

## WallCap/SOCH (Save Our Cultural Heritage)

The main goal of WallCap iOS app is to create a community based system where users can sign up and add information and images of nearby cultural heritages. User can select a location on a map, and add basic information like structure type, status, place name, images etc.

It is suggested for user to add images in such a way that it encompasses a 360 degree view of the cultural heritage. Once the user uploads the image from mobile app, the photos are converted to a 3-D model by our backend services using Python. Users also can view the rendered 3-D model of the cultural heritage. This 3-D model is viewable in a mobile web view.

Other highlighting features of the app are as follows:

- View the location of cultural heritages in map
- View album/photo uploaded by other users
- View and edit own user's album
- Like and report images uploaded by other users
- Search for a cultural heritage/album
- Change password and logout.

In terms of technical details, the following have been integrated in the iOS app:

- Minimum iOS Version: iOS 13.0
- Swift version: Swift 5.3.2
- MVC (Model View Controller) architecture
- Moya for network/api calls
- Kingfisher for image caching
- User defaults for saving user specific data

- **AppStore URL:** <https://apps.apple.com/ph/app/wallcap/id1559164213>