CS 3009: Software Engineering (A)

Quiz 3

Time: 15 minutes   Max Marks: 20   Roll No. ___Solution___

Q1.   **20 Marks**

Characterize the following requirements as Functional/Non-functional (F/NF). Also identify if they are Testable or Not-Testable (T/NT). In the second last column write F if a requirement is functional and write NF if the requirement is Non-functional. Similarly in the last column write T if a requirement is Testable & write NT if a requirement is not testable.

No.	Requirement	F/NF	T/NT
1	System shall allow users to find and view a location on the map.	F	T
2	System shall allow users to pick from the top 3 optimal route choices.	F	T
3	The server shall connect with the Google Maps API for display.	NF	T
4	The system shall be easy to use and understand since we shall be using a user-friendly GUI.	NF	NT
5	The user shall be able to view details about the monthly donation pool i.e. the money accumulated and the time left for the pool to end.	F	T
6	The user shall be able to make payment via the payment gateway they wish to opt	NF	NT
7	The system shall be accessible almost all the time due to the availability of reliable cloud services (provided by google and amazon)	NF	NT
8	The system shall perform fine, due to optimize techniques present in node.js and query optimization available in elastic search.	NF	NT
9	Only the users with the role "site admin" shall view the applicant's verified phone number (Security requirement. Control access to the system)	NF	T
10	The system shall maintain data integrity by frequently taking backups of all updates to the database for every record transaction	NF	NT