CRAB CAKES



tool to aid researchers in effectively

maintaining the health of the critical

piece of infrastructure that is the

collecting data to advise policy

decisions which are crucial to

Colorado River.

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Motivation:

Researchers at the USGS, AZ Game & Fish Department, and US Fish & Wildlife Service are collecting vital data on endemic fish in the Colorado River to advise policy decisions.

However, they are currently using outdated, unmaintained software with an unintuitive interface, which slows down their research operations.

Solution:

We are building a modern, flexible data entry application with robust backups, customizable fields and full offline capabilities. This will remove data entry errors, eliminate reliance on outdated software and ensure that researchers can save and add data without internet.

Key Features:

- Customize fields for different study designs
- Compatible with Bluetooth PIT Tag Readers
- Auto-backup to external storage
- Export to .TSV File Format
- Full offline capabilities for fieldwork

Technologies:









<u>Flutter</u>

Dart

SQLite

Bluetooth





