

# CCT College Dublin

## Assessment Cover Page

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<b>Module Title:</b>	Mobile Development
<b>Assessment Title:</b>	App Building with MIT App Inventor
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<b>Assessment Due Date:</b>	Sunday, 28th May at 23:59
<b>Date of Submission:</b>	Sunday, 28th May

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### 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.

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# Mobile Development

## **App Building with MIT**

## **App Inventor**

## **“Craic’n Cart”**

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Inês Amaral Brito,  
28th of May 2023



## App Overview

This short overview serves to cover the process of creating the “Craic’n Cart” app, a shopping list that allows users to add needed items, save lists and share them via email.

After perfecting the wireframes for each screen, the color theme for the app was decided based on the Irish flag to go along with the name of the app.

Firstly, all the needed elements for the app were uploaded. This included the sounds and images that would later be placed on specific screens. Since the first screen is only meant to be seen while the app is loading, a clock component was added and later programmed in the block section to direct the user to another screen. The remaining screens were all designed with elements that share the same visual characteristics to form a cohesive design throughout the app.

The main functionality of the app is provided by a listview component where items can be added via the “add item” button and removed by either pressing on the item or clicking the “clear items” button. Both buttons produce a sound when clicked to provide further feedback of these actions to the user.

Screen2 is the one with the greatest number of blocks where the functionality of the remaining buttons of the app is defined. The TinyDB component was also added to make sure that the elements added to the list wouldn’t be erased after closing the application. This way, the information is retained for the user’s next session. The values stored in the database are the current values of the list.

On Screen3 a notifier alert was added when the user clicks the “share list” button. The process of making the app open an email app proved to be rather difficult to reproduce since the activity starter kept showing runtime errors pertaining to this functionality. With more time, it would be beneficial to add this functionality to the application along with the function of saving a list and having it appear on the saved lists screen.

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