



# Maintenance Document

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*Save The Hoodie*

*Support conservation of Hooded Plovers in Victoria*

Faunalytics | Handover Package | 29-Oct-2020

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## 1 Introduction

This document aims to help developer understand the structure and the requirements that needed to modify or further add value in 'Save The Hoodie'. Furthermore, this document will provide other resources that needed for testing, setting up, and reference links to ensure data is up to date.

## 2 System Architecture

This system diagram helps developer to understand the flow of API/ data usage. Along with the resources, artefacts in Support document and later sessions, developers can identify the issues better.

## 3 Equipment Environment

- Android Phone

Run the apk on phone, make sure the operation system version is 10 or above.

## 4 Hardware and Software Requirements

- Laptop

Using any laptop that can run android studio with Java 1.8 and JDK version 11 or above.

- Android device

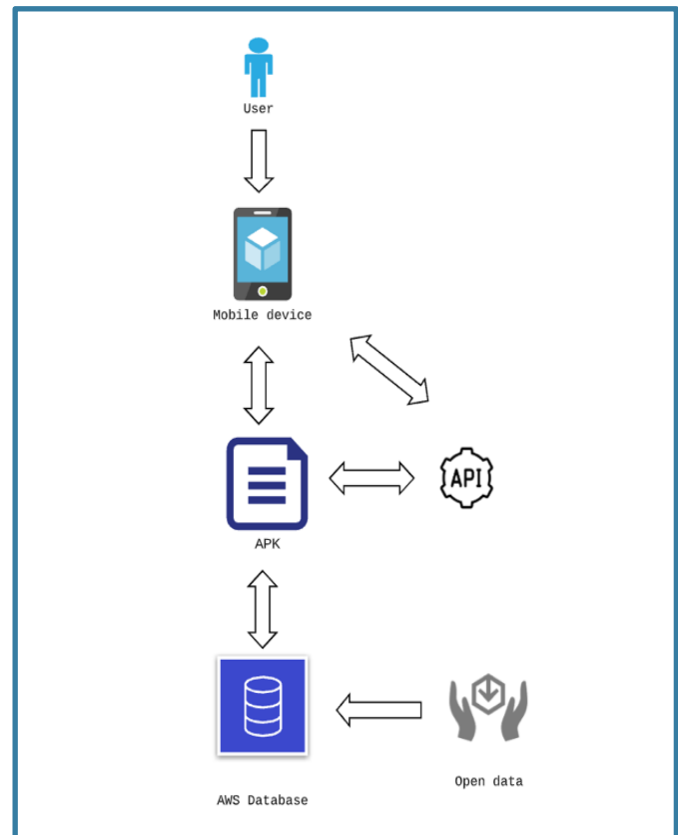
Run the apk on phone, make sure the operation system version is 10 or above.

- Android Studio

Download the newest Android studio, or use Android Studio above v4.0.1 to open this project.

## 5 Testing information

Test on app should be performed by developer and QA, and potential users. To test on functionality, performance, compatibility and UI friendly



- Emulator

With emulator, we suggest you use Pixel 2 XL API 29 to get the best layout overview. But you are welcome to use other emulators as long as API version is 29 or above.

Type	What	Who	How	Frequency
Action in App	Test new features that been added on app	Developer	Run it both on emulator and real Android phone	Every time a new function has been added
Compatibility	Test how layout and function work in different system	QA	Run it in different devices	Every time layout changes
UI friendly	Test if the design is suitable for target audience	Potential users	Test it on their own device	Every time a new design comes out

## 6 Development Artefacts

### 6.1. **APK link**

The newest apk 'SaveTheHoodie.apk' is generated under this folder.

<https://github.com/lisihan123/MONASH-IE-MP13/tree/master/release>

### 6.2. **Code**

- Git hub repository

This project is been collaborated using GitHub that is contributed by every member in Faunalytics.

<https://github.com/lisihan123/MONASH-IE-MP13>

- Zip file

We also backup it in a zip file as attachment 'Maintainance\_attachment.zip' of this document. The structure is same as git hub. With open 'SaveTheBird2' folder through Android Studio, you can modify the code directly.

### 6.3. **Sources**

Some statistic figures such as Hooded Plovers' total count is been found on Birdlife and eBird.

<https://ebird.org/species/hooplo2>

<https://birddata.birdlife.org.au/>

## 6.4. File content

In Android application, ‘.java’ files in charge of every actions, effect, listeners and other dynamic behaviors while ‘.xml’ files contain the layout of every page.

Here is the table of how each layout in app corresponds to files.

Features in app	File name	Structure
Project main rame	MainActivity.java activity_main.xml	-
Loading page	LoadingActivity.java activity_loading_activity.xml	App loading page
Home page	fragment_home.xml	Home fragment
Hoodies’ habitat page	MapsFragment.java assets/index.html	Map fragment
More info page	MoreInfoFragment.java fragment_notifications.xml	More info fragment
Find out about threats to Hoodies	ListFragment.java fact_list.xml	Home page - threats
Create poster to tell people hoodies’ location	WhiteBoardFragment.java whiteboard.xml	Home page - whiteboard
Understand the life cycle of Hoodies	OverviewFragment.java fragment_overview.xml	Home page – life cycle
Join communities dedicated to protecting hoodies	CommunityFragment.java community_list.xml	Home page – community
Threats To Hoodies - Hooded Plovers are Endangered	FactNumberFragment.java fact_status.xml	Home page – threats – fact number
Threats To Hoodies – Threats from Dogs and Horses	FactDogFragment.java fact_dog.xml	Home page – threats – fact kid



Threats To Hoodies – Threats from Kids and Pedestrians	FactKidFragment.java fact_kids.xml	Home page – threats – fact kids
Anna’s Honours Field work ... - Content	CommunityFragment.java Recycler_item_0.xml	Home page – community – 1 <sup>st</sup> community content
Friends of the Hooded Plover ... - Content	CommunityFragment.java Recycler_item_1.xml	Home page – community – 2 <sup>nd</sup> community content
Hooded Plover - Content	CommunityFragment.java Recycler_item_2.xml	Home page – community – 3 <sup>rd</sup> community content
Hooded Plover Volunteers - Content	CommunityFragment.java Recycler_item_3.xml	Home page – community – 4 <sup>th</sup> community content
Friends of the Hooded Plover - Content	CommunityFragment.java Recycler_item_4.xml	Home page – community – 5 <sup>th</sup> community content
Cards explains every stage of life cycle	LifeCycleFragment.java life_cycle.xml	Home page – life cycle – Cycle stage cards
Connect with Organizations	ExploreFragment.java Support_explore.xml	More info fragment – Connect with organizations