# Planning Logic – Smart Sorting

A Sprint is a fixed period in which the team works to complete selected tasks. In this Smart Sorting project, tasks are distributed across two main Sprints.

An Epic represents a large feature such as Data Preprocessing, Model Building, or Deployment. Each Epic is broken into smaller User Stories.

A Story is a smaller, manageable task derived from an Epic. Each Story is estimated in terms of Story Points using the Fibonacci sequence to reflect complexity.

Effort Estimation Scale (Story Points):  
- Very Easy: 1  
- Easy: 2  
- Moderate: 3  
- Hard: 5+

## Sprint 1: (5 Days)

Data Acquisition and Preprocessing

- Collect Diverse Fruit and Vegetable Images (2)

- Label and Annotate Data (2)

- Image Augmentation and Resizing (3)

- Handle Class Imbalance and Clean Dataset (3)

## Sprint 2: (5 Days)

Model and Deployment

- Load Pre-trained Model and Customize Layers (3)

- Train & Evaluate Model Accuracy (5)

- Save Model and Integrate with Flask App (3)

- Build Basic Web UI for Upload & Prediction (5)

## Story Point Summary

Sprint 1 = 10 points

Sprint 2 = 16 points

Total = 26 points

Velocity = Total Story Points / No. of Sprints = 26 / 2 = 13 points per sprint