

# **MEng Information & Network Security**

## **Semester 1 Week 5**

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**Project Supervisor: Sean McGrath**

**03/10/17- 09/10/17**

### **1 Log Entries**

#### **1.1.0 Entry 07/10/17:**

Today I met with my supervisor Sean McGrath for the first time. In this meeting we were able to clarify the scope and application of the thesis. Sean suggested that I use the technologies that I presented for my original homebrew to develop a backend for handling the load balancing factors of processing sensor data from a campus wide mobile application.

Sean advised me to look into the scope of what this would entail as well as provide reasons for justifying IBM's Bluemix service over other competitor cloud services such as Amazon or Microsoft Azure.

## **2 Tasks completed:**

Create Toggl Project Labels

Create Project folders

Create Log template

Arrange meeting with supervisor

Backup files for installation of Ubuntu

Initial Research

Research Bluemix

Meet with supervisor

Reflect and organize

Download Ubuntu ISO

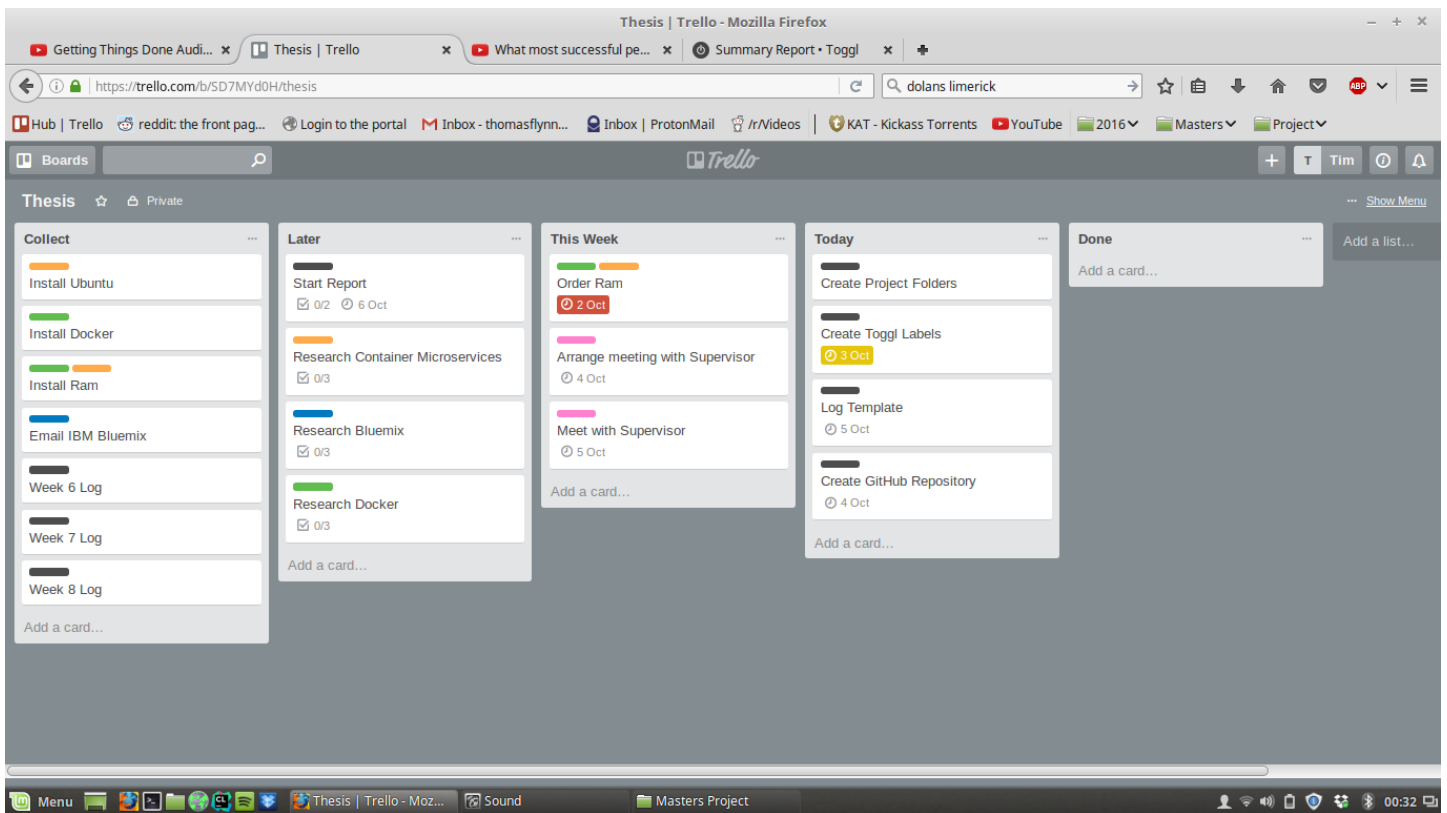
Install Ubuntu

## **3 GIT Repositories:**

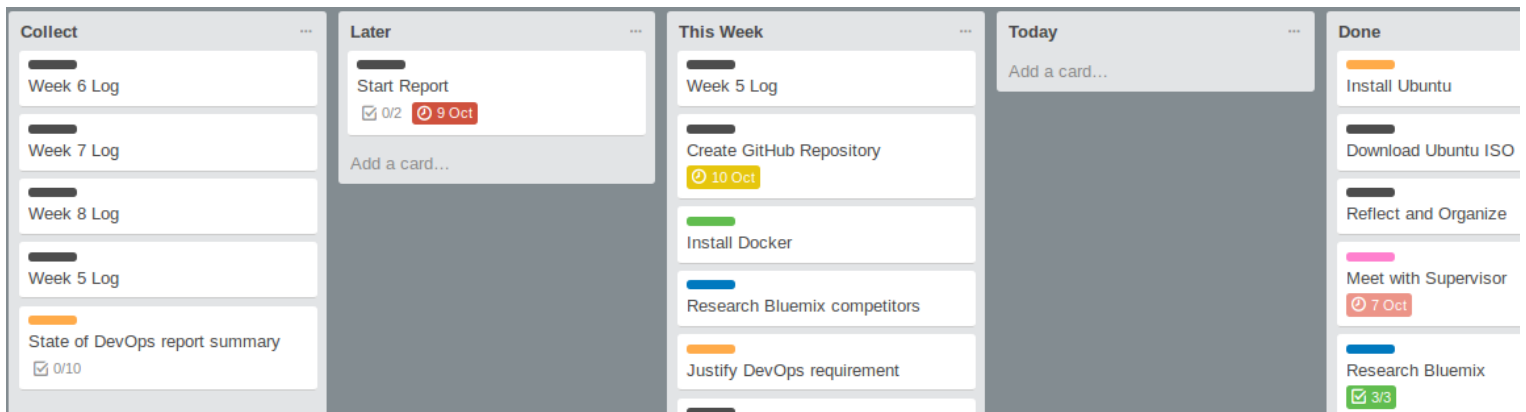
Not setup yet

## 4 Trello boards

### 4.1 Board at the start of the week:

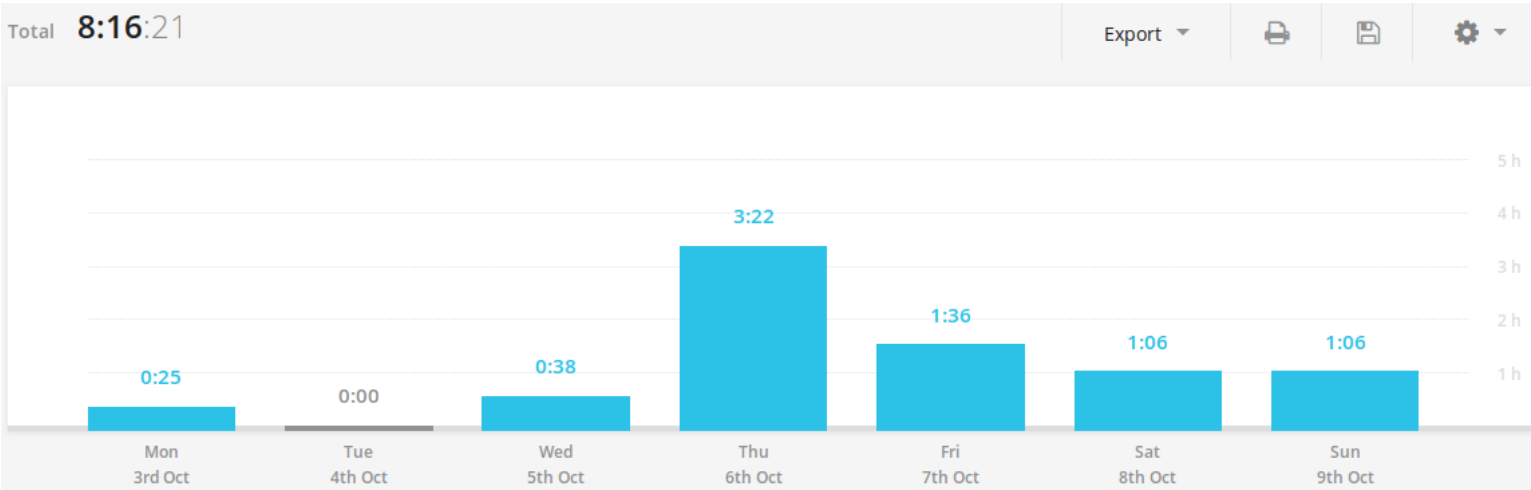


### 4.2 Board at the end of the week:



# 5 Toggl Time Logs

## 5.1 Weekly time Log bar chart:



## 5.2 Weekly Donut Chart



### 5.3 Weekly Time Log:

Yesterday 1 h 06 min			
Installing Ubuntu programs	GENERAL	1:06:00	6:26 PM – 7:32 PM
Sat, 8 Oct 1 h 06 min			
Installing Ubuntu	GENERAL	0:48:02	7:25 PM – 8:13 PM
burning windows recovery ISO	GENERAL	0:18:32	3:51 PM – 4:09 PM
Fri, 7 Oct 1 h 36 min			
download Ubuntu ISO	GENERAL	0:26:49	1:50 PM – 2:16 PM
Reflect and Organize Trello Boards	GENERAL	0:31:41	12:05 PM – 12:36 PM
1st meeting	SUPERVISOR	0:38:22	10:13 AM – 10:51 AM
Thu, 6 Oct 3 h 22 min			
Video: Microservices with Docker, Netflix OSS and IBM Bluemix	DOCKER	0:52:18	8:02 PM – 8:54 PM
Video: Deploying Docker Containers to IBM Bluemix, A to Z	BLUEMIX	1:08:09	6:39 PM – 7:47 PM
Initial Bluemix research	BLUEMIX	1:22:27	3:20 PM – 4:43 PM
Wed, 5 Oct 0 h 38 min			
backing up files for Ubuntu Installation	GENERAL	0:38:06	7:34 PM – 8:12 PM
Mon, 3 Oct 0 h 25 min			
Log book template	GENERAL	0:14:02	12:29 PM – 12:43 PM
Toggl timers	GENERAL	0:11:53	12:11 AM – 12:22 AM

## 6 Pictures

### 6.1 Meeting with supervisor

