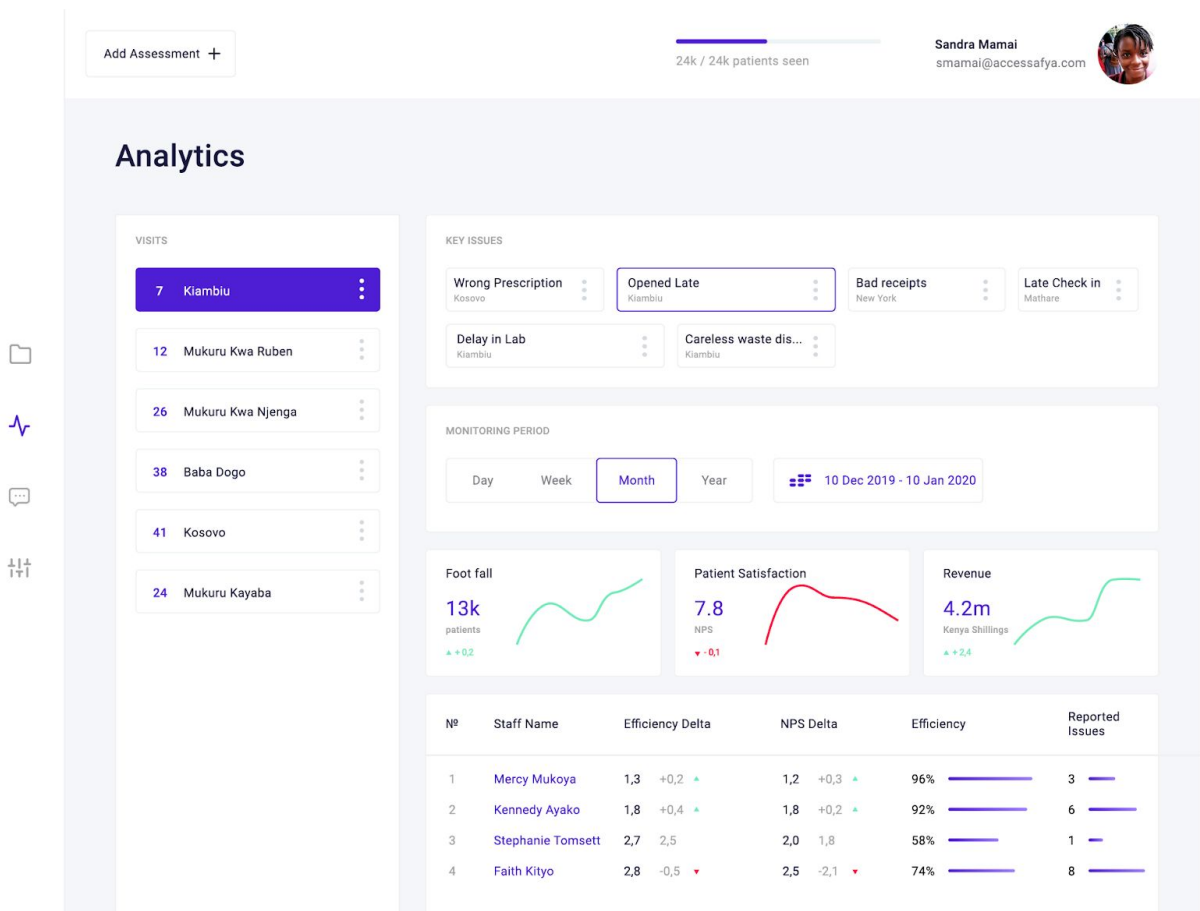# Platform Engineer Work Assignment

Estimated Duration: 1 Week

The world is urbanizing at an unprecedented rate. The growth in cities means more people are moving to highly populated, often unsanitary, slum environments. Whilst many of these people live on an economic razor's edge they are like any of us, willing to do whatever it takes to protect and care for their families. Access Afya is disruptively creating affordable primary care access that delivers on quality for every patient, every time.

Inorder to efficiently manage clinics, Access Afya is creating an analytics platform to help in the measurement and optimization of key metrics that are fundamental to operational efficiency. Below is a screenshot of what that could look like.

Your Task

The product manager has consulted with engineering and determined that the above analytics module can be implemented in one sprint i.e. two weeks. As a junior engineer in the team, you have been tasked with collaborating with a product engineer to bring it to life. The team uses React JS to build the product front-end which sends requests using Apollo to a GraphQL API written in Node JS which in turn serves data from a MongoDB instance where all the data is stored. The front-end also uses Redux for state management. Currently the code has at least 50% test coverage and peer code-reviewers are not to accept new PRs with at least 50% test coverage across all projects.

The code should live on Github with meaningful commit messages across the duration of your project.

Please don't hesitate to ask if you need clarification.

TODO:

1. You are to build the GraphQL API that will be consumed by your team members on the front-end.
2. When you are done, host your app and share the url of both your code and the live instance with GraphiQL activated.
3. Send your work to athman.gude@accessafya.com and cc. hrm@accessafya.com