

AWE FARUQ OLADIMEJI

19/ENG06/065

MECHANICAL ENGINEERING

ENG 224

## Software development Cycle

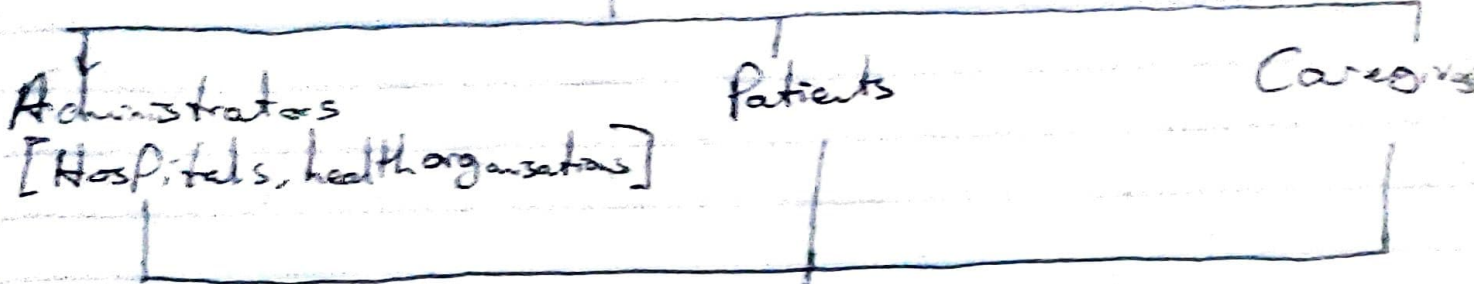
- 1) **Concepts** :- A web based app that allows all hospitals authorized by WHO to access and upload data on it after testing for COVID-19 in patients
- **Design** :- In this stage of software development cycle starts by turning the Software Specification into a design plan
- **Testing And Debugging** :- The Codes written for the creation of the website are tested and debugged to ensure optimum working conditions.
- **Launch** - When the website gets approval the application is launched and maintenance is performed monthly to keep it running smoothly, with steady updates for the user ease and control aspects.

- 2) **Software feature of the web-based application**
  - **Easy Navigation** :- A web site with easy navigation provides users with faster, more efficient access to the content they seek, thus saving time
  - **Geolocation** :- Integrated map service like google Maps is a perfect way to let patients find nearby clinics and hospitals when it is necessary.
  - **Real-time chat** :- It is an excellent way to integrate real-time chat and enable it in your app letting patients and doctors communicating and for scheduling appointments for COVID-19 tests
  - **Push notification** :- Notification about everything that occurs with COVID-19. They pop up on the screen when user comes online and user stays updated.

# Top-bottom design

Website

Create account



Login

View Information

Check Symptoms

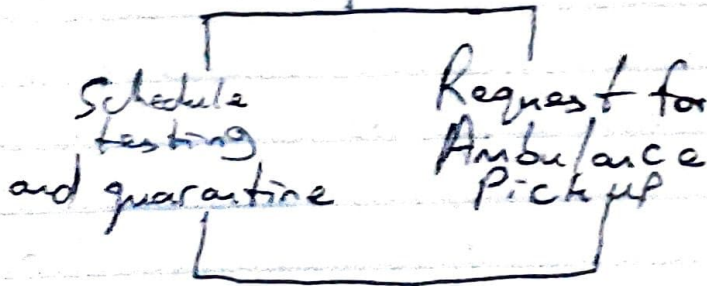
Update Information

newsletter  
Charts on Cases Information  
Test and treatment location

Positive Status

Negative Status

fix bugs and interface improvement



Upload new statistics and location

Treatment Advice

# Flow chart ↴

