Project Design Phase-II TechnologyStack(Architecture&Stack)

|  |  |
| --- | --- |
| Date | 25thjuly2025 |
| TeamID | PNT2025TMID09231 |
| ProjectName | visualizinghousingmarkettrends:ananalysisof sale prices and features using tableau |
| MaximumMarks | 4 Marks |

**Table-1:Components&Technologies:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Component** | **Description** | **Technology** |
| 1. | UserInterface | Web-baseddashboardsforviewingandinteraction | TableauPublic |
| 2. | ApplicationLogic-1 | Datapreprocessingandtransformationworkflows | TableauPrepBuilder |
| 3. | ApplicationLogic-2 | Interactivityusingfilters,parameters,andactions | TableauFilters,Parameters,Actions |
| 4. | Dashboard/StoryLogic | Logicalflowofinsightsusingstoryfeatures | TableauStoryFeature |
| 5. | DataSource | Flatfilesusedashousingmarketdatasets | CSV |
| 6. | FileStorage | Housingdatasetsstoredlocally | LocalFileSystem/GoogleDrive |

**Table-2:ApplicationCharacteristics:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Characteristics** | **Description** | **Technology** |
| 1. | Open-SourceFrameworks | yes | TableauPublic |
| 2. | SecurityImplementations | N/A | N/A |
| 3. | Scalable Architecture | CanscalebypublishingtoTableauCloudfor wider access | TableauPublic |
| 4. | Availability | Dashboardsavailableonline24/7 | TableauPublic |
| 5 | Performance | Good\Betterperformance | TableauPublic |

TechnicalArchitecture:

