure?**

The app uses flutter\_secure\_storage to securely store

* User preferences (animal type, age, and ZIP code).
* Liked animals (favorites).

This ensures sensitive user data is encrypted and safely stored.

1. **App Lifecycle/State Management**

* **Preserves Preferences**: Data is saved when the app is paused or closed and reloaded when resumed.
* **State Restoration**: Preferences and liked animals persist across sessions, maintaining a seamless user experience.

1. **Three Additional Mobile Development Challenges**

* **Network Handling and Error Management**: Uses try-catch to handle errors during API calls, ensuring the app doesn’t crash on failures.
* **Data Persistence**: Uses flutter\_secure\_storage to persist user preferences and favorites across app restarts.
* **User Engagement with Notifications**: Although not fully implemented in the code, the requirement to notify users about liked animals available for over three days shows foresight into enhancing user engagement.
* **User Experience**
* Simple, clean interface.
* Users can easily navigate and view full-screen images of animals.
* The ability to like and track animals adds engagement.
* Limited interactivity (e.g., no advanced search or sorting).
* Only a PageView and ListView for browsing, which might feel basic.