# Report

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Programme: Games Software Development

## Design:

When implementing it goes through with a Boolean value and once it has been set to true, once the app is killed or even paused it remember the boolean value and will not go through and delete and then add in the 10 default sites. It does this using Shared Preferences to save it and because it's the only value is only pulling one back and remembers it to not reload the data and duplicating.

Used Fixer.io and OpenWeatherMap.org. Fixer.io is called when the ListActivity is first run and holds the data while using.

OpenWeatherMap uses the database and grabs the locations within the database and puts it in a spinner. This means that only those that are in the database are able to be searched for the weather. Means that there should be less able to break the app unless the person had an error when adding in new locations in the List Activity and then putting in data into the spinner that could break the app if then searched.

# Evaluation (Core Requirement):

1. Home Screen: F

2. Data Structure and preloaded data: F

3. Places to visit. Master View: P
    3.1. F
    3.2. F
    3.3. F
    3.4. F – Geolocation is shown, however is mentioned as mandatory in 3.2?
    3.5. P – All and favourite works as it should, favourite sorts by rank, planned works if the default planned is change in detail view and visited does show just visited.
    3.6. F
    3.7. P Planned and Visited work in a limited way, Visited still shows the rest as they have something in the object
    3.8. F
    3.9 P – Can Edit the notes, planned and visited fields of preloaded, otherwise it cannot be changed as it seems to be an option in the Detail View.
    3.10. F

4. Places to visit. Detail View: P
    4.1. F
    4.2. P – Can select put in a date of a planned and if what date it was visited but not select/deselect them.
    4.3.1 F
    4.3.2 P – No Time
    4.3.3 P – No Time, no default date put in if a date has not been added.
    4.3.4 P – Fields are shown only in detail view, is not shown in list due 3.2.
    4.3.5. P – Fields are shown only in detail view, is not shown in list due 3.2.
    4.3.6. F

5. Currency converter and budget planner: P
    5.1. F
    5.2. F
    5.3. F
    5.4. F
    5.5. P – cannot request it at will, automatically requests it onCreate of activity.
    5.6. P – Is shown in detail view the local currency (GBP) and the favourite currency and the exchange rate. Is not shown in favourite/planned/visited as 3.2. mentions to show only them mandatory fields.
    5.7. F

6. Technical Requirements: F

## Evaluation (Desirable Requirement):

Weather API:

Spinner grabs the location names from the database, if there's a duplicate will only show one in the spinner.

When the Button is clicked grabs a string from the selected spinner and then goes through making a connection pulling data and the putting it in the relevant text views to show the day's weather.

By default, as the loaded data is London, will make an initial call to bring by London weather however afterwards it is dependent on what is shown in the spinner to then make a call.

API Key specifically for the app is ready to be used. This api was used as to get the current weather doesn't cost any money, however is limited to several hundred requests before deciding that it can no longer be used. For a small App is acceptable, although if this app was larger would need the to pay a package and could also make available the other requests that could be made such as the 16 day.

## Test Strategy:

Manual Testing – Adding, empty fields cannot be added and stops. If name and location is empty stops, if the others are empty is available to continue which is a requirement and default values are put in.

Monkey:

Test 1 – Did not Crash (from main activity)

Test 2 – Did not Crash (from main activity)

Test 3 – Did not Crash (from main activity)

Test 4 – Did not Crash (from Add Dialogue)

Test 5 – Did not Crash (from main activity)

Each test would end up in the list view trying to update when clicking and bringing up the detail view but failing each time. No new sites were able to be added.