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APPLICATION DEVELOPMENT

INTRODUCTION

class AppDev {



WHAT DOES APPLICATION DEVELOPMENT OFFER?

AppDev

4/19/2020

- Understand how computers & apps work
- Create electronics powered by Arduino
- Design & develop applications (software)
 - Apply design & specification methods



SOFTWARE: 'BRAIN' OF A SMART PRODUCT

- Integrates, connects
- Makes smart
- Applied? Embedded in (small) devices, online, widgets, userinterfaces
- Design, develop, test



STRUCTURE OF THIS COURSE

Check full schedule @ <u>vanslooten.com/appdev</u>



- Mostly on Fridays, with few exceptions (see schedule)
- Assessment: assignments
 - <u>Time needed per week</u>: 4 hours learn, 4 hours project, 2 hours self-study

LEARN CODING

- Programming languages
- C
- Java:

```
while ( bike.moves() && sensor.isDark() ) {
    light.on();
}
```

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INTRODUCTION TO JAVA

Head First: CH 1 Aan de slag met: HST 1+2





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CREATE AN APPLICATION



Use Eclipse



Work on assignments

2017 - Java - Assignment1/src/userinterface/MyFirstAppp.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

