

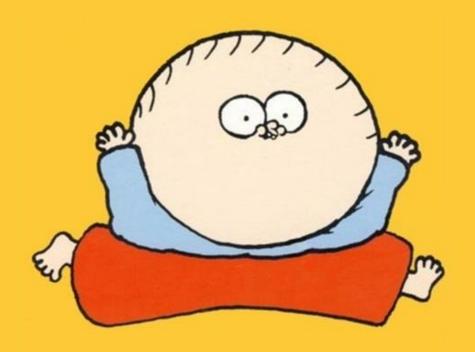
Hi

# @semihyagcioglu

#### Wearable Devices



#### Enee... Saat!



### Past Smartwatch



# Future Smartwatch



# Looks Familiar?





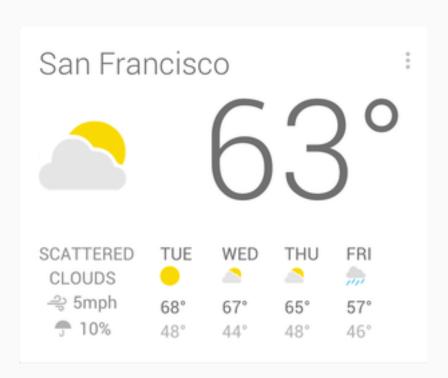


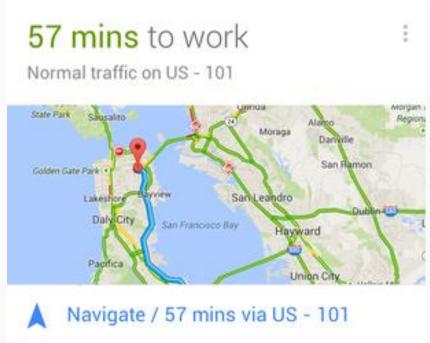
### Distracted?

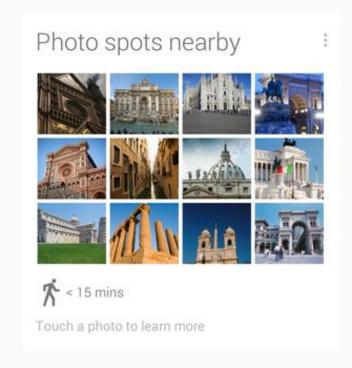




# Google Now



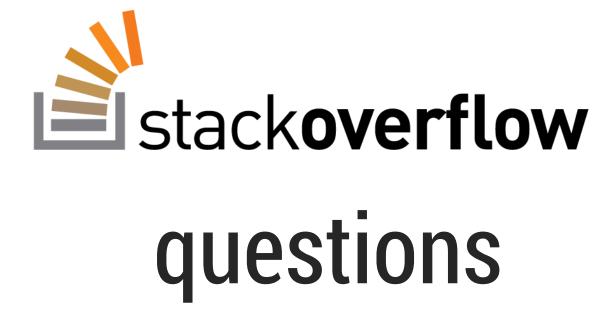








# 500+



# 400+ GitHub repositories

# 10,004



# < 200

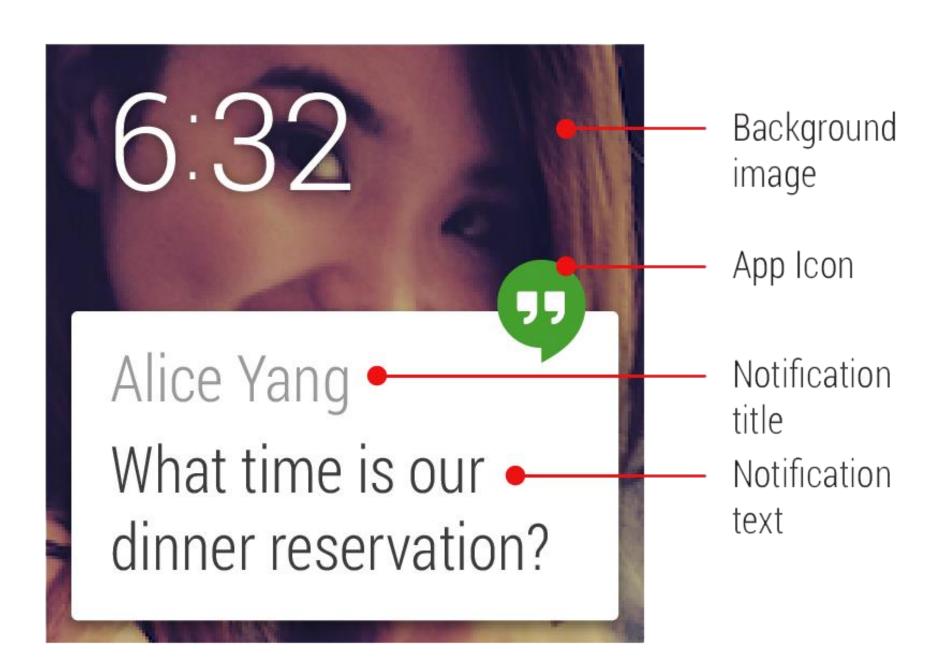


apps



### Basics

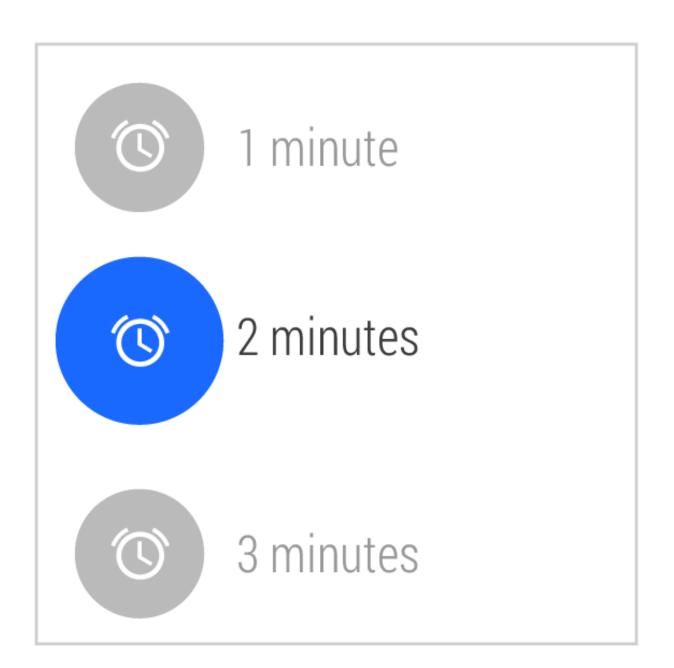




UI



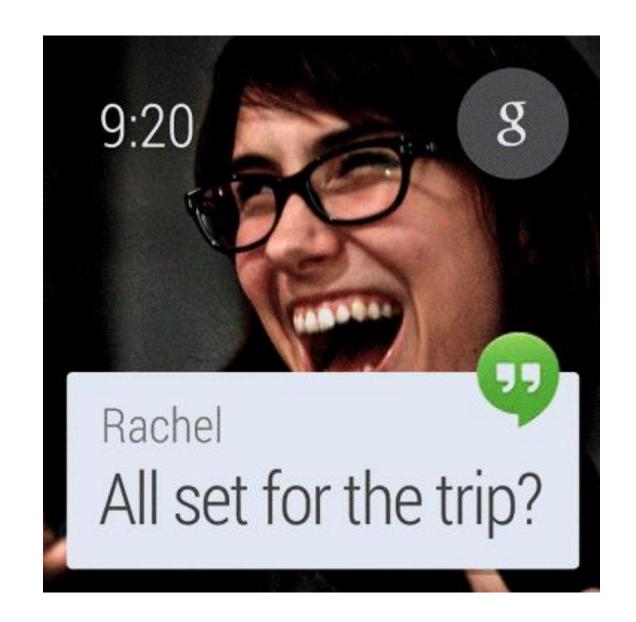




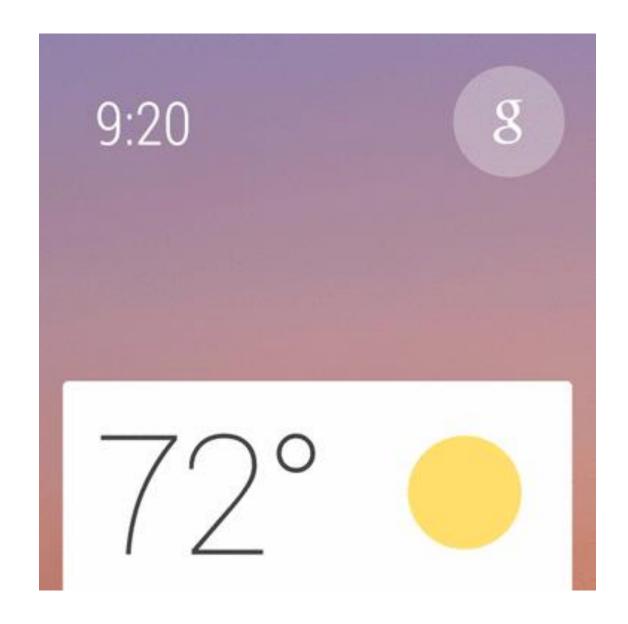
# Go Big

# seconds per interaction

### Suggest



#### Demand





#### What You Can't Do

import webkit import print import app.backup import appwidget import hardware.usb

#### What You Can Do



# What You Can Actually Do

Pretty Much Everything in Android
+

import support.wearable.\*

#### **Get Started**

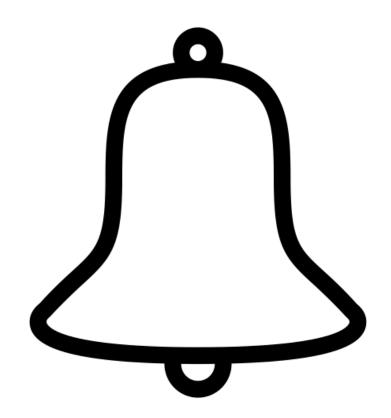




### **Android Studio**



#### Notifications





MARIO 004250 0×05

WORLD 1-1 IME 283



# **Extended Notifications**







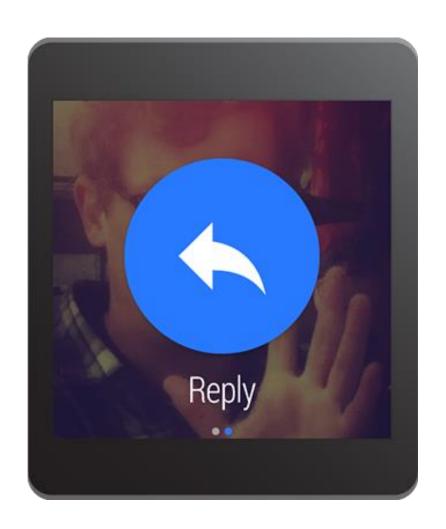


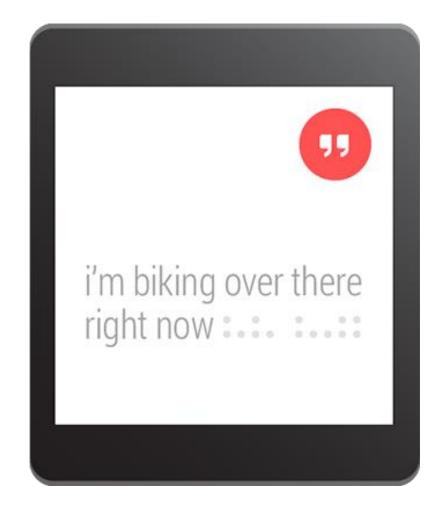
100





### Actions





### Actions - Code I

```
Intent actionIntent = new Intent(this, ActionActivity.class);
PendingIntent actionPendingIntent =
    PendingIntent.getActivity(this, 0, actionIntent,
         PendingIntent.FLAG_UPDATE_CURRENT);
// Create the action
NotificationCompat.Action action =
    new NotificationCompat.Action.Builder(R.drawable.ic_action,
         getString(R.string.label), actionPendingIntent)
         .build();
```

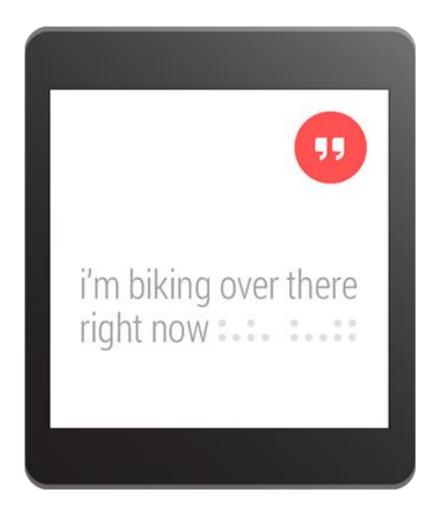
// Create an intent for the reply action

### Actions - Code II

```
// Build the notification and add the action via WearableExtender
Notification notification = new NotificationCompat.Builder(mContext)
.setSmallIcon(R.drawable.ic_message)
.setContentTitle(getString(R.string.title))
.setContentText(getString(R.string.content))
.extend(new WearableExtender().addAction(action)
.build();
```

## Voice Input



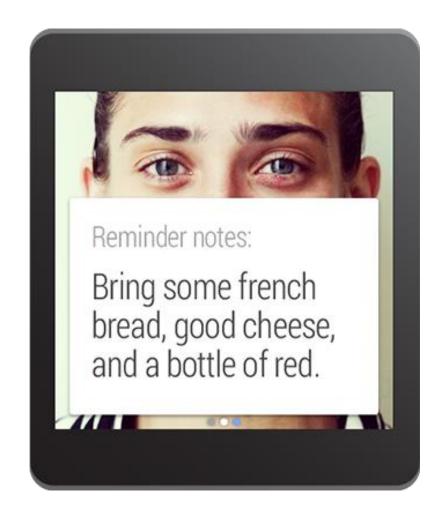


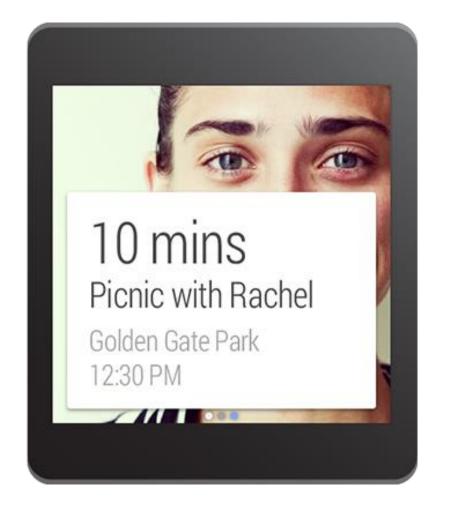
## Voice Input - Code I

/\* Obtain the intent that started this activity by calling Activity.getIntent() and pass it into this method to get the associated voice input string.\*/

```
private CharSequence getMessageText(Intent intent) {
    Bundle remoteInput = RemoteInput.getResultsFromIntent(intent);
    if (remoteInput != null) {
        return remoteInput.getCharSequence(EXTRA_VOICE_REPLY);
    }
    return null;
}
```

## Pages





## Pages - Code I

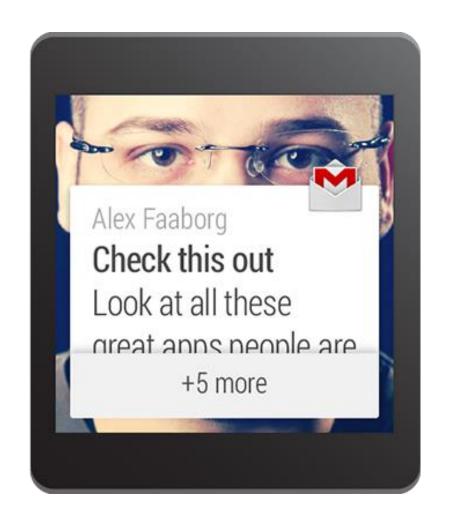
```
// Create builder for the main notification
NotificationCompat.Builder notificationBuilder =
    new NotificationCompat.Builder(this)
    .setSmallIcon(R.drawable.new_message)
    .setContentTitle("Page 1")
    .setContentText("Short message")
    .setContentIntent(viewPendingIntent);
```

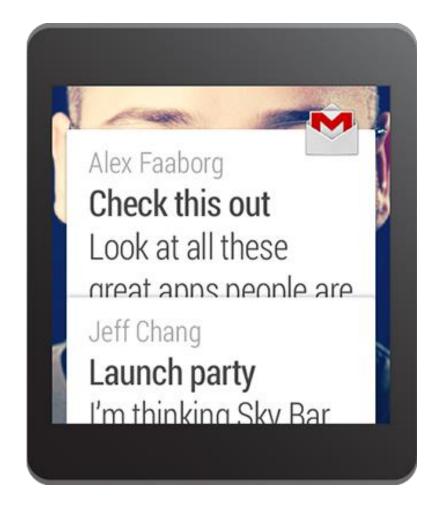
## Pages - Code II

## Pages - Code III

```
// Add second page with wearable extender and extend the main notification
Notification twoPageNotification = new WearableExtender()
         .addPage(secondPageNotification)
         .extend(notificationBuilder)
         .build();
// Issue the notification
notificationManager = NotificationManagerCompat.from(this);
notificationManager.notify(notificationId, twoPageNotification);
```

## Stacking





# Stacking - Code I

# Stacking - Code II

```
// Issue the notification
NotificationManagerCompat notificationManager =
    NotificationManagerCompat.from(this);
notificationManager.notify(notificationId1, notif);
Notification notif2 = new NotificationCompat.Builder(mContext)
     .setContentTitle("New mail from " + sender2)
     .setContentText(subject2)
     .setSmalllcon(R.drawable.new_mail)
     .setGroup(GROUP_KEY_EMAILS)
     .build();
notificationManager.notify(notificationId2, notif2);
```

# **Building Native Apps**

It's wide open territory



### Be a Phenomenon



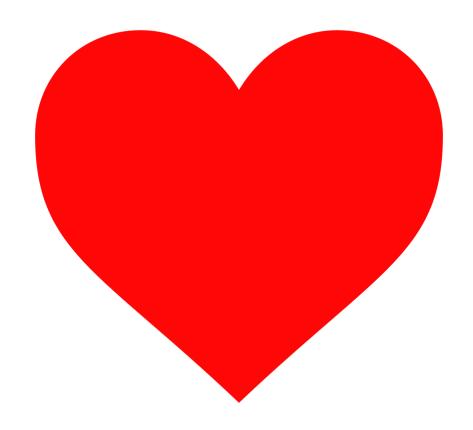
### Context Based Apps

# Things that trigger your apps

## GPS



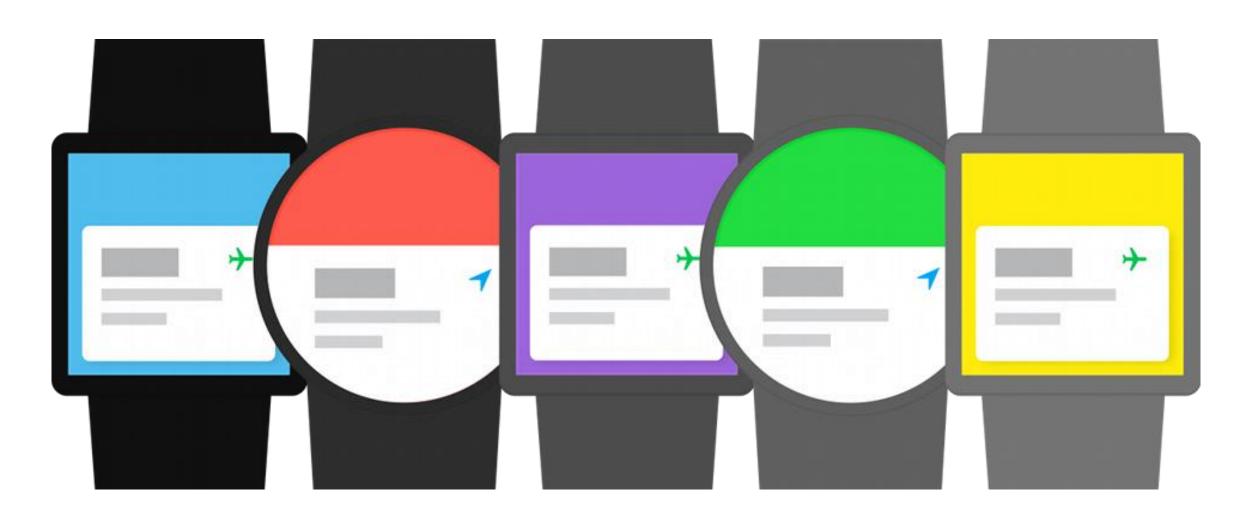
### **Heart Rate**







# **App Quality**





### What's Next

developer.android.com/wear

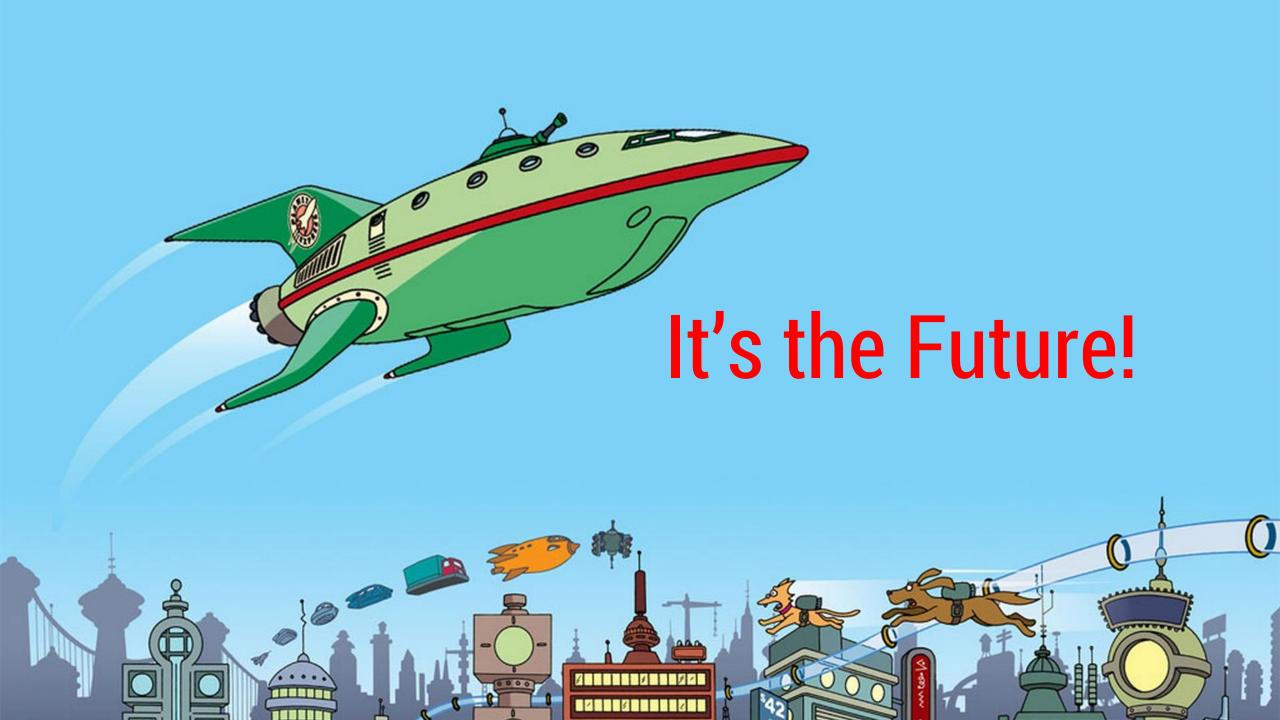
### Demo Time

Hello Round World!



## **Huge Potential**





#### Get in Touch!

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