



Survey Sampler: Simplifying Data Collection

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Introduction

- Environmental Science Research generates a lot of data
- Field Research is time consuming
- Information must be gathered about the environment
- All that information needs to be recorded
- Existing software solutions are expensive
- Existing non-software (notebook) solutions are inefficient
- This app will solve this issue through the use of a mobile application to create, store, and export custom survey data

Application Features

- Store surveys for re-occurring data collection
- Allow users to create custom surveys
- Allow for the export of data in usable formats
- Be easy to use (no complex training)
- Low (zero) cost, so no barrier to entry
- Adhere to good design principles

Software Components

Deployment Environment:

- iOS 13+
- Written in Swift 5.2

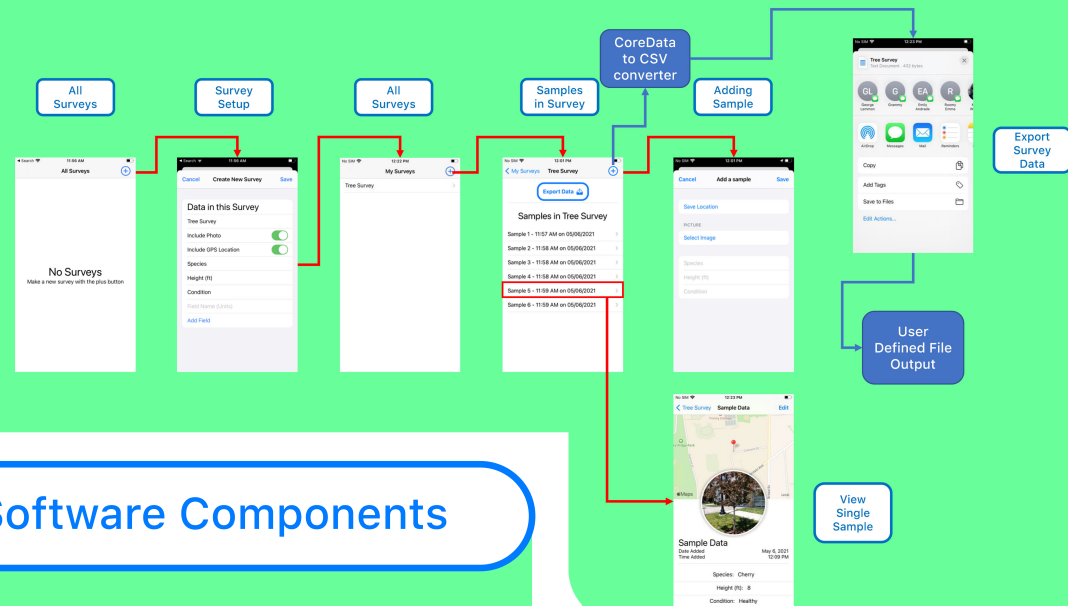
Important Software Components:

- SwiftUI (frontend framework)
- UIKit (frontend framework)
- CHCSV (csv read/write library)

Hardware Components:

- iPhone 6 or newer (as of 2021)
- Any iOS device running iOS 13+

User Interface and Data Flow



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