BelTech Edu 2024
Prototyping Tools
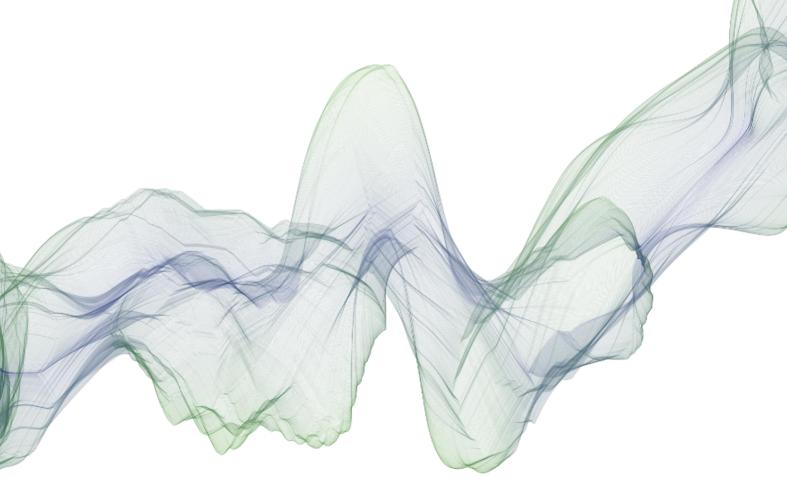
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1.   Introduction

For an app prototype entry, you have to produce a functional app prototype.

You are free to choose any language, program or toolset to produce the functional app prototype, if you have little or no experience in programming applications, I'd recommend using the MIT App Inventor program, or similar drag and drop style programming tool.

Otherwise, if you have some experience, you can choose to look into tools such as Android Studio or Xamarin in C#. These tools are more complex, however the choice is entirely yours.

2.   App Inventor

Link - https://appinventor.mit.edu/

MIT App inventor is a click and drag application tool that is very easy to understand and quick to get started. You are able to create some really compelling applications with great functionality using this tool. It will really allows those with and without experience to convey their application idea well!

Getting started – https://appinventor.mit.edu/explore/get-started

Tutorials - https://appinventor.mit.edu/explore/ai2/tutorials

3.   Android Studio

Android studio is an advanced IDE for producing Android applications in Java.

It is a complex tool that will require some experience to properly use. It is entirely your choice if you wish to look into using this, however I would still recommend MIT App Inventor.

Download - https://developer.android.com/studio

Tutorials - https://developer.android.com/training/basics/firstapp

4.   Xamarin (C#)

Xamarin (C#) is a cross-platform app development platform that allows you to create apps that can run on Android, iOS and Windows phones. Again, it is very advanced and I would recommend using MIT App inventor, however, it is entirely your choice.

Get started - https://dotnet.microsoft.com/apps/xamarin

Tutorials - https://dotnet.microsoft.com/learn/xamarin/hello-world-tutorial/intro

https://dotnet.microsoft.com/learn/xamari

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