Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	24-10-2023
Team ID	Team-591001
Project Name	Money Matters: A Personal Finance Management App
Maximum Marks	20 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	1	High	Yash
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Nikhil
Sprint-2	Login	USN-3	As a user, I can log into the application by entering email & password	1	Low	Nikhil
Sprint-3	Passwords	USN-4	As a user, I should receive a verification code for a new password.	3	Medium	Yash

Sprint-4		USN-5	As a user, I want to be able to create a budget for my expenses	4	High	Dharya
Sprint-4		USN-6	As a user, I want to track my daily expenses and income.	4	High	Dharya
Sprint-4		USN-7	As a user, I want to set financial goals and monitor my progress	4	Medium	Rohit
Sprint-5		USN-8	As a user, I want to receive a monthly financial summary via this project.	2	Low	Rohit

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	2	1 Days	13 Oct 2023	13 Oct 2023	20	13 Oct 2023
Sprint-2	1	1 Days	13 Oct 2023	14 Oct 2023		
Sprint-3	3	2 Days	14 Oct 2023	15 Oct 2023		
Sprint-4	12	5 Days	15 Oct 2023	19 Oct 2023		
Sprint-5	2	2 Days	19 Oct 2023	20 Oct 2023		

Velocity:

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Imagine we have a 11-days 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)

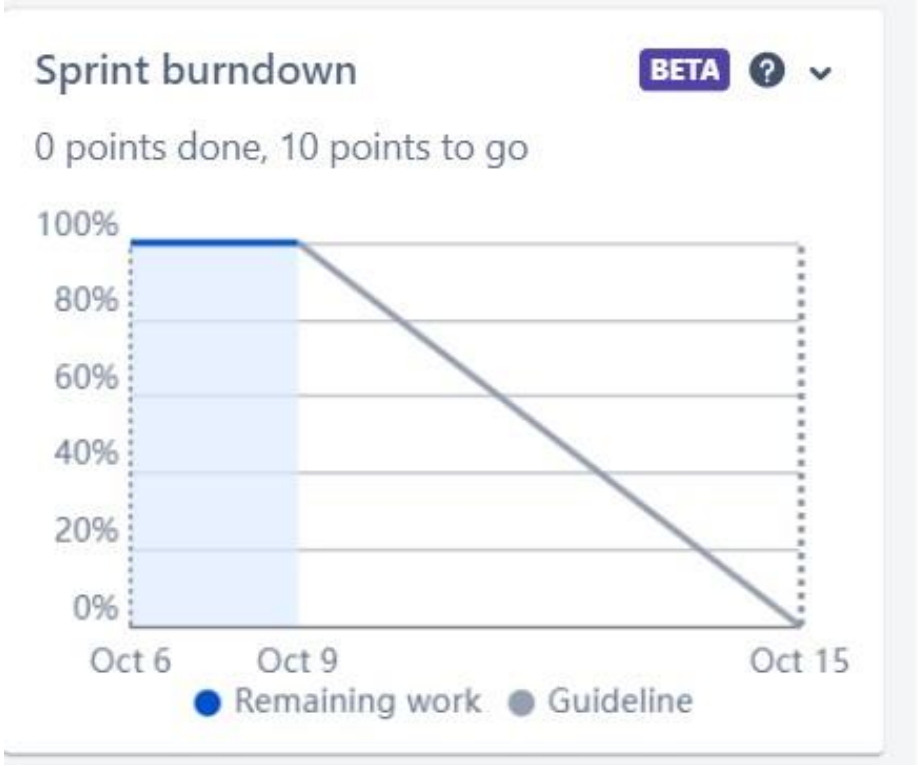
AV= 11/20 = 0.55

Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

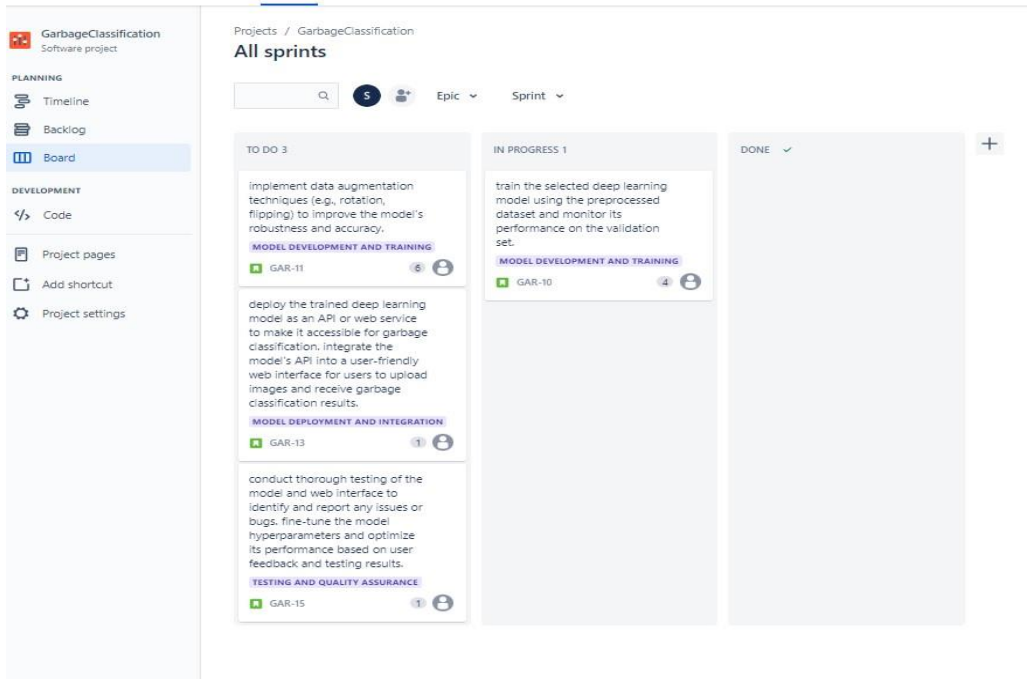
https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.atlassian.com/agile/tutorials/burndown-charts

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
Burndown Chart:

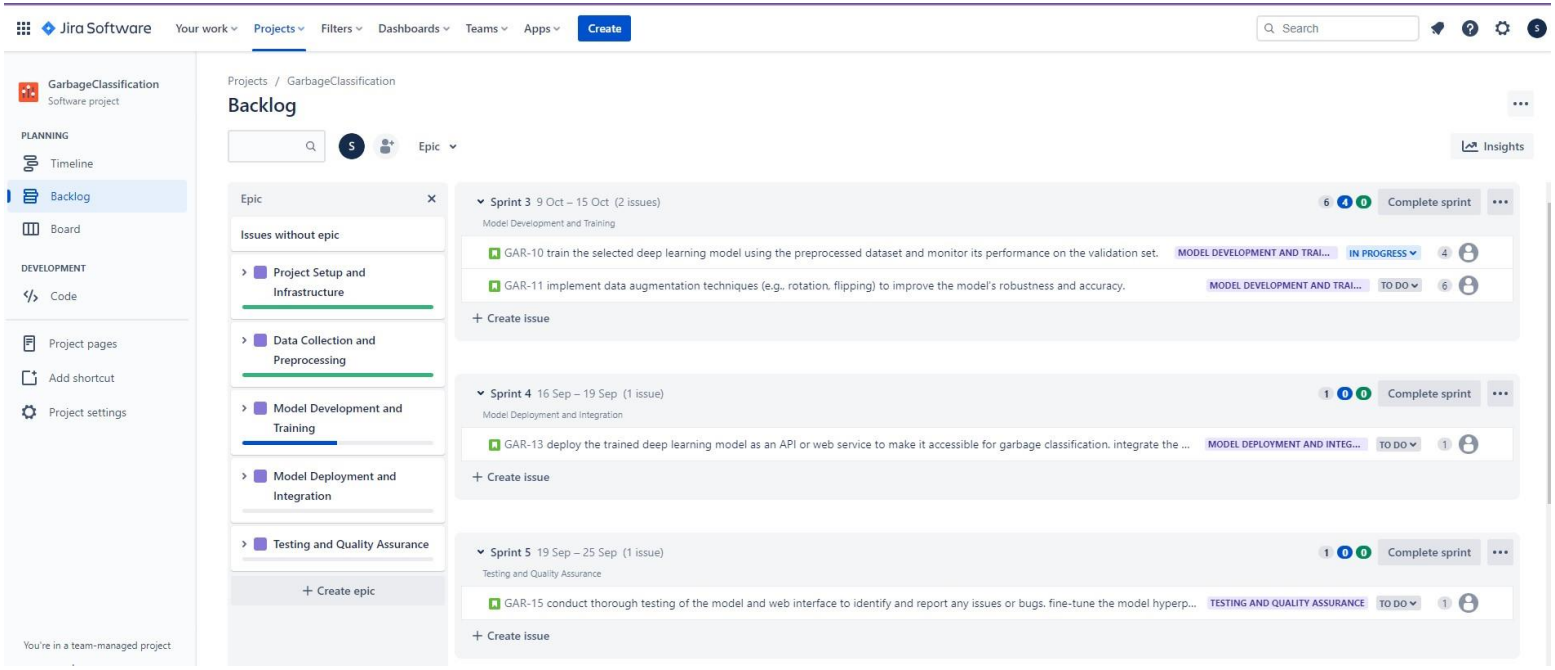


Board section.

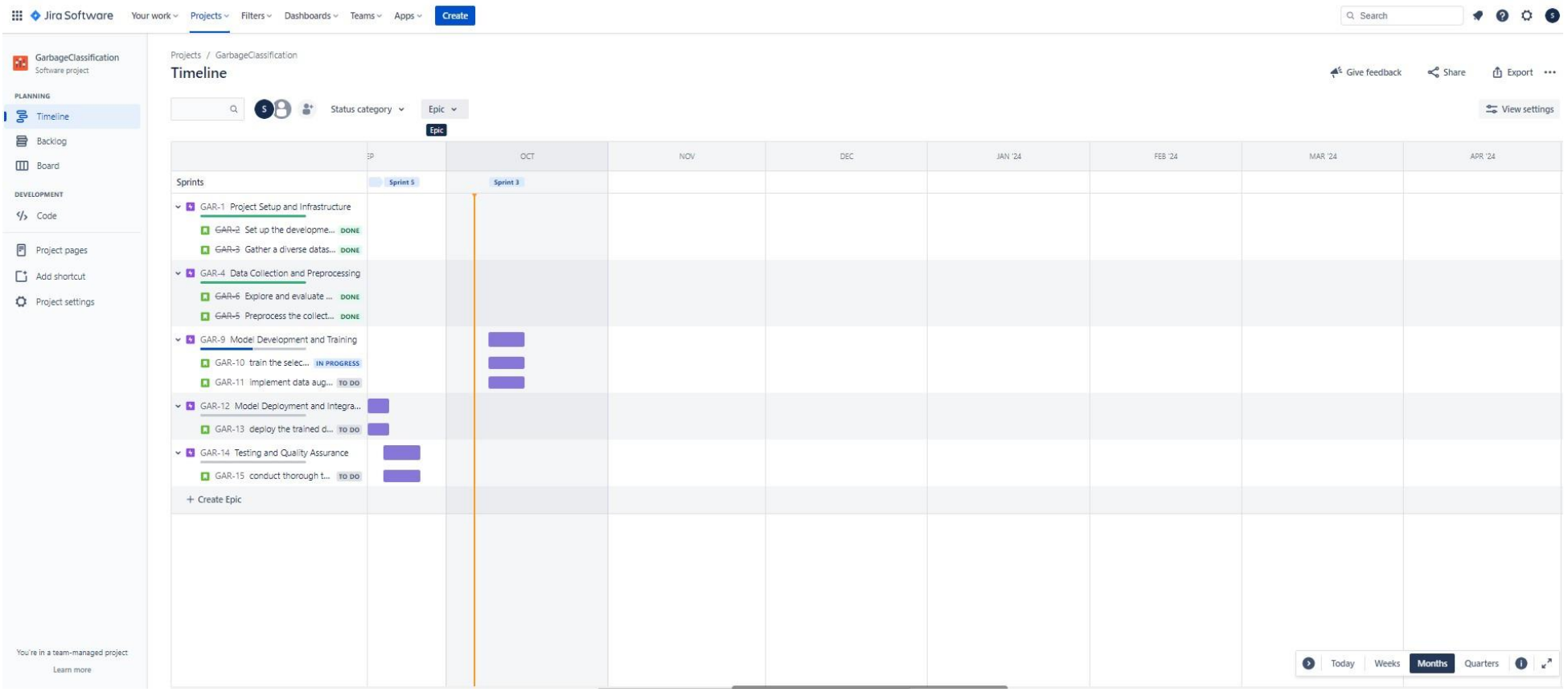
We have completed sprint 1 and 2. So we can see the remaining tasks on board.



Backlog section


Jira Software
Your work
Projects
Filters
Dashboards
Teams
Apps
Create
Search
GarbageClassification
Software project
PLANNING
Timeline
Backlog
Board
DEVELOPMENT
Code
Project pages
Add shortcut
Project settings
You're in a team-managed project
Projects / GarbageClassification
Backlog
Epic
Insights
Epic
Issues without epic
Project Setup and Infrastructure
Data Collection and Preprocessing
Model Development and Training
Model Deployment and Integration
Testing and Quality Assurance
Create epic
Sprint 3 9 Oct – 15 Oct (2 issues)
Model Development and Training
Complete sprint
GAR-10 train the selected deep learning model using the preprocessed dataset and monitor its performance on the validation set.
MODEL DEVELOPMENT AND TRAI...
IN PROGRESS
GAR-11 implement data augmentation techniques (e.g., rotation, flipping) to improve the model's robustness and accuracy.
MODEL DEVELOPMENT AND TRAI...
TO DO
Create issue
Sprint 4 16 Sep – 19 Sep (1 issue)
Model Deployment and Integration
Complete sprint
GAR-13 deploy the trained deep learning model as an API or web service to make it accessible for garbage classification. integrate the ...
MODEL DEPLOYMENT AND INTEG...
TO DO
Create issue
Sprint 5 19 Sep – 25 Sep (1 issue)
Testing and Quality Assurance
Complete sprint
GAR-15 conduct thorough testing of the model and web interface to identify and report any issues or bugs. fine-tune the model hyperp...
TESTING AND QUALITY ASSURANCE
TO DO
Create issue

Timeline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OCT
NOV
DEC
JAN '24
FEB '24
MAR '24
APR '24
Sprints
Sprint 5
Sprint 3
GAR-1 Project Setup and Infrastructure
GAR-2 Set up the developme... DONE
GAR-3 Gather a diverse datas... DONE
GAR-4 Data Collection and Preprocessing
GAR-6 Explore and evaluate ... DONE
GAR-5 Preprocess the collect... DONE
GAR-9 Model Development and Training
GAR-10 train the selec... IN PROGRESS
GAR-11 Implement data aug... TO DO
GAR-12 Model Deployment and Integra...
GAR-13 deploy the trained d... TO DO
GAR-14 Testing and Quality Assurance
GAR-15 conduct thorough t... TO DO
Create Epic
Today
Weeks
Months
Quarters