Project Design Phase – IIFunctionalRequirements

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| **Date** | 23 October2022 |
| **TeamID** | PNT2022TMID48131 |
| **Project Name** | InventoryManagementSystemforRetailers |
| **MaximumMarks** | 4 Marks |

# FunctionalRequirements:

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| **FR.**  **No.** | **FunctionalRequirement(Epic)** | **SubRequirement(Story/Sub-Task)** |
| FR-1 | UserRegistration | Registrationthroughregistrationform.  RegistrationthroughOne-TapGoogleSign-in. |
| FR-2 | User Authentication andConfirmation | AuthenticationviaGoogleAuthentication.  ConfirmationviaEmail.ConfirmationviaOTP. |
| FR-3 | Productmanagement | Quicklyproducereports forsingleormultipleproducts.  Trackinformationofdeadandfast-movingproducts.  Trackinformationofsuppliersandmanufacturersoftheproduct. |
| FR-4 | AuditMonitoring | Thetechniqueoftrackingcrucialdataisknownasaudittracking.  Monitor the financial expenses carried outthroughoutthewholetime(fromreceivingorder of the product to delivery of theproduct). |
| FR-5 | HistoricalData | Dataofeverythingshouldbestoredforanalytics andforecasting. |

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| FR–6 | CRM(CustomerRelationshipManagement) | Trackthecustomerexperienceviaratingsgivenbythem.  Getcustomerreviewsregularlyoratleastatthe time of product delivery to work oncustomersatisfaction.  User-friendlyGUItoincreasethecustomerbasefromonlytechiestonormalpeople. |
| FR-7 | SecurityPolicy | Userdatacollectedmustbeassecureaspossible.  User data must not be misused. They canonlybeusedforuserpreferredadvertisingpurposes. |

# Non-FunctionalRequirements:

Thenon-functionalrequirementsoftheproposedsolutionareasfollows,

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| **FR**  **No.** | **Non-FunctionalRequirement** | **Description** |
| NFR-1 | Usability | TheUIshouldbeaccessibletoeverybodydespite oftherediversityinlanguages.  People with some impairments should also beabletousetheapplicationwithease.(Example,integrate google assistant so that blind peoplecanuseit).  . |
| NFR-2 | Security | The security requirements deal with the primarysecurity.Onlyauthorizeduserscanaccessthesystemwiththeircredentials.  Administratorortheconcernedsecurityteamshouldbe alerted on any unauthorized access or databreachessoastorectifyitimmediately. |
| NFR-3 | Reliability | The software should be able to connect to thedatabaseintheeventof theserverbeingdownduetoahardwareorsoftwarefailure. |

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|  |  | The users must me intimated by the periodicmaintenancebreakofthe serverso thattheywillbe awareofit. |
| NFR-4 | Performance | Performanceoftheappshouldbereliablewithhigh-end servers on which the software isrunning. |
| NFR-5 | Availability | The software should be available to the users 24/7withallfunctionalitiesworking.  Newmoduledeploymentshouldnotimpacttheavailability ofexistingmodules andtheirfunctionalities. |
| NFR-6 | Scalability | Thewholesoftwaredeployedmustbeeasilyscalableasthecustomerbaseincreases. |