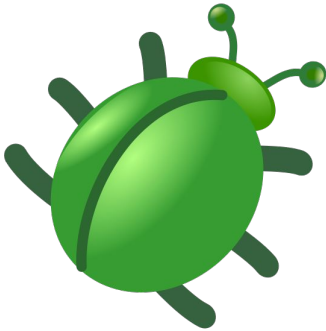# Debugging

A bug is a problem with your app.

It can be any kind of problem:

- blocks are don't work as you expect
- idea needs to be improved
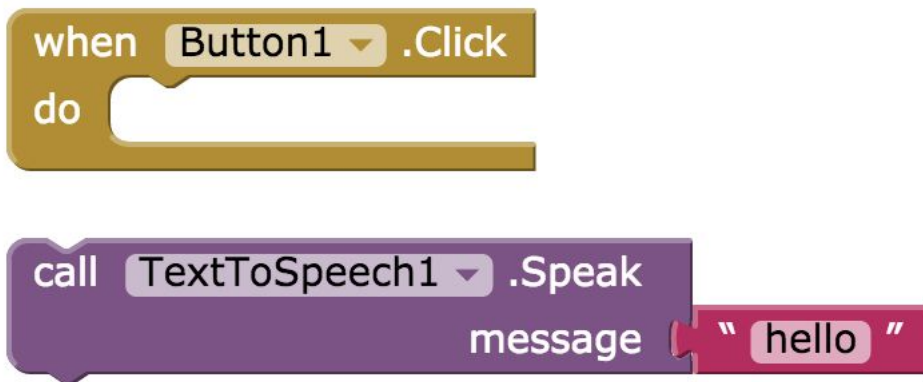- interface is confusing or misleading

- what else?

So, you've found a bug in an app.

First off: don't panic!

This is perfectly normal.

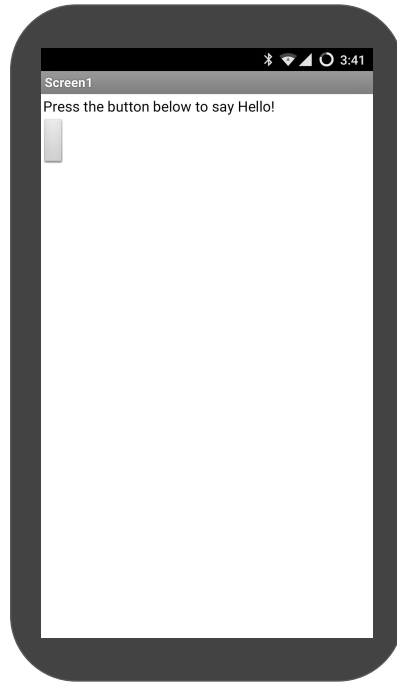Apps are written by humans, and humans make mistakes.

Find the Bug!

```
when  Button1 ▾ .Click
do
```

```
call  TextToSpeech1 ▾ .Speak
                    message  " hello "
```

Find the Bug!

```
when  Button1 ▾ .Click
do   call  TextToSpeech1 ▾ .Speak
                         message
```

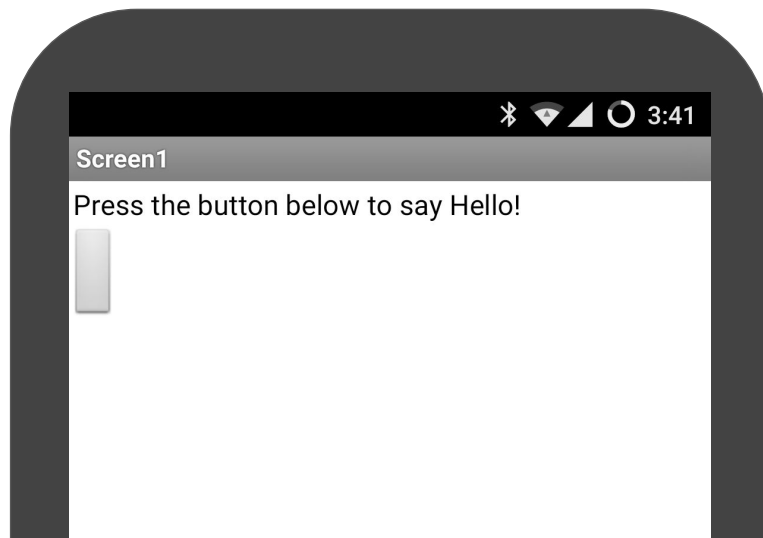# Find the Bug!

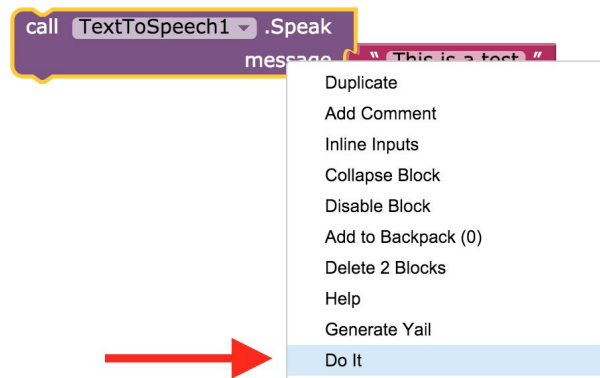# Find the Bug!

New Trick: Do It!

- Connect your tablet
- Right-Click on any block
- Click **Do It**
- That block runs instantly!

call TextToSpeech1 .Speak
message " This is a test "

Duplicate
Add Comment
Inline Inputs
Collapse Block
Disable Block
Add to Backpack (0)
Delete 2 Blocks
Help
Generate Yail
Do It

Your Project Today

There are THREE BUGS in a TalkToMe app:

- It doesn't say the right thing when shaken
- The SpeakButton doesn't say the text the user wrote
- The "What was said last" label doesn't work

Identify what's wrong, and fix them!