

CCT College Dublin

Assessment Cover Page

Module Title:	Mobile Development
Assessment Title:	App Building with MIT App Inventor
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Date of Submission:	29/05/2023

Declaration

By submitting this assessment, I confirm that I have read the CCT policy on Academic Misconduct and understand the implications of submitting work that is not my own or does not appropriately reference material taken from a third party or other source. I declare it to be my own work and that all material from third parties has been appropriately referenced. I further confirm that this work has not previously been submitted for assessment by myself or someone else in CCT College Dublin or any other higher education institution.

Tour & Travel App.

Introduction

I create an application in APP Inventor, which allow the user to take note of the locations they like to visit, a "To do List" but for travel.

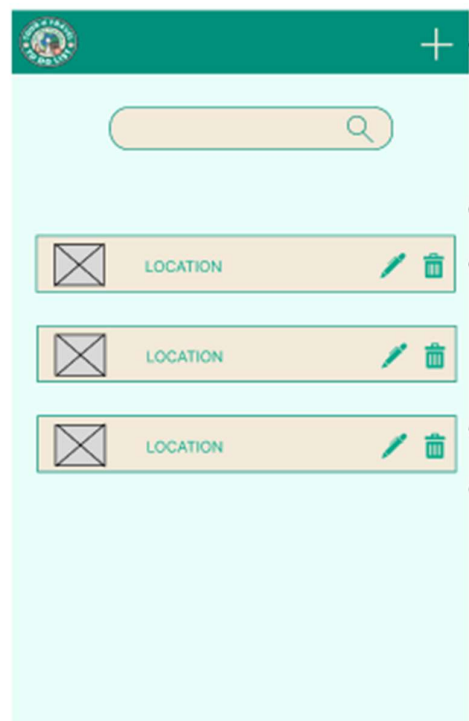
Design

To begin, I chose a palette of colours helped by <https://mycolor.space/> and I based them on green because for me it is the colour of the adventure.

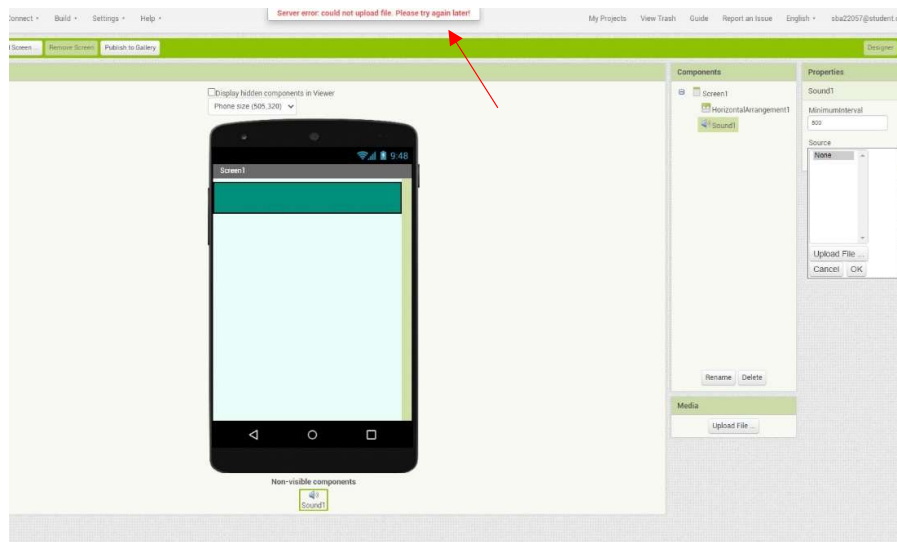
Natural Palette



I made the wireframes using Figma:



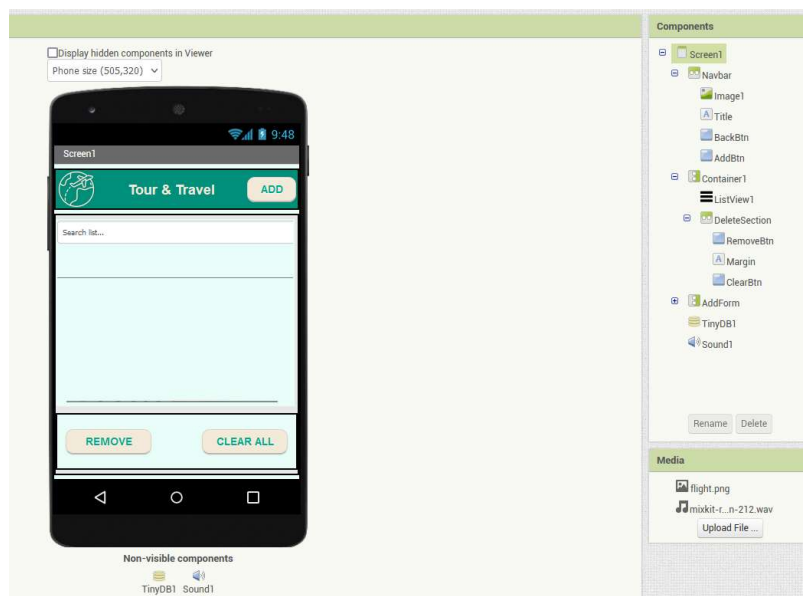
I changed a bit the design because I was not able to manage the elements of the List View of App Inventor, so I moved the button to remove the elements on the bottom and I tried to implement an update section storing the values in a dictionary but was not able to finish in time, also because the problems got with App Inventor which during the weekend give me always server error when I tried to upload images, sounds or build the apk.



Screen 1

Screen 1 consists of a navbar and 2 containers:

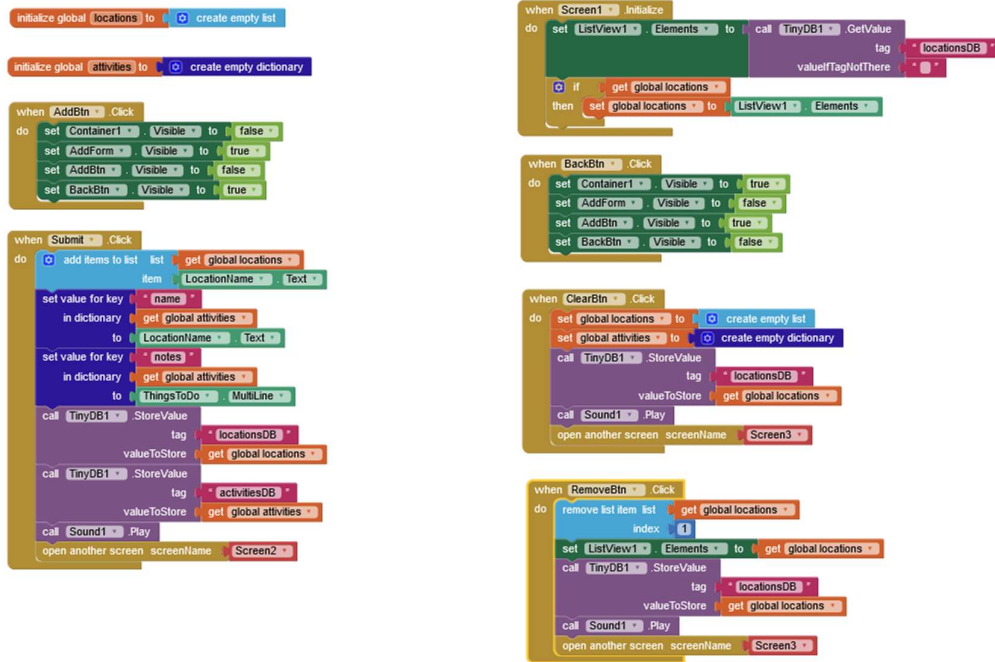
- The navbar contains a logo (able to add it this morning 29/05), the name of the app in the centre and a button to add a location to the list, which changes in a “back” button when clicked and vice versa.
- First container has a list view element with the search bar and two buttons to remove the first element of the list or clear all.
- The second container is a form which appears when the “add” button is clicked.



Below are the blocks used to create the app on screen 1.

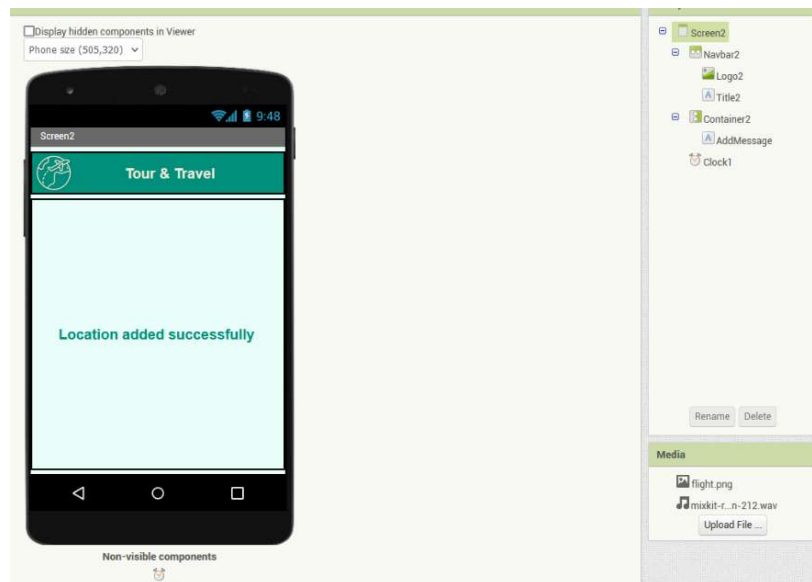
I choose to make the form visible just when the add button is blocked because the variable that I need to populate the list view doesn't work on another screen.

I added a sound from <https://mixkit.co/free-sound-effects/> to notify that the operations like submit, remove, and clear is done and then the user is redirected to another screen.

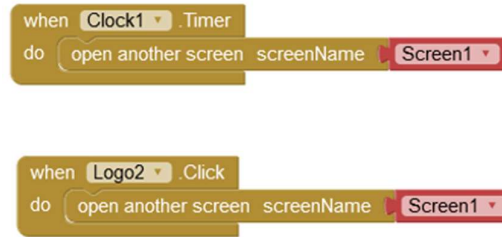


Screens 2 and 3

Screens 2 and 3 are both shown a success message to the user when a form is submitted and after 5 seconds, the user will redirect to the home page. I added those screens because when a user updates the list, the list view is not uploaded and with the redirect will initialize again the screen 1 to allow the variable to be recorder properly in the list view.



Here are the blocks:



Database

To store the variables in the app I used TinyDB, which is integrated in the app inventor UI.

GitHub

I created a new private repository <https://github.com/maxthor500/Tour-TravelAPP> to upload the apk.