ProjectDesignPhase-II

SolutionRequirements(Functional&Non-functional)

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| Date | 23June2025 |
| TeamID | LTVIP2025TMID60646 |
| ProjectName | Visualizinghousemarkettrends:ananalysisnof  scalespricesandfeacturesusingtableau |
| MaximumMarks | 4Marks |

# FunctionalRequirements:

Followingarethefunctionalrequirementsoftheproposedsolution.

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| **FRNo.** | **FunctionalRequirement(Epic)** | **SubRequirement(Story/Sub-Task)** |
| FR-1 | UserRegistration | Registration through Form Registration through Gmail RegistrationthroughLinkedIN |
| FR-2 | UserConfirmation | ConfirmationviaEmail  ConfirmationviaOTP |
| FR-3 | DataUpload&Processing | Uploadhousingdataset(CSV,Excel)   * Datacleaningandpreparation * Automappingoffeatures |
| FR-4 | DashboardVisualizations | * Salespriceanalysisbyyear,location,housecondition * Filters |
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# Non-functionalRequirements:

Followingarethenon-functionalrequirementsoftheproposedsolution.

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| **FRNo.** | **Non-FunctionalRequirement** | **Description** |
| NFR-1 | **Usability** | Interfacemustbesimple,intuitive,anduser-friendly to support non-technical users. |
| NFR-2 | **Security** | All user data and uploaded files should be encrypted.Secureloginandauthenticationmustbe enforced |
| NFR-3 | **Reliability** | Thedashboardmustfunctionconsistentlywithout  crashes,evenwithlargedatasets. |
| NFR-4 | **Performance** | Visualizationsshouldloadwithin5secondsfor smooth interaction. |
| NFR-5 | **Availability** | Thesolutionshouldensure99.9%uptimeandbe accessible 24/7 |

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| NFR-6 | **Scalability** | Systemshouldsupportincreasingnumbersofusers and growing data volumes without performance issues. |