

# Java Bootcamp

## 111 Week 1: IFTTT

If This Then That - One of the key ideas of all programming is the idea of a decision. Every language you may ever learn will have some way of doing this kind of behavior. “If the number is less than 5, do this stuff. Otherwise do that different stuff.”

So let’s start with a fun way of thinking about the power of a simple “if....” statement. This tool, IFTTT, is available as a website and as a mobile app for your phone/tablet. NOTE: you do NOT need to upgrade to the Pro version. Everything we do will only use the free version of IFTTT.

IFTTT <https://ifttt.com/>

It couples the power of programming an IF statement with an incredible number of other software modules for example behaviors your phone can complete like detecting movement or receiving an email or sending a text. IFTTT works with a huge number of software vendors so there are also outside services that you can include into your “recipes” like an alert when the New York Times posts a story. They work

with a huge number of hardware and device manufacturers as well so you can have a recipe that controls LED lighting or a Roomba vacuum cleaner.

So let's explore IFTTT this week:

- What hardware devices do you have that are supported by IFTTT? Below is a starter list; explore IFTTT and see if there are any other devices you want to work with that are supported.
  - Phone?
  - Tablet?
  - Amazon Alexa?
  - Sonos speaker?
  - Internet lightbulb like LIFX?
  - iRobot vacuum cleaner?
- What software do you use that is supported by IFTTT? Here is a starter list of the software vendors IFTTT supports:
  - Dropbox
  - Discord
  - Twitter
  - Weather Underground
  - Spotify

- Android
- iOS
- You can begin with a nice introduction and explanation here:  
[https://ifttt.com/explore/welcome\\_to\\_ifttt](https://ifttt.com/explore/welcome_to_ifttt)

## **111 YOUR MISSION , SHOULD YOU DECIDE TO ACCEPT IT :**

**1 Use a “recipe” from IFTTT.** Tell us what you picked, how it worked for you, and how you would like to improve it.

**2 Create an IFTT recipe from scratch !**