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|  | *Cost-Effective Food Monitoring System* |
| **Major:** | **Name:** |
| CS | Travis Wright |

**Design Constraints**

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| *Const No.* | *Constraint* |
| *10* | *The total bill of materials used shall not exceed $75.* |
| *20* | *The app shall not exceed 4 tabs in the user interface landing page.* |
| *30* | *The NFC tags shall not exceed 3 cm in width.* |
| *40* | *The NFC tags shall be functional even when submerged in water.* |
| *50* | *The sensor probe shall update the temperature reading every 30 minutes.* |
| *60* | *The sensor probe shall not exceed a weight of 4 ounces.* |
| *70* | *The sensor probe’s battery shall not exceed 300 mAh.* |
| *80* | *The app shall allow any main UI page, such as current food items or potential recipes, to be viewed within 2 taps on the screen.* |
| *90* | *The system shall comply with IEEE 802.15.1 Bluetooth technology.* |
| *100* | *The parts for the system shall be sourced from Digikey, Mouser or Amazon.* |