

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.

2. 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.

3. 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.

4. 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.

5. 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.