1. Development Tasks
   1. Create general system sketch to help understand requirements (Done)
   2. Create user console interface mockups keeping in mind the requirements (Done)
      1. Use as a roadmap for user validation testing
   3. Stock up on coffee supplies and snacks for the software dev team (Done)
   4. Create a solution in Visual Studio 2019 and add version control (Done)
   5. Create an test.cpp to perform unit testing (Done)
   6. Implement the user console interface (Done)
      1. Stub-out responses to create skeleton
   7. Implement the Sequential and Random File I/O and CRUD interfaces
      1. Inventory Database
      2. Scheduler Database
   8. Create the Smart-Device Object Classes
      1. Implement Message Handling
      2. Implement the Device CRUD portion of the objects
         1. Device Name
         2. IP Address
         3. Subnet Mask
         4. Gateway Address
         5. MAC Address
         6. Device ID (Primary Key in Inventory dBase)
   9. Implement the Controller – Manual Controls functionality
   10. Implement the Health Status Dispatcher system
   11. Create an main.cpp to drive the code and simulate sensor events to demonstrate the functionality of the application and that all the requirements have been meant.
   12. Document the running application, screenshots, etc.
   13. Deliver the application and documentation.
2. Known Defects
   1. No known defects at this point.
      1. Menu System Unit Tested (ValidationLibrary\_UnitTests.cpp)
         1. All top-level menus
      2. Input Validation Library Unit Tested (ValidationLibrary\_UnitTests.cpp)
         1. MAC input validation
         2. IP input validation / Gateway
         3. Subnet input validation
         4. Device Name validation
3. Screen Shots
   1. Graphical user interface

      Description automatically generated
   2. Graphical user interface, text

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   3. Graphical user interface

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   4. Graphical user interface

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   16. Text

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   17. Graphical user interface, text

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   18. Text

       Description automatically generated
   19. Text

       Description automatically generated
   20. Text

       Description automatically generated with medium confidence
   21. Text

       Description automatically generated
   22. Text

       Description automatically generated
   23. Text

       Description automatically generated
   24. A screenshot of a computer

       Description automatically generated with medium confidence
   25. Text

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   26. Text

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   27. Text

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   28. Graphical user interface, text

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