

Assignment 1 Smart and Connected Devices Report (Shaun Holborow)

by Shaun Holborow

FILE	5659_SHAUN_HOLBOROW_ASSIGNMENT_1_SMART_AND_CONNECTED_DEVICES_REPORT__SHAUN_HOLBOROW__236131_1392782663.DOCX (92.94K)		
TIME SUBMITTED	05-MAR-2020 08:13PM (UTC+0000)	WORD COUNT	61
SUBMISSION ID	121330876	CHARACTER COUNT	375



Prifysgol Cymru
Y Drindod Dewi Sant
University of Wales
Trinity Saint David

Smart and Connected Devices I (Gaynor) (ACDA5005)

Visualisation of IoT Data

Shaun Holborow (1704229)

Course: Computer Networks and Cyber Security

Faculty name: SOAC

Date of Submission: 28th Feb 2020

Contents

Introduction:	3
References	4

Introduction:

After the website interface for monitoring IoT devices was created, this report was created to provide further detail into the technicalities of the implementation with things like the search engines, graphs and graph libraries utilised, and why they were used along with illustration provided via screenshots and annotated code.

Search Engines:

Graphs:

Graphs Libraries:

References:

Assignment 1 Smart and Connected Devices Report (Shaun Holborow)

GRADEMARK REPORT

FINAL GRADE

30/100

GENERAL COMMENTS

Instructor

Data management - Only one table is shown here (rainfalldata) and all the fields are set to the default length (11). You need to choose suitable lengths for your fields that are suited to the data to be stored. You do not have a table to hold the login data for users. The data has been transferred, but this requires a manual change of the filename from the user to switch between sensors. This would be better with all sensors transferred on one page. You could achieve this by writing a loop or even simply copying and pasting the code 3 times.

5/10

Range of HTML/PHP coding demonstrated - There is no login section. There was some attempts at searching, but it is not fully working. You have managed to show all the data unfiltered. There is no average/min/max shown

8/25

Visualisation of data using graphs - Quite limited. You have shown all data for all sensors, but this is not a very good graph because you can't tell which sensor is which. You need to filter into Sensor 1, Sensor 2 etc. Also it would be helpful to show the data of the measurement on the axes 5/15

Overall integration of website - Quite a basic layout, no links between pages

4/10

Knowledge and understanding overall - You have grasped some of the material, but there seems to be some substantial gaps.

8/20

Report - I'm confused- there's hardly anything in your report - in fact only an introduction. You could have written about the completed parts of your assignment eg data transfer and displaying data - also what went wrong and what features you would like to include in the future. It's a shame because it might have got this assignment over the 40% line.

0/20

Overall - 30%

PAGE 1

PAGE 2

PAGE 3

PAGE 4
