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**Iteration 3 Recap**

**Work Done:**

Programming Team 1: Joseph Small, Joshua Turner

- Storing Information use case: (Actual Time: 3h 10m)

Remove Redundant data from Visit, Patient Information, and Pregnancy

* + Why? It is confusing and gives opportunity for more errors
  + How:
    - remove redundant fields in diagrams and individual classes
    - update methods and constructors to reflect the new fields
  + Time Estimate: 1h
* Add Classes for Sickling, PMCTC, TT, IPT, Dose
  + Why? We need to include this information
  + How:
    - Create classes for each, and tie them to the Patient Information class
  + Time Estimate: 1h
* Add Unit Testing
  + Time Estimate: 30m
* Clean up genericService
  + Why? There are unused methods
  + Time Estimate: 30m

- Displaying Store Information use case: (Actual Time: 4h 15m)

Refactor MedicalInformation to Patient Information

* + Why? Vague name
  + How:
    - refactor in code and diagrams
  + Time Estimate: 30m
* Update the UI to reflect changes to Patient Information
  + Use Case: Displaying information on the patient
  + Why? Our UI is currently confusing and doesn't allow for accurate data display and data entry
  + How:
    - Make the Patient Information tab read-only
    - Change the fields to make it obvious to the user that they are read-only
  + Time Estimate: 4h
* Add Unit Testing
  + Time Estimate: 30m
* Clean the UI Code
  + Use Case: Displaying patient information
  + Why? We currently have one huge class for all of the UI
  + How:
    - Split UI into classes for each tab, with one class to connect them
  + Time Estimate: 1.5h

Programming Team 2: Dejan Tisma

- Generate Monthly Report use case: (Actual Time: ~12h)

Create methods necessary for generating the information needed for the monthly report

* + Why? To start on Monthly Report use case
  + How:
    - figure out which calculations are needed for the monthly report fields
    - create the methods for those calculations
  + Time Estimate: 4-8h
* Add Unit Testing
  + Time Estimate: 30m
* Output(optional):
  + Why? Output will be necessary at some point and may be necessary for testing the methods. For now, CLI output, or output to a CSV file (for databases) would likely be the best options.
  + How:
    - Add a monthly report section to the patient search front page
    - Add UI element for generating the report
  + Time Estimate: 2h

**Risk Management:**

- Switching to online classes/spring break. There were a lot of issues with this shift, for obvious reasons. I was kicked off on-campus housing, which kept me busy for the greater part of spring break. And two of our team members had jobs that were shifted to online, so that took priority over iteration 3 work for the greater part of spring break. There was also a period of adjustment back to classes from spring break. To help combat this, I hosted extra, virtual meetings over discord to try and keep things on track, and make sure we would have a successful iteration.

- Starting a new use case. The Generate Monthly Report use case was an unknown. Our goal was to start it this iteration, but because it was such an unknown, I assigned this use case to the individual programming team, so that most of our productivity was spent on low-risk work. This actually worked very well, as Dejan was able to focus 100% of his efforts on this use case and did a fantastic job on it.

- Team 2 depended on classes from Team 1. The Generate Monthly Report use case depended on some classes (Sickling, PMCTC, TT, IPT, Dose) that had not yet been created. So that was a priority for Team 1, to create these classes so that Team 2 could work on them as soon as possible. And this worked out perfectly, because by the time Team 2 needed to use these classes for methods, they were available.

**Accomplishments, Issues, and a look ahead:**

- We accomplished everything we had set out to accomplish this iteration, including the optional task of creating output for the Generate Monthly Report use case.

- Plans for next iteration:

- Begin/finish the Display a List of Visits use case

- Refactoring and bug fixes/feature additions

- Wrapping up the project and prepping for iteration 5