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ENG 224: ALGORITHM CLASSWORK

PROBLEM: DESIGNING A WEB-BASED APPLICATION THAT CAN DETECT, DISPLAY, RATE AND STORE THE TRASMITTED DATA FOR THE COVID-19.

* UNDERSTANDING THE PROBLEM:

This pandemic is caused by the corona virus(SARS-COV-2). It started in china in the year 2019. This illness the lungs and airways, as is it of today there is no cure for this disease.

* PLANNING:
1. Calculating the strength and weakens of this disease: affects older and younger ones and also people with virtual problems to the body(asthma patients, heart diseases, lung and cancer related patients). Also people with good immune system are at safe risk from this disease.

An application determining an ensuring all people all over have access to such information to create awareness.

1. How do we create? : using a design application format (TOE) or visual basic(VB) we create an application for the awareness of this disease.
2. Is it beneficiary to the society and why? : yes it is, because if such an application is created and people have access to it they will be provided awareness to others on how an what they should do when infected.
3. What does the application do? : it detects, stores, create awareness and information to the public, displays the rate of infected and non-infected.
4. How do we solve this problem? By creating an application for it.
* ANALYSIS:

Will a vaccine be developed quickly? If not, what’s the probability that this pandemic will cure in days/months/years.

Will the web application reach out to a maximum amount of people for awareness?

Can it produce a result for not only the non-infected?

Will it be successful?

Can this application be used for another purpose?

Testing the application with pseudo locales.

Draw able and relative pictures provided for adequate information?

* DESIGNING/ CARRYING OUT THE PLAN:

Using a TOE format/method or C programming or Visual Basic (VB).

1. Check every analysis
2. Localize the application
3. Unicode the application
4. Language resolutions.
5. Over viewing the application
6. Animation and pictures development
7. Layout and menu
8. String, message box, style, front.
* DEVELOPMENT:

Taking each step according and carrying them out, by each following each procedure to create this application from planning to deployment.

1. Start
2. Create a project
3. Plan the application by using methods and programming languages.
4. Building the application interface
5. Coding the application
6. Testing the application
7. Debugging the application
8. Assembling each step to develop the web-based application.
9. End.
* IMPLEMENTATION:

Network access and syncing. Transferring assets.

There’s no specific treatment for corona virus (COVID-19). Treatment aims to relieve the symptoms until you recover. Various steps will be taken out on the application on how to test and store data.

* TESTING:

Test running the application for hardware and software problems.

Testing views into the database.

* MAINTENANCE:

Running the application all the time to test for problems and creating preventing measures for the people. Simple measures like washing your hands often with soap and water can help stop viruses like corona virus (COVID-19) spreading.

HARDWARE AND SOFTWARE FEATURES

HARDWARE:

* SIMPLICITY FOR END USER

Design is not just what it looks like and feels like. Design is how it works.” This statement isn’t likely to change anytime soon. However complex the logic is, if it’s presented in a simple way, with easy-to-use means of navigation, it will be appreciated by users. The workflow and principles that we use to create and deliver mobile apps for our clients.

* TOUCHSCREEN FEATURES: Possibilities to enhance users interaction.
* GPS: Operating with GPS services.
* SD-CARDS NEEDED FOR CODING.
* GDPR STANDARDS

General Data Protection Regulation, it aims to protect personal data. This feature ensures from hardware to software which stores and processes personal data of users created for privacy and security by designing in well-defined requirements.

* PERFOEMANCE IS KEY

Your mobile application must launch quickly for the first time and never keep users waiting since that very moment. At early stages, it’s all about the correct choice of tech stack. After the release, continuous optimization is a must, and the high performance of your app will be verified by quality assurance on an ongoing basis.

* SECURITY

This characteristic is vital to specialized app development in such industries as HIPAA-protected healthcare and Android-based mobile device management. There, data confidentiality is protected on the legal level. Provision of data security is also one of the most important and the expertise building to secure customizations of Android OS and bundles of secure communication products.

* BOTH IOS AND ANDRRIOD SHOULD BE COVERED
* FEEDBACK AND CONTACT MEANS

SOFTWARE:

This is a contact and information access type of software.

The single most important function of any application program is to please the customer. What did they want vs. what did they need. The second most important function of software is to have no surprises. It should do exactly what it represents and nothing more or less. It is machine dependent which means it needs a machine language to operate and most relevant high language. Also allows the use of system programming.

ALGORITHM SOLUTION:

1. Start
2. Create a project
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6. Testing the application
7. Debugging the application
8. Assembling each step to develop the web-based application.
9. End.

FLOWCHART SOLUTION:

Plan the app

Build the app

Code the app

Testing the app

 yes no

Assembly each step and code

Debugging the app