Cameroon Work Products

1. Equipment Update – Flexdashboard – CRUD
   * Consider splitting into multiple pages, may want to have summary charts for these viewers on a second page
   * Panel 1 – Map showing labs as points
     + Circle colors different depending on whether or not the lab has equipment that needs to be worked on.
     + Yellow – work on soon.
     + Red – past due.
     + Click events show status, ID, and lab name.
     + Maybe have a filter for a conditional tab set (below)
   * Panel 2 – inputs for updating maintenance date – tab
     + Just fields for date worked on and who maintained it
     + Submit button to update
   * Panel 3 – inputs for new equipment – tab
     + Enter each attribute
     + Perhaps have sane defaults for certain attributes
     + Submit button to update
   * Panel 4 – input for taking equipment out of service – tab
     + Update attribute to request taking it out of service
     + Submit button to update
2. Executive Dashboard – Flexdashboard
   * **Consider adding general findings to another page – perhaps add the other pages as Shinys**
   * Panel 1 – alerts
     + Circle indicating facilities with past due or near due
   * Panel 2 – Table with selections for a single facility (by equipment type)
     + - In service
       - % maintained
       - Near out
       - Maybe consider the text marker instead of above
   * Panel 3 – Compare to some ideal reference point
     + Bullet charts by equipment type
       - Total in service
       - Pct maintained and target
   * Panel 4 – Other things they want shown
3. Markdown report using Radix package
   * Describe scope of project and previous work.
   * Concepts and tools used
   * Major findings
   * Appendix with more detailed results
4. Wider audience map – Flexdashboard with Shiny – **consider doing as a storyboard**
   * Map of lab points
   * Select a column to filter by
   * Add/remove layers
   * Page 2 – Either as a separate deliverable or another map show the indicator colors over time?
   * Page 3 – about the project

\*\* Embedding Shiny as inline app is best approach (<https://beta.rstudioconnect.com/jjallaire/shiny-embedding/#module>)