**ProjectPlanningPhase**

**ProjectPlanningTemplate(ProductBacklog,SprintPlanning,Stories,Storypoints)**

|  |  |
| --- | --- |
| Date | 25July2025 |
| TeamID | PNT2025TMID09231 |
| ProjectName | VisualizingHousingMarketTrends:AnAnalysis of Sale Prices and Features using Tableau |
| MaximumMarks | 5Marks |

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Usethebelowtemplatetocreateproductbacklogandsprintschedule

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement(Epic)** | **UserStory Number** | **UserStory/Task** | **StoryPoints** | **Priority** | **Team Members** |
| Sprint-1 | DataCollection& Extraction | USN-1 | Asauser,Icancollecthousingmarketdatafrom reliablesources,includingprices,propertytypes, and trend. | 2 | High | 2 |
| Sprint-1 | DataPreprocessing | USN-2 | Asauser,Icanpreprocessdatatocleanand filter out unnecessary information, such as outliers, duplicates, or missing values | 3 | High | 2 |
| Sprint-2 | DataVisualization | USN-3 | As a user, I can visualize housing trends using charts,graphs,andheatmapstounderstandthe currentmarketdynamicsandpricingfluctuations | 3 | High | 1 |
| Sprint-2 | InteractiveDashboard | USN-4 | As a user, I can interact with a dashboard that displays live market trends, data filters, and performanceinsightsforbetterdecision-making | 2 | High | 1 |
| Sprint-3 | User Stories (DashboardViews) | USN-5 | As a user, I can set custom views of the dashboardtosavepreferencesforquickfuture reference(e.g.,specificlocations, budget, etc.) | 3 | Medium | 2 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement(Epic)** | **UserStory Number** | **UserStory/Task** | **StoryPoints** | **Priority** | **Team Members** |
| Sprint-3 | WebIntegration | USN-6 | Asauser,Icanintegratethedashboardand data visualizations into a website for online  accessibilityandusability | 2 | Medium | 1 |

ProjectTracker,Velocity&BurndownChart:(4Marks)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **TotalStory Points** | **Duration** | **SprintStartDate** | **SprintEndDate (Planned)** | **StoryPoints Completed (ason PlannedEndDate)** | **SprintReleaseDate (Actual)** |
| Sprint-1 | 5 | 2Days | 18July2025 | 19July2025 | 5 | 19July2025 |
| Sprint-2 | 5 | 3Days | 21July2025 | 23July2025 | 5 | 23July2025 |
| Sprint-3 | 5 | 2Days | 24July2025 | 25July2025 | 5 | 25July2025 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Velocity:

Imaginewehavea10-daysprintduration,andthevelocityoftheteamis20(pointspersprint).Let’scalculatetheteam’saveragevelocity(AV)per iteration unit (story points per day)

***AV=15/3=5***

BurndownChart:

Aburndownchartisagraphicalrepresentationofworklefttodoversustime.Itisoftenusedinagile[softwaredevelopment](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/)methodologiessuch as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). However, burn down charts can be applied to any project containing measurable progress overtime.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/><https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management><https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software><https://www.atlassian.com/agile/tutorials/epics><https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation><https://www.atlassian.com/agile/tutorials/burndown-charts>