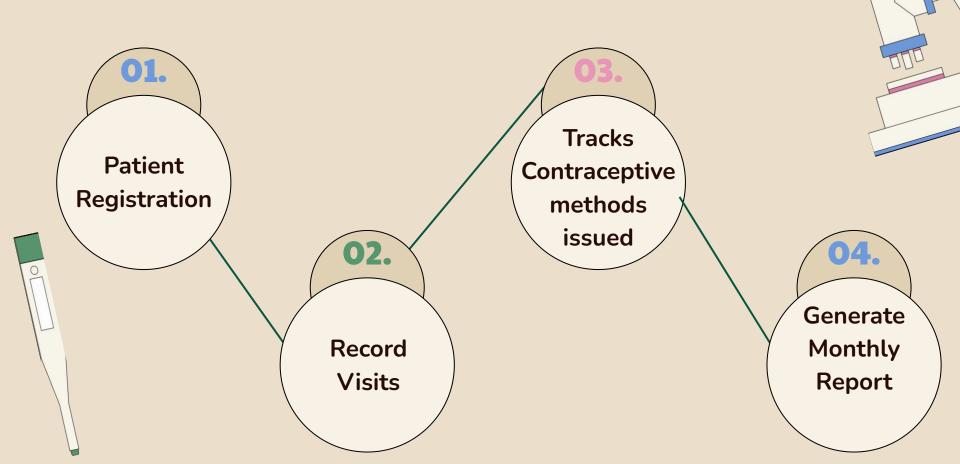






Our project focuses on transforming the manual Family Planning Register into a computer-based system tailored for the clinic's workflow.

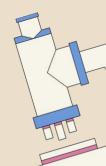
Overview Cont.





Overview Cont.

V---



FAMILY PLAN	NNING CLIENT REGISTER	Year:
Facility / Zone:	Sub-district:	District:

EAMILY DI ANNING OF IENT DECICTED

																	МО	NTHS					
s	/No	Date	NHIS Reg. No.	Client's Card No.	Name	Marital Status	Sex (M/F)	Address (Location / Community / Hse No.)	Method of	1st ever use of method (Y/N)	Age (circle if < 20 or > 35 yrs)	Parity (circle if >4)	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
Г																							



Overview Cont.

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District											b. W/FP						-
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Region					dinic aggre						d. report exp	ected					Ī
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to RHMT with copies to relevant agency				d	t. regional sto	res					f. %reporting	(e/d*100)					_
				CON	DOM .		ORDER)					Steriliz	otion				=
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(e.g. SDHT x 3 / DHMT x 4 / RHMT x 5)																	1
8. Quantity Required [line 7 - line 6]					-		-			-	-		-	-			
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DHMT 10 % x line 10		-	-				-					-	-	-	-		4
RHMT 10% x line 10			-				-					-	+	-	-		4
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DHMT - REG. 40% x Line 10		-											-	-	-		1
RHMT - CENT. ACC. 30% x line 10		-		_		-	_		-		_	-	-	-	-		ł
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(b) Continuing			-		-							-	+	-			ł
(c) TOTAL	_	-	-		-		-		-			-	+	-	-		4
14. TOTAL VISITS (from tally sheet)		-	-	-	-		-					-	-	-	-		ł
15. Couple Years of Protection			-									-	-	-	-		+
				1		1	1				1						

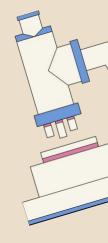
Sterilisation = 11 CYP/procedure

Vasectomy = 10 CYP/procedure

Natural = 2 CYP/user

IUD = 3.5 CYP/insertion

Norplant = 3.5 CYP/insertion

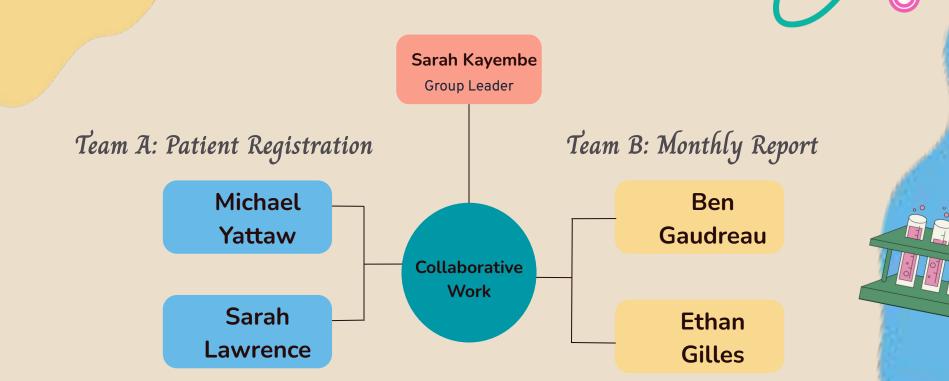


Problem Statement

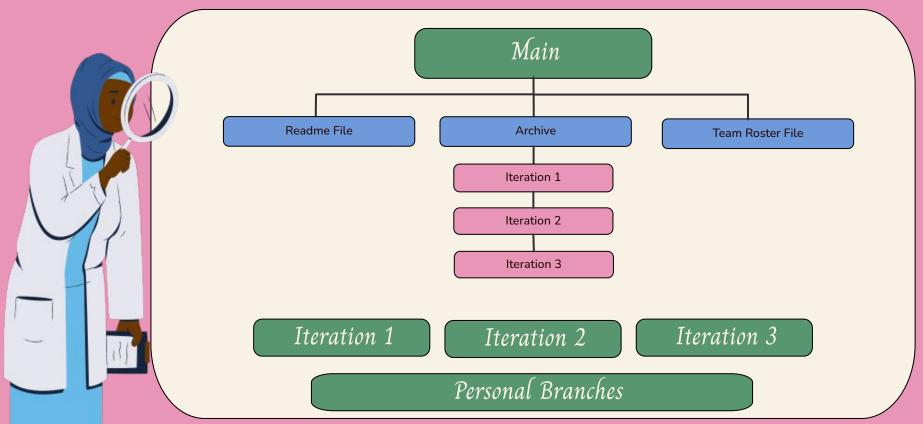
The manual system made it hard to track patients, update records, and complete monthly reports. These documents were paper-based, and paper records are easily lost, damaged, or misplaced, leading to gaps in patient history and inaccurate reporting.

Hence the need to digitize the system.





Repository Strategy



Team Lead



Throughout All Iterations

Oversaw the project to ensure all requirements were met for each iteration.

Created Use Case Diagrams and wrote Use Case Descriptions.

Set up and tested the database before the decision was made to scrap database usage.

Communicated all updates and information to the team to keep everyone aligned.

Ensured each team member had the information needed to begin their assigned tasks.

Wrote all reports for each iteration.

Team Lead



Throughout All Iterations

Identified significant accomplishments, major issues, and models that needed refactoring for the next iteration.

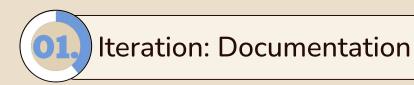
Coordinated with the other team's leader as needed for shared data structures and updates.

Created the presentation slides for the project, with input from each Team Pair

Pushed finalized code changes to the main branch after review and readiness

Organized and stored all documentation in the correct project folders.

Team A



Uml Diagram

Written Use Cases

Draft code

Monthly Report Use Cases

Create Monthly Report							
Actors	Nurse, Nurse Supervisor						
Preconditions	The nurse is logged into the system. The nurse has the necessary permissions to generate the monthly report.						
Normal Flow	1. The nurse logs into the system. 2. The nurse generates the monthly report. 3. The nurse modifies and completes the report. 4. The nurse submits the report. 5. The system notifies the nurse supervisor that the report is ready for review. 6. The nurse supervisor reviews the report. 7. The nurse supervisor approves the report.						

```
package edu.usm.healthsystem.report;
import edu.usm.healthsystem.model.Client;

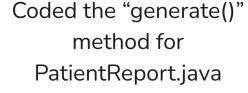
/**
    * Implementation of Report for generating patient-specific reports.
    */
    public class PatientReport implements Report {

        /**
          * Generates a detailed report for a patient.
          * @param client The patient to generate the report for
          */
          @Override
        public void generate(Client client) {
                // TODO: Implement patient report generation
        }
    }
}
```

Team A Cont.



Iteration: Adding Core Use Cases



Coded the "generate()" method for Appointment.java

Adjusted the code format so it's more cohesive.

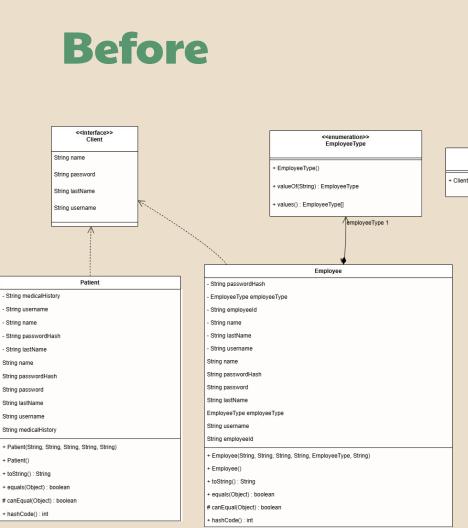
Created Unit Tests for the patient report and appointment generation using JUnit

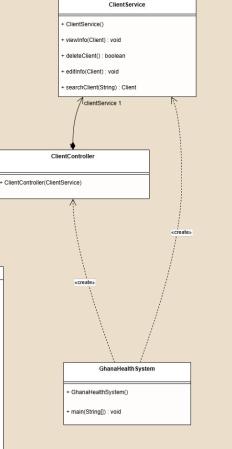
Team A Cont.

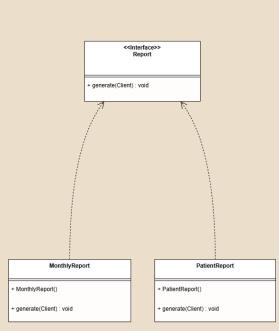
1 Iteration: User Interface

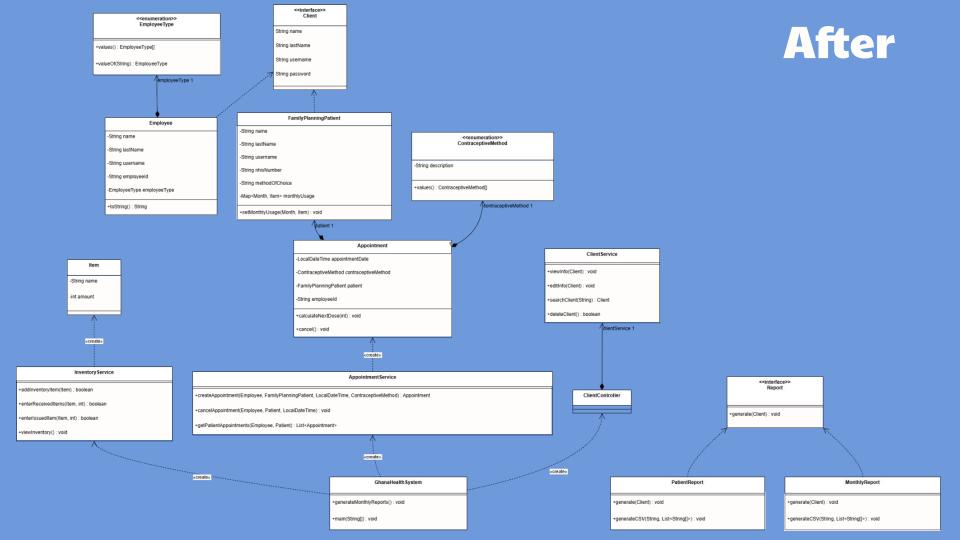
Created a starter UI for generating Family Planning Client Report

Created: "Generate Report", "Preview Report", "Create Patient", "Delete Patient", and "Appointment" buttons Some future features: allowing the user to edit patient info, make it so when an appointment is made it updates the client report









Team B



Iteration: Documentation

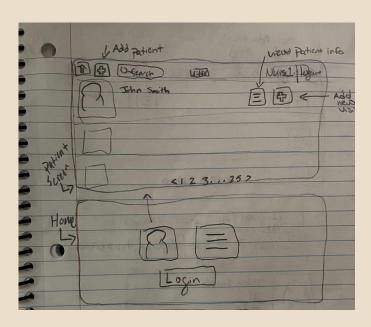
Created Draft API

Created UI Sketch

Created Domain Model

Info Needed for Monthly Report

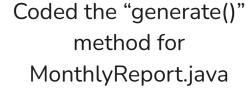
- Clinic
- Region
- District
- Beginning Stock
- · Received Stock
- · Issued Stock
- · Transferred Stock (how much and where)
- · Loss/Expired Stock
- · End of Month Stock
- · Number of months required for stock
- · Quantity to order
- · New Acceptors
- · Continuing Acceptors
- · Total Visits
- · Couple-Years of Protection



Team B Cont.



Iteration: Adding Core Use Cases



Created Unit Tests for the monthly report generation using JUnit

Adjusted the domain model to match the adjustments made in the code.

Created
InventoryService.java
which keeps track of
inventory items and
transactions with the
system.

Team B Cont.

03.

Iteration: User Interface

Created a starter UI and worked with the Patient Team to integrate it into the project

Created: "Generate Report" "Set Stock" and "Preview Report" buttons and functionality Created the dialog box for "Add Transaction" button and connected it to the inventory service

