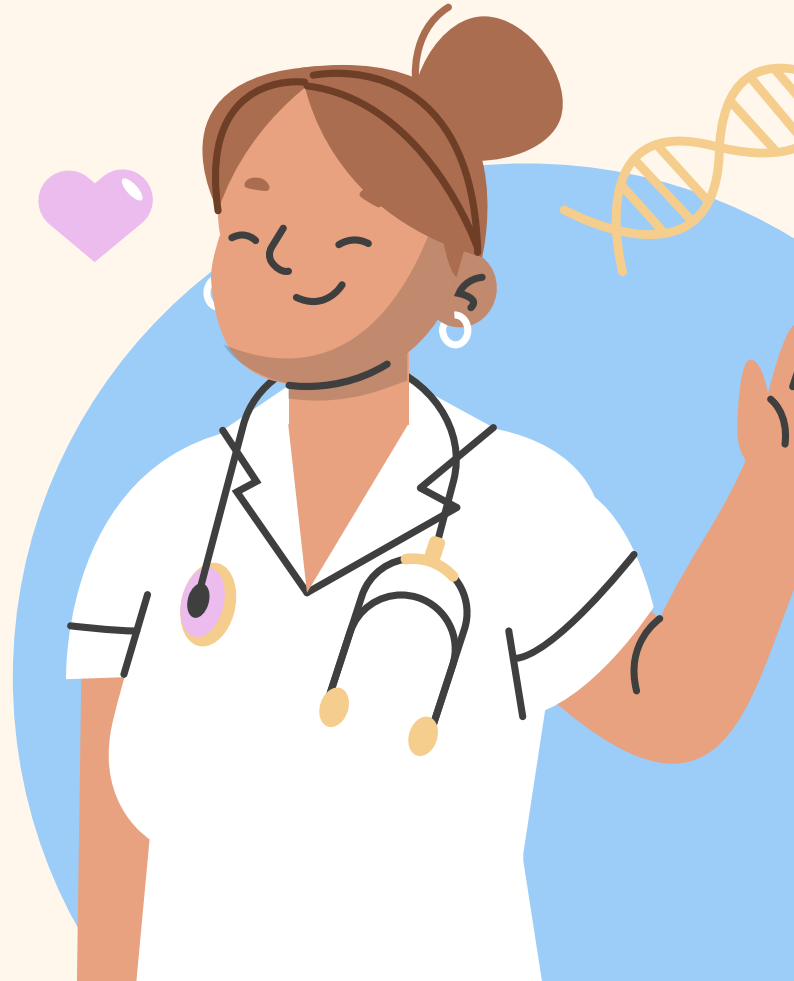


CollectiveGood

Team A: Adam Doyle, Anna (Sojin) Kim,
Tyler Yang, Trey Burgess





Introduction

Collective medical intelligence is easy to harness in urban areas, but less so in rural areas. The goal is to develop a collective database of medical cases that is accessible everywhere to help medical diagnoses.



Functional Overview

Users:

- Standard users: Medical Professionals and Students
- Admins: The CollectiveGood organization
 - Same entitlements as standard users, with elevated access

Services and Functions:

- Users will first create an account or sign in to our application
- Admins will be able to create new cases and assign them to users
- Users will be able to input raw case data for cases
- Admins will validate case inputs before they are accessible to others
- These cases will be used as references to assist in medical diagnoses



UI Mockup

Login Screen


Sign In

Log In

or




Create Account

Home Screen - Standard User


CollectiveGood 

Dashboard




My Assigned Cases (3)

-  [new_case1.pdf](#)
-  [new_case2.pdf](#)
-  [new_case3.html](#)

Pending Review (1)

-  [case4.pdf](#)

Completed Cases (3)

-  [completed_case1.pdf](#)
-  [completed_case2.html](#)
-  [completed_case3.pdf](#)






Home Screen - Admin


CollectiveGood ☰

Dashboard Admin Tasks ▾




Cases To Assign (3)

-  [new_case4.pdf](#)
-  [new_case5.pdf](#)
-  [new_case6.html](#)

Cases To Review (1)

-  [case4.pdf](#)

Completed Cases (3)

-  [completed_case1.pdf](#)
-  [completed_case2.html](#)
-  [completed_case3.pdf](#)

Sample Case Submission

CollectiveGood



case1.pdf

Case Study: Physical Exam

Background

The following case study can be used with mentees to illustrate the purpose and value of conducting a physical exam. The case is structured to include pauses in the narrative to allow mentees to practice clinical decision-making along the way. In this way, it resembles a structured clinical vignette (see [Using Clinical Vignettes](#)).

Case

The patient is a 50 year-old man infected with HIV who comes to a clinic for routine follow-up.

He was diagnosed with HIV infection six months ago, with a CD4 count of 60, and started antiretroviral therapy (ART) with nevirapine, 200 mg daily for 14 days, then BID, i.e. twice a day. He started stavudine 30 mg BID and lamivudine 150 mg BID 3 months ago. He has tolerated this regimen well, and says he takes almost all of his prescribed doses. He has missed several follow-up appointments with the clinic doctors, but has come to the pharmacy to receive his medications every month. Another clinician started him on ART, and this is the first time you have seen him. He says that his appetite is fair, and that he is not losing weight. He denies fevers, but has some sweats at night. He denies pain, tingling, or numbness in his extremities. The remainder of his review of systems (ROS) is normal, by his report.

Since you do not know him, you quickly review his chart. It reveals that he had some anemia at baseline, with hemoglobin of 10. His chemistries and liver enzymes were normal before starting ART. He had reported some discolorations on his skin, but there is no further mention of this in the notes.

In addition to ART he is taking cotrimoxazole, 1 double-strength tablet daily. He denies medication allergies.

His vital signs appear normal in the triage nurse's notes from today.

The patient would like to pick up his medications and go home.

Patient Demographics

Age

Gender

Patient History

Past Medical History

Family History

Symptoms

Chief Complaint

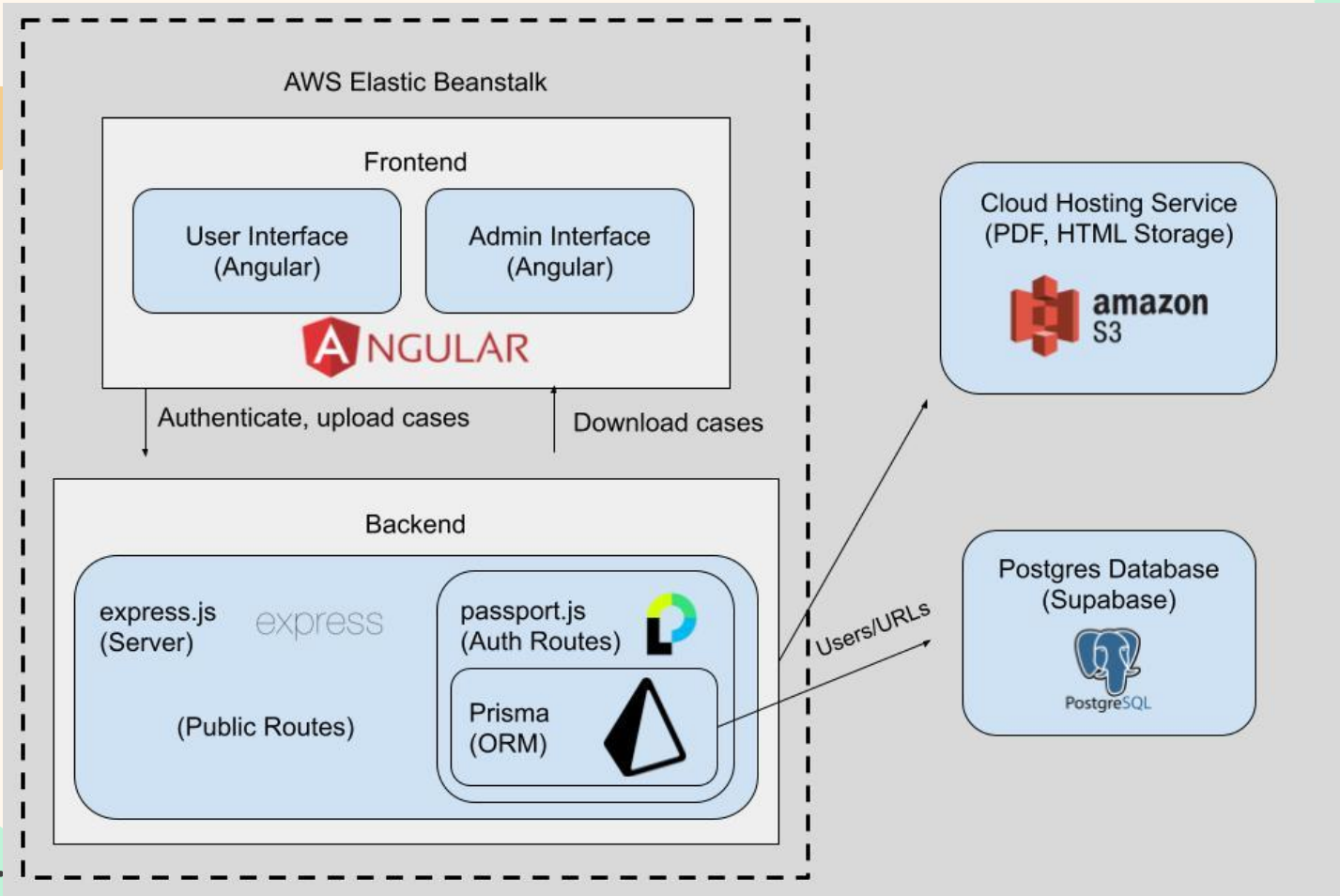
✕ Close

Save Draft

Submit >

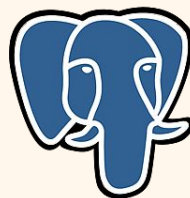


Technical Overview (Architecture Diagram)





Platform Description



PostgreSQL

Express



Prisma

TypeScript

aws

