INFO 6055

Non-Functional Testing Assignment 1

## Student name\_ AMANJOT KAUR\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student ID\_\_\_\_\_\_\_\_\_0914790\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Description – Non-functional requirements

Identify the NFRs for the Crypto Currency case study

Marks - 50

Instructions

Read the Case Study.

* This is an individual assignment
* Identify the non-functional requirements/expectations you think this application will need
* Fill in the table below. Add rows to the table if you need more. (you will need more.
* Your requirements must be expressed clearly and in as much detail as makes sense. Single words will not receive a mark
* For each requirement identify the type of requirement. i.e.
  + Performance
    - Load
    - Stress
    - Volume
  + Failover
  + Recovery
  + Usability
  + Scalability
  + Availability
  + Reliability

You must submit this document to the “assignment one” drop box.. The table is found on the last page.

Do not zip anything.

## Marking Scheme:

|  |  |  |
| --- | --- | --- |
| **Marks Available** | **What Are the Marks Awarded For?** | **Marks Awarded** |
|  | | |
| **10** | **Validity of NFRs – actually non-function vs functional** |  |
| **10** | **NFRs stated clearly – detailed and understandable** |  |
| **15** | **Completeness – identified a reasonable number of NFRs** |  |
| **10** | **Correct types identified for each NFR** |  |
| **5** | **Spelling and grammar** |  |
| **\_\_\_ 50** | **TOTAL MARKS** |  |

NFR – Non-Functional Requirements for Case Study

|  |  |  |
| --- | --- | --- |
| ID | NFR Description | NFR Type |
| 1 | Management of any database or storage require CRUD i.e (create,read,update and delete) which can be possible with the help of volume testing.  For eg : update any person’s account with some balance say $100 ,we need update command of database. | Volume testing |
| 2 | Giving permission to a user to create and access any account on open currency market is called as access control.  It includes credentials(username and password )that a user need to enter while accessing cryptocurrencies. | Access control |
| 3 | Currency gift card can be used for the purpose of promotion to more than the expected number of existing user because people might create account to get gift cards that might increase the load of system . | Strees testing |
| 4 | As the online application is used for purchasing products ,there might be chances of data locking and blocking and many cases there may be network traffic congestion that slower the performance of application. | Application( stress testing) |
| 5 | If we want to use any system at any location in the whole world, make it sure that it should available to each and every part of the world in any circumstances .to make it available all the time, it can use RAID that make multiple redundant disk of system that easily available in case of network failure or system crash. | Availability |
| 6 | CIA(confidentiality,integrity and authenticity) requires for security if a user operates in open market and all of these are come under the umbrella of security. | Security |
| 7 | portability enables any system to work on different operating system and environment that do not concern about windows or mac. | Portability |
| 8 | Tracability is a type of non-functional that is used to track all the past events including present activities | tracability |
| 9 | It’s a kind of feature that generate a report after a certain period so that user remain on track for the values of cryptocurrencies and its number of usage within specific time. | Reportability |
| 10 | output in form of user interface i.e on screens is user interface and to check whether its ui is correct or not is UI testing. | user interface |
| 11 | For instance person a withdraw $100 from bank account ,its integrity be like it shows two transactions : one is debit with 100 in a account but it should also show same transaction in bank’s record. | Integrity |