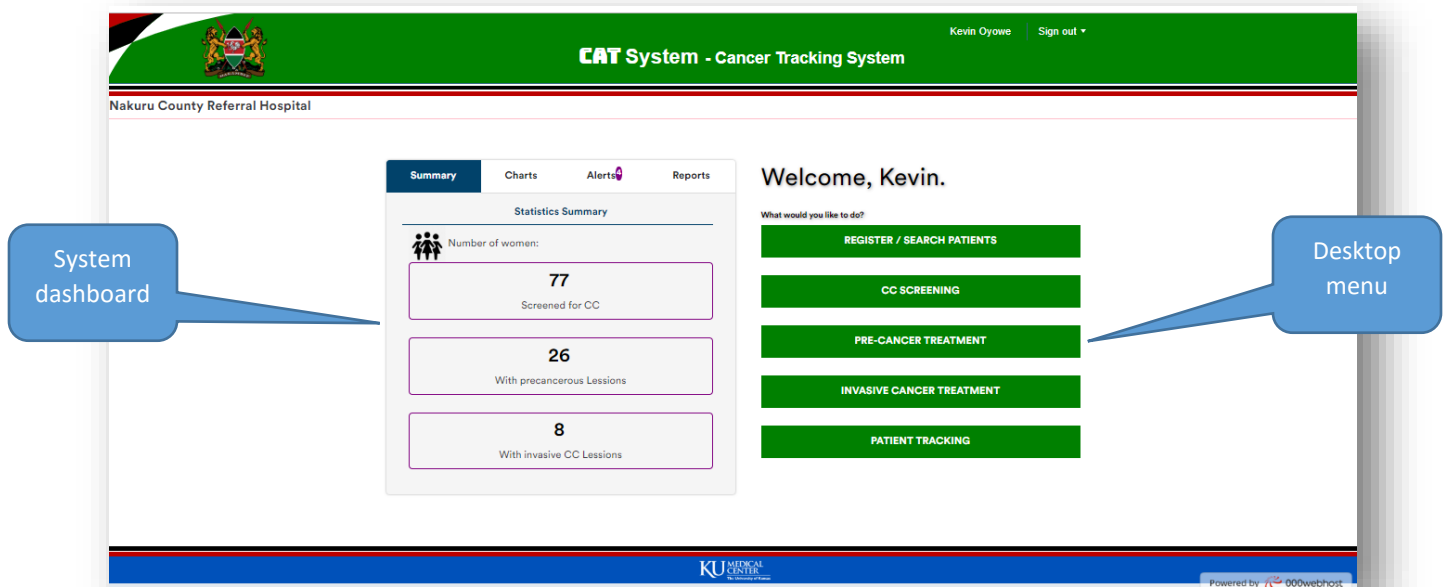




**University of Kansas Medical Center**  
**CATSystem Programmer Interview Challenge**  
**Kevin Oyowe**

The task at hand is to come up with a visual representation (or design) of the proposed CATSystem – Cancer Tracking System. This is basically not a complete web application, but a skeleton of some of the most desirable features according to my vision.

**The home page** is the first page we expect a user to be able to access immediately after login. The following screenshot shows a zoomed out view of the home page. I tried to use Kenyan colors to the theme.



The home page is divided into two main sections, **system dashboard** on the left and the **desktop menu** on the right.

The system dashboard contains four tab views that enables a user to switch between the *Summary tab*, *Charts tab*, *Alerts tab*, and *Reports tab* as summarized below.

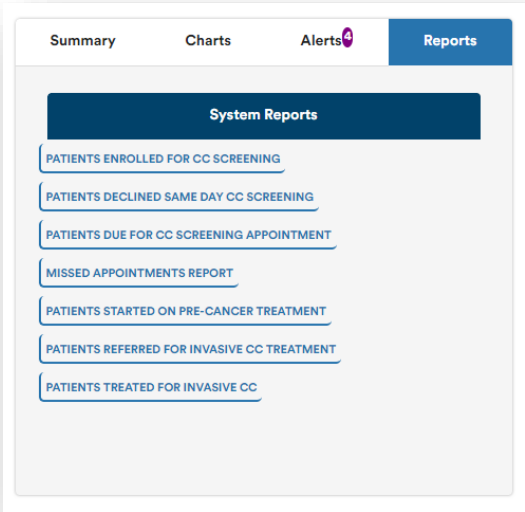
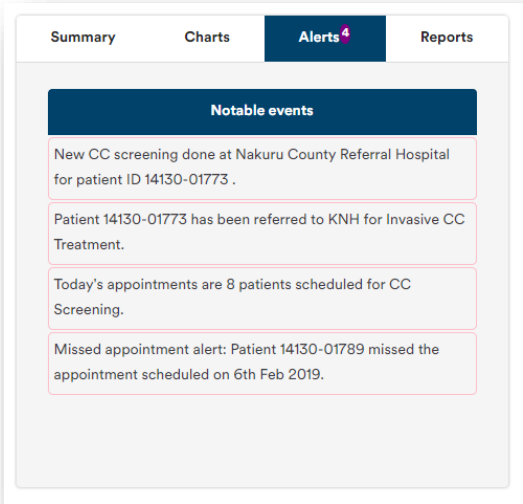
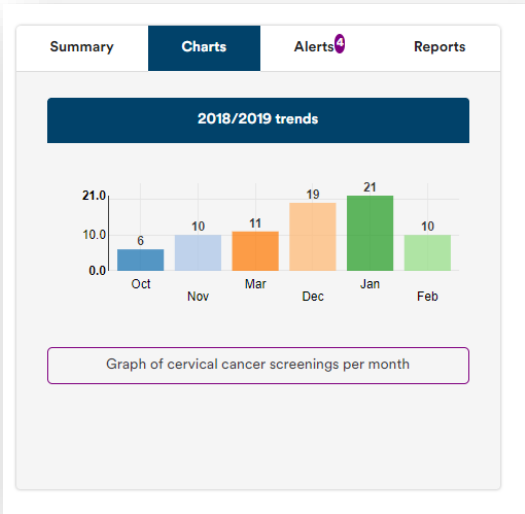
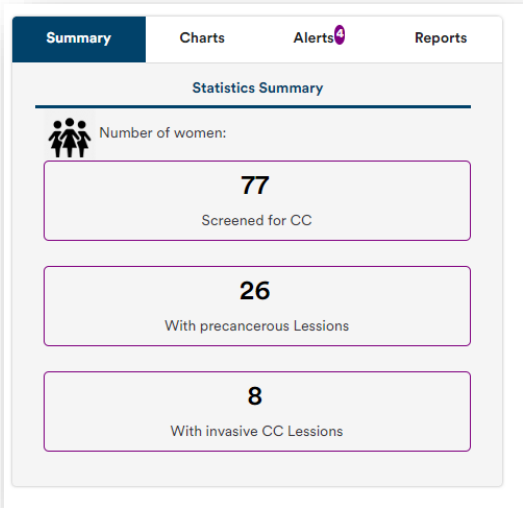
Summary Tab: displays summary information in figures.

Charts Tab: generates charts and graphs from the system.

Alerts Tab: shows alerts and notifications from the system.

Reports Tab: contains a list of reports that users can click on to run and get various data.

The figures below summarize each tab of the dashboard.





The desktop menu is a list of links to common data operations on the system, for example data entry. In this demo, the desktop menu consists of buttons that when clicked should open a data entry form. The figure below shows a summary of the earliest menus on the system so far.

A white rectangular box with a shadow. It contains the text "Welcome, Kevin." at the top. Below it is the question "What would you like to do?". Underneath are five green buttons with white text: "REGISTER / SEARCH PATIENTS", "CC SCREENING", "PRE-CANCER TREATMENT", "INVASIVE CANCER TREATMENT", and "PATIENT TRACKING".

Clicking on REGISTER / SEARCH PATIENTS, for example will open the Patient Registration Form sample that is shown below.

A screenshot of the "Patient Registration Form" interface. At the top is a green header with the Kenyan coat of arms, the text "CAT System - Cancer Tracking System", and user information "Kevin Oyowe" and "Sign out". Below the header is a white section titled "Nakuru County Referral Hospital" with a green "BACK" button. The main form area is titled "Patient Registration Form" and contains a "Demographics" section with input fields for "First name", "Middle name (if on ID)", and "Last name". Below these are fields for "Birth Date" (MM, DD, YYYY) and "Gender" (Male, Female).



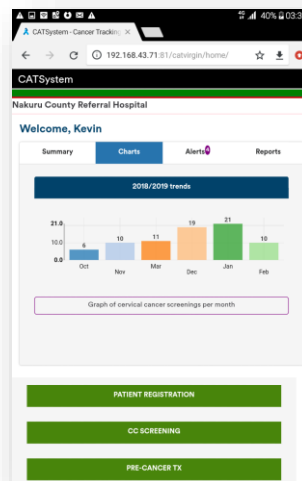
The user will be able to fill the form and complete the data entry process by clicking on the SUBMIT FORM button displayed below.

Contact Information	<b>Phone and National ID</b> <div> <div>Kenya +254</div> <div>0728765507</div> <div>28804074</div> </div> <div> Country code Phone number National ID </div>		
	<b>Physical Address</b> <div> <div>Kenya</div> <div></div> <div></div> </div> <div> Country Address line 1 Address line 2 </div>		
	<div> <div></div> <div>Nakuru</div> </div> <div> Town/Market County </div>		
<div>SUBMIT FORM</div>			

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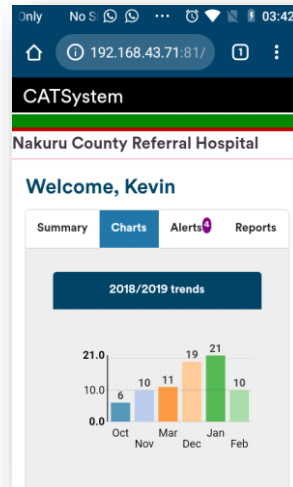
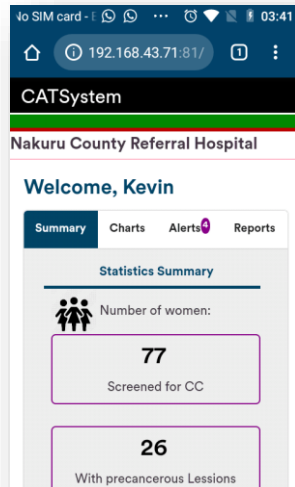
The website is responsive to the media screen size of the device accessing it and renders well on Desktop computers, Tablets, and small mobile phones.

The following are illustrations of some of the screenshots taken from a tablet.





The following are illustrations of some of the screenshots taken from a small mobile phone.



The demo web page is available for anyone to access and test through the following link.

<https://koyowe.github.io/catsystem/home/>

Thank  
you