



Team: Ethan Meyer, Manjot Kaur, Moraa Morara, Nasya Valenzuela

Client: Mike Taylor, Mark Manone **Mentor:** Scott LaRocca

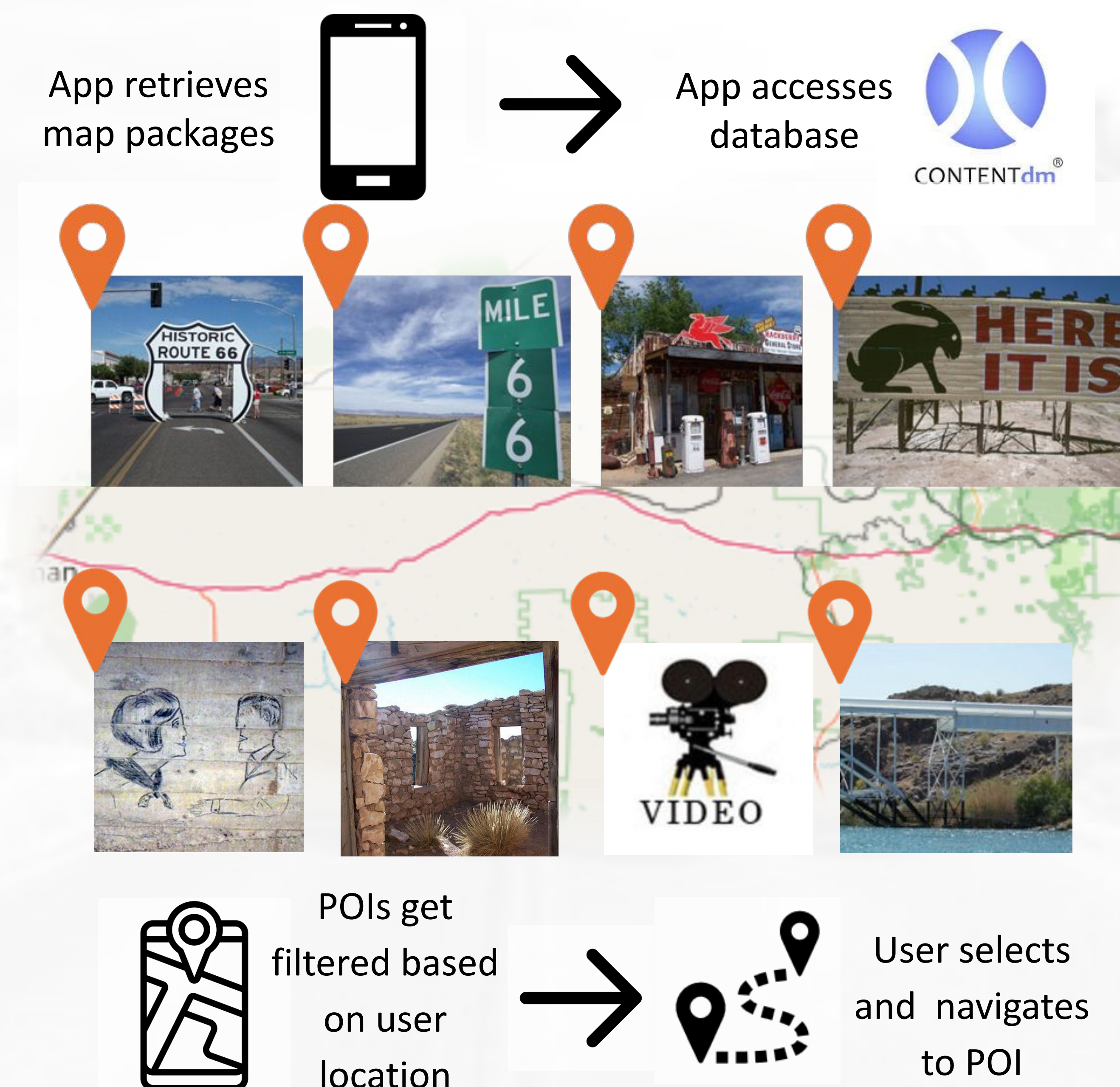
The Problem

- **Route 66's 100th anniversary** in 2026 is sparking new interest in its history and culture among travelers.
- **Cline Library SCA** holds over **100,000** Route 66 photos, maps, and stories in its online database, CONTENTdm.
- CONTENTdm works well for research but isn't designed for travelers on the road.
- It **lacks** mobile access, interactivity, and GPS-based discovery of local stories.

Solution Vision

- Turns SCA's Route 66 archives into an **interactive, GPS-based app**.
- Shows photos, stories, and history based on where the user is.
- Built with **Mapbox** and **Kotlin** in **Android Studio** for maps, offline use and navigation.
- Makes Route 66 a "**living museum**" travelers can explore on the road.

Design Concept



Key Features

- The app will use **geofencing** to suggest nearby historical sites based on the user's location.
- **Display different types of materials**, like oral stories and pictures with a description and the option for an audio version.
- Includes **stationary** and **on-the-go** modes for viewing content while traveling or standing still.

Challenges

- Designing the application for full **iOS** device compatibility
- Implementing **offline access** so users can view content even if connection is lost.
- Ensuring **accurate geofencing** for reliable location-based features

Technologies



Future Work

- **Full geofencing** covering for all Route 66 landmarks with location-triggered media.
- **Deeper CONTENTdm integration** to pull full archival datasets and support offline caching.
- **Full iOS compatibility** for complete cross-platform support.