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CSE321 Project 3 Index

Keyword /Concept /Assignment /Segment	Definition	Purpose	Link	Page(s ) to reference	Explanation of how this is relevant to the project
DHT11 Manual	The manual outlining all specifications of the DHT11 Temperature and Humidity sensor	Contains the data needed for all aspects of the DHT11 Sensor	<a href="https://components101.com/sites/default/files/component_datasheet/DHT11-Temperature-Sensor.pdf">https://components101.com/sites/default/files/component_datasheet/DHT11-Temperature-Sensor.pdf</a>	All pages	This sensor will be used to take the data
Buzzer Alarm Manual	Manual used to outline specifications of the buzzer alarm	Contains all data needed to implement the use of the buzzer alarm	<a href="https://www.openimpulse.com/blog/wp-content/uploads/wp-content/uploads/Active-Buzzer-Module-Datasheet.pdf">https://www.openimpulse.com/blog/wp-content/uploads/wp-content/uploads/Active-Buzzer-Module-Datasheet.pdf</a>	All pages	Buzzer needed to sound as certain tasks happen
Nucleo - L55ZE-Q Manual	Manual Outlining all specifications of the Nucleo used in this project	Contains all data about the Nucleo microcontroller	<a href="https://www.st.com/resource/en/reference_manual/dm00310109-stm32l4-series-advanced-armbased-32bit-mcus-stmicroelectronics.pdf">https://www.st.com/resource/en/reference_manual/dm00310109-stm32l4-series-advanced-armbased-32bit-mcus-stmicroelectronics.pdf</a>	All pages	Used to control and run the program needed for the system
MODER Register Layout	Chart describing the layout of the MODER Registers in the Nucleo	Contains the corresponding bits to the register in the nucleo	<a href="https://www.st.com/resource/en/reference_manual/dm00310109-stm32l4-series-advanced-armbased-32bit-mcus-stmicroelectronics.pdf">https://www.st.com/resource/en/reference_manual/dm00310109-stm32l4-series-advanced-armbased-32bit-mcus-stmicroelectronics.pdf</a>	342	Used to configure the registers to the correct type
IDR Register Layout	Chart describing the items needed to make a register accept inputs	Contains the information and corresponding bits to make a register receive an input	<a href="https://www.st.com/resource/en/reference_manual/dm00310109-stm32l4-series-advanced-armbased-32bit-mcus-stmicroelectronics.pdf">https://www.st.com/resource/en/reference_manual/dm00310109-stm32l4-series-advanced-armbased-32bit-mcus-stmicroelectronics.pdf</a>	344	Used to set up GPIO ports to the input type

ODR Register Layout	Chart describing the items needed to make a register accept outputs	Contains the information and corresponding bits to make a register receive an output	<a href="https://www.st.com/resource/en/reference_manual/dm00310109-stm32l4-series-advanced-armbase-d-32bit-mcus-stmicroelectronics.pdf">https://www.st.com/resource/en/reference_manual/dm00310109-stm32l4-series-advanced-armbase-d-32bit-mcus-stmicroelectronics.pdf</a>	345	Used to setup GPIO ports to the output type
LCD Header File	Header file containing data needed for LCD 1602	Contains the drivers needed to use the LCD 1602	<a href="https://github.com/KyleLemma/CSE321-Project-3_Fridge-Monitor-System/blob/84128399152aa03e626b6203b6bad2e87fd5c5eb/lcd1602.h">https://github.com/KyleLemma/CSE321-Project-3_Fridge-Monitor-System/blob/84128399152aa03e626b6203b6bad2e87fd5c5eb/lcd1602.h</a>	All	Used to setup the LCD screen for use in the project
LCD C++ File	CPP File containing the functions needed for the LCD 1602	Contains the functions that can be used with the LCD 1602	<a href="https://github.com/KyleLemma/CSE321-Project-3_Fridge-Monitor-System/blob/84128399152aa03e626b6203b6bad2e87fd5c5eb/lcd1602.cpp">https://github.com/KyleLemma/CSE321-Project-3_Fridge-Monitor-System/blob/84128399152aa03e626b6203b6bad2e87fd5c5eb/lcd1602.cpp</a>	All	Used to setup the LCD screen for use in the project