**ImplicitIntents**

Design Document

Abigail Noyes

**Introduction:**

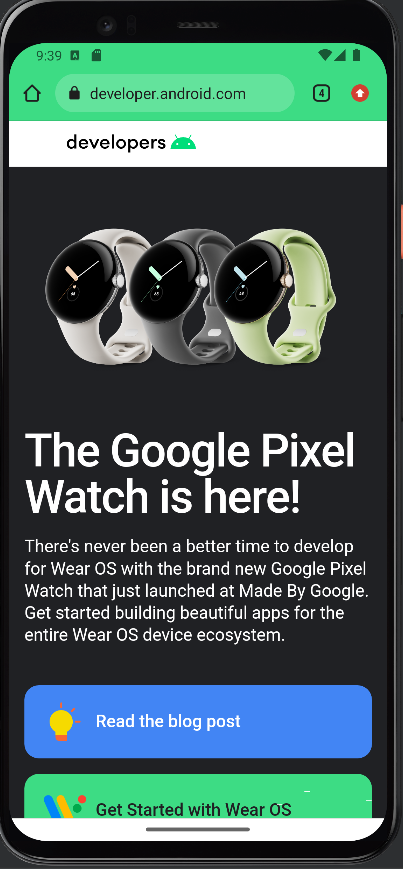
ImplicitIntents introduces new android users to the basic functionality of using multiple phone applications all in one! A user can:

* Seach for any website
* Look up directions for any location.
* Send a text message to any contacts.
* Open the camera app instantly and take a picture.

This application will eliminate the confusion that comes with basic phone usage.

**Screen Mockup**

**Graphical user interface, application, Teams

Description automatically generated**

**Graphical user interface, application

Description automatically generatedGraphical user interface, text, application

Description automatically generatedA picture containing text, indoor

Description automatically generated**

**Add The “Take a Photo” button**

1. **Add to Layout**
   1. Add a new button on bottom of screen that will access the camera

Graphical user interface, application, Teams

Description automatically generated

* 1. **Add String Resources**
  2. **Add a set of UI elements to the layout for the Launch Camera button**

|  |  |
| --- | --- |
| **Button Attribute** | **Value** |
| android:id | “@+id/launch\_camera\_button” |
| android:layout\_width | “match\_parent” |
| android:layout\_height | “wrap\_content” |
| android:text | “@string/button\_camera” |
| android:layout\_marginBottom | “24dp” |
| android:onClick | “openCamera” |

**2.1 Define openCamera()**

1. Create Skelton method in the MainActivity file
2. Create new intent:

Intent intent = new Intent("android.media.action.IMAGE\_CAPTURE");

1. Resolve intent

if(intent.resolveActivity(getPackageManager())!=null){  
 startActivity(intent);  
  
}else{  
 Log.*d*("ImplicitIntents", "Can't handle this intent!");  
}

1. Add intent permissions to manifest

<intent>  
 <action android:name="android.media.action.IMAGE\_CAPTURE" />  
</intent>