

### 1. Does it accomplish the stated objective? (7/10)

- 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”? (7/10)

- **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?(10/10)

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 (10/10)

- **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 (7/10)

- **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 (3/5)**
- 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.