PA2562 Secure software development

Ethics Assigment-1

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Web application

The web application I have developed is "Winkel". the website deals with the search of the available food items in the store, which helps the user by saving his/her time without traveling to the store.

We have followed 5 ethical points in our web application:

1. Approve software if they have a well -founded belief it is safe and meets specifications.
2. Accept full responsibility for their own works
3. Avoid harm to others
4. Respect the privacy of other.
5. Improve their ability to create safe, reliable and useful quality software.

1.Approve software if they have a well -founded belief it is safe and meets specifications:

The main aim and goal of any developer is to develop the web application which has good UI, easy to use and which meets the requirement of the society. In our web application we followed very based icons, symbols and very standard colors which help every user to identify the meaning, we used google fire based for uploading the pictures and the rate of the product which increased the security of the product. We made a survey and collected the major requirements of the user then we developed the web application with the complete specifications. While releasing the product into the market we made a several security testing insights of firewall and the giving security permission to only authorized user of the web application.

2.Accept full responsibility for their own work:

This principle is very general point for the developers to bear the full responsibility for their own work. In general, any web application will experience error when it has system updates or sudden overload on the system at that point the technical assistant will be active to respond to the issues. I our web application we faced a technical issue with the product loading page, as I am under technical department so I helped in correcting the issue and tested it under certain conditions.

3.Avoid harm to others:

These Web applications involves many security issues and the firewall   complications any effect to the security of the web application may leads to lose of very sensitive information form the system even in worst cases we may loose entire system data also. In our project we

accomplished some of the pre testing techniques to avoid these types of complication while using the application. So, we used frame works to for the securing the data of the application and the system even. We even planned a scheduled testing in the application to avoid this type of error.

4.Respect the privacy of others:

Any mobile application or web application should respect user privacy that means the details which are taken from the user during the login/ registration into the application should not be disclosed to others only the database administrator right authentications. In our web application we just only asked the user to login through "google mail" or "Facebook" so that only email is taken for the user login which doesn't have a high security risk. If user choose to login from the self-account, then he /she need to give email and password which are stored in the google firebase and only have the access to the database department.

5.Improve their ability to create safe, reliable and useful quality software:

In the market there are many applications which provide the information about the product availability but the specialty in the designed application it is low-cost website, which provides the security through the google firebase and for accessing the web application we are only using the email for the login which has a low level of security risk. the most important is use of quality software, in our application we used well known frame works and a standard programming language for the development by using this we will not face any problem while accessing the application. We also provided reliable information in the application so that the user will not face any problem with the fake information. The build application has the access in both mobile and web versions.