

**ProjectPlanningPhase**

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

Date

Team ID Project Name

MaximumMarks

24june205

LTVIP2025TMID60646

VisualizingHousingMarketTrendsAnAnalysisofSalePricesandFeaturesusingTableau

5Marks

**ProductBacklog,SprintSchedule,andEstimation(4Marks)**

Usethebelowtemplatetocreateproductbacklogandsprintschedule

Sprint

Sprint-1

Sprint-1

Sprint-1

Sprint-1

Sprint-2

Sprint-2

Sprint-2

Sprint-2

FunctionalRequirement (Epic)

DataCollection

DataCollection

DataPreprocessing

DataPreprocessing

ModelBuilding

ModelBuilding

Deployment

Deployment

UserStoryNumber

USN-1

USN-2

USN-3

USN-4

USN-5

USN-6

USN-7

USN-8

UserStory/Task

Asauser,Iwantto collect the housing datasetforanalysis.

Asauser,Iwanttoload thedatasetintoTableau.

As a user, I want to handlemissingvaluesin the dataset to ensure dataquality.

As a user, I want to transformcategorical variables to usable format.

Asauser,Iwanttobuild a model to predict housingprices.

Asauser,Iwanttotest themodelwithrealdata to ensure its accuracy.

Asauser,Iwantworking HTML pages to present myfindings.

As a user, I want to deploy the model and dashboardusingFlask.

Story Points

2

1

3

2

5

3

3

5

Priority

High

High

Medium

Medium

High

Medium

Medium

High

TeamMembers

Divya

Ayesha

Harini

Shailu

Ayesha

Divya

Sharmila

Ayesha

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| --- | --- | --- | --- | --- | --- | --- |
| SPRINT | FUNCTIONAL REQUIREMENT (EPIC) | USER STORY NUMBER | USER STORY? TASK | STORY POINT | PRIORITY | TEAM MEMBER |
| SPRINT-1 | DATA COLLETION | USN-1 |  | 2 | HIGH | SATISH KUMAE |
| SPRINT-1 | DATA COLLETION | USN-2 |  | 1 | HIGH | SATISH KUMAE |
| SPRINT-1 | DAATA PROCESSING | USN-3 |  | 3 | MEDIUM | SATISH KUMAE |
| SPRINT-1 | DAATA PROCESSING | USN-4 |  | 2 | MEDIUM | SATISH KUMAE |
| SPRINT-2 | MODEL BULDING | USN-5 |  | 5 | HIGH | SATISH KUMAE |
| SPRINT-2 | MODEL BULDING | USN-6 |  | 3 | MEDIUM | SATISH KUMAE |
| SPRINT-2 | DEPLOYMENT | USN-7 |  | 3 | MEDIUM | SATISH KUMAE |
| SPRINT-2 | DEPLOYMENT | USN-8 |  | 5 | HIGH | SATISH KUMAE |

# ProjectTracker,Velocity&BurndownChart:(4Marks)

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**Velocity:**

Sprint

Sprint-1

Sprint-2

TotalStoryPoints

8

16

Duration

5Days

5Days

SprintStartDate

1Jul2025

6Jul2025

SprintEndDate (Planned)

5Jul2025

10Jul2025

StoryPoints Completed(ason PlannedEndDate)

8

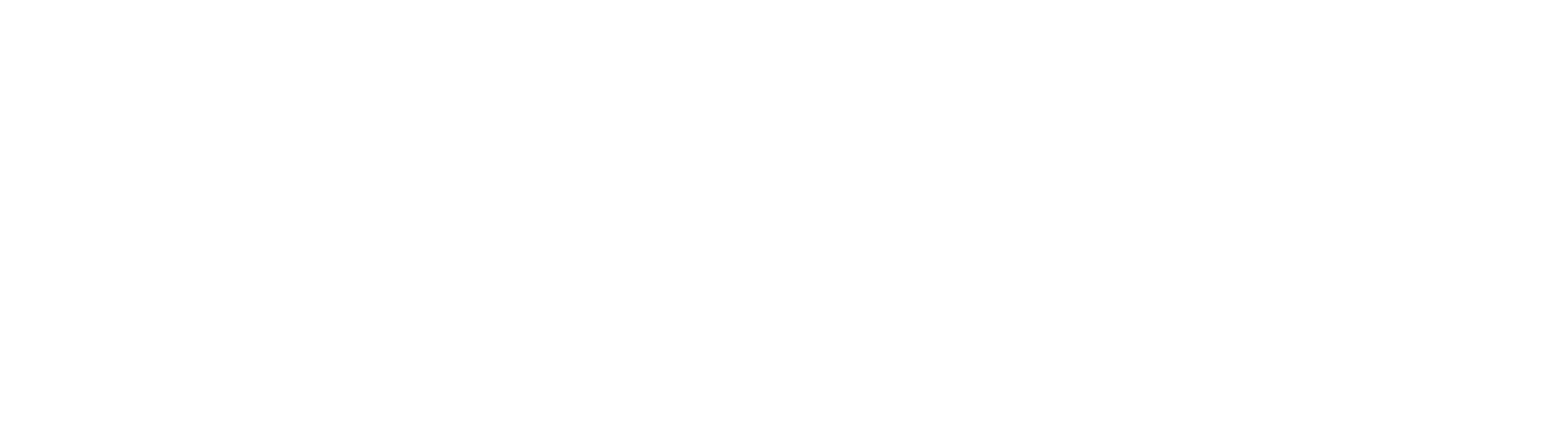
16

SprintReleaseDate (Actual)

5Jul2025

10Jul2025

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

VelocityCalculation

Velocity=Total Story PointsNumber ofSprints=242=12 Story Points/Sprint\text{Velocity} = \frac{\text{Total Story Points}}{\text{Number ofSprints}} =

\frac{24}{2} = 12 \text{ Story Points/Sprint}Velocity=Number ofSprintsTotal Story Points=224=12 Story Points/Sprint Average Velocity (AV)=Sprint DurationVelocity=1012≈0.83 (Story Points/Day)\text{Average Velocity (AV)} =

\frac{\text{Sprint Duration}}{\text{Velocity}} = \frac{10}{12} \approx 0.83 \text{ (Story Points/Day)}Average Velocity (AV)=VelocitySprint Duration=1210≈0.83 (Story Points/Day)

# BurndownChart:

A[burn dow](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/)n chart is a graphical representation of work left to do versus time. It is often used in agil[e software development](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such 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 over time.

Burndown Chart Summary Sprint-1Start:8storypoints

Sprint-1End:0storypointsremaining Sprint-2 Start: 16 story points

Sprint-2End:0storypointsremaining

The burndownchartwillshow asteadydeclinefrom 24→0over10 days,with~2.4story pointscompletedperday.