**Jonny Vo**

**Vjnn0013**

**CENG 317**

**Analytic Rubric for Budget**

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| **#** | **Product Name** | **Description** | **Cost** | **Shipping** | **Quantity** |
| 1 | Raspberry Pi + LCD Screen | CanaKit Raspberry Pi 3 Starter Kit w/ 32 GB MicroSD, Micro USB power supply included with 9” LCD screen | $75 | $25 | 1 |
| 2 | Water pump (ZKSJ DC 12V 1.1A 13.2W Brushless Magnetic Drive Centrifugal Submersible Oil Water Pump 500L/H 5M/16ft DC40E-1250) | Submersible water pump w/ high efficiency water distribution unit. | $65.16 | FREE – prime member | 2 |
| 3 | Water sensor (uxcell® 5 Pieces ZP4510 Liquid Water Level Sensor Vertical Float Switches | SA float switch is a device used to sense the level of liquid within a tank | $19.56 | FREE – prime member | 2 |
| 4 | Touch sensor (Digital Touch Sensor capacitive touch switch module DIY for Arduino) | Capacitive touch –sensing IC module with corresponds to finger positioning | $3.59 | FREE – prime member | 2 |
| 5 | Arduino Uno R3 Microcontroller SMD (Model A000073) | Microcontroller board based on ATmega328 connection for everything | $71.90 | FREE – prime member | 2 |
|  |  |  | Net Total | $235.21 |  |
|  |  |  | Tax (13%) | $30.58 |  |
|  |  |  | Shipping Cost\* | FREE – prime member |  |
|  |  |  | Total | $265.79 |  |

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| **#** | **Links** |
| 1 | https://www.adafruit.com/product/1150 |
| 5 | https://www.amazon.ca/Arduino-Uno-Microcontroller-SMD-Model/dp/B008GRTSV6/ref=sr\_1\_2?ie=UTF8&qid=1475075265&sr=8-2&keywords=arduino |
| 2 | https://www.amazon.ca/ZKSJ-Brushless-Centrifugal-Submersible-DC40E-1250/dp/B00C6XNB50/ref=sr\_1\_9?ie=UTF8&qid=1475075509&sr=8-9&keywords=water+pump |
| 4 | https://www.amazon.ca/Digital-Sensor-capacitive-switch-Arduino/dp/B00HSECH98/ref=sr\_1\_4?ie=UTF8&qid=1475076195&sr=8-4&keywords=touch+sensor |
| 3 | https://www.amazon.ca/uxcell%C2%AE-Pieces-ZP4510-Vertical-Switches/dp/B00FHAEBIA/ref=sr\_1\_12?ie=UTF8&qid=1475076648&sr=8-12&keywords=water+sensor |