Project Planning Phase

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

Date	06 November 2023
Team ID	Team-592109
Project Name	Airline Review Classification Using Machine Learning
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	Data Collection	USN-1	Collect a diverse dataset of airline reviews from social media, travel websites, and forums.	5	High	Kumar
Sprint-1	Data Preprocessing	USN-2	Preprocess the collected dataset by cleaning text, tokenizing, and converting it into numerical format.	5	High	Kumar
Sprint-2	Training	USN-3	Train multiple classification models (e.g., Decision Tree, Random Forest, XGBoost) on the preprocessed dataset.	15	Medium	Kumar

Sprint-3	Model Deployment	USN-4	Deploy the best performing model as an API or web service for real-time sentiment analysis.	10	Low	Kumar
Sprint-3	Integration	USN-5	Conduct thorough testing of the deployed model and the web interface for any issues.	5	Medium	Kumar

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	10	5 Days	30 Oct 2023	4 Nov 2023	10	3 Nov 2023
Sprint-2	15	8 Days	3 Nov 2023	11 Nov 2023		
Sprint-3	15	7 Days	11 Nov 2023	18 Nov 2023		

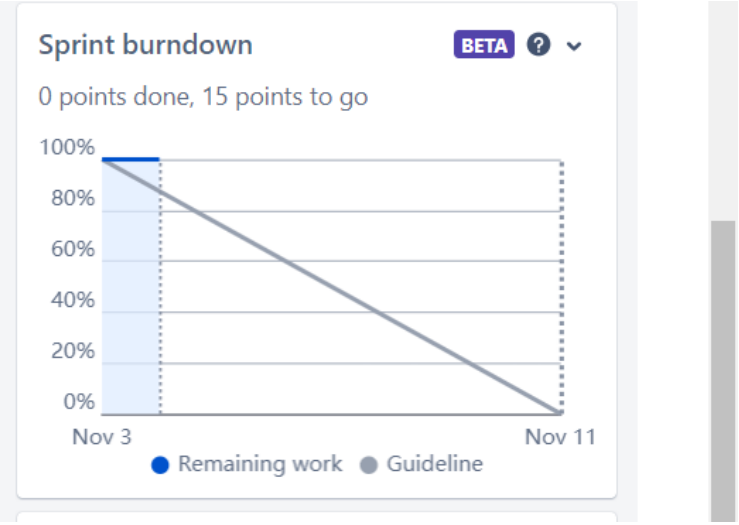
Velocity:
We have a 20-days sprint duration, and the velocity of the team is 15 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

AV = 20/15 =1.33

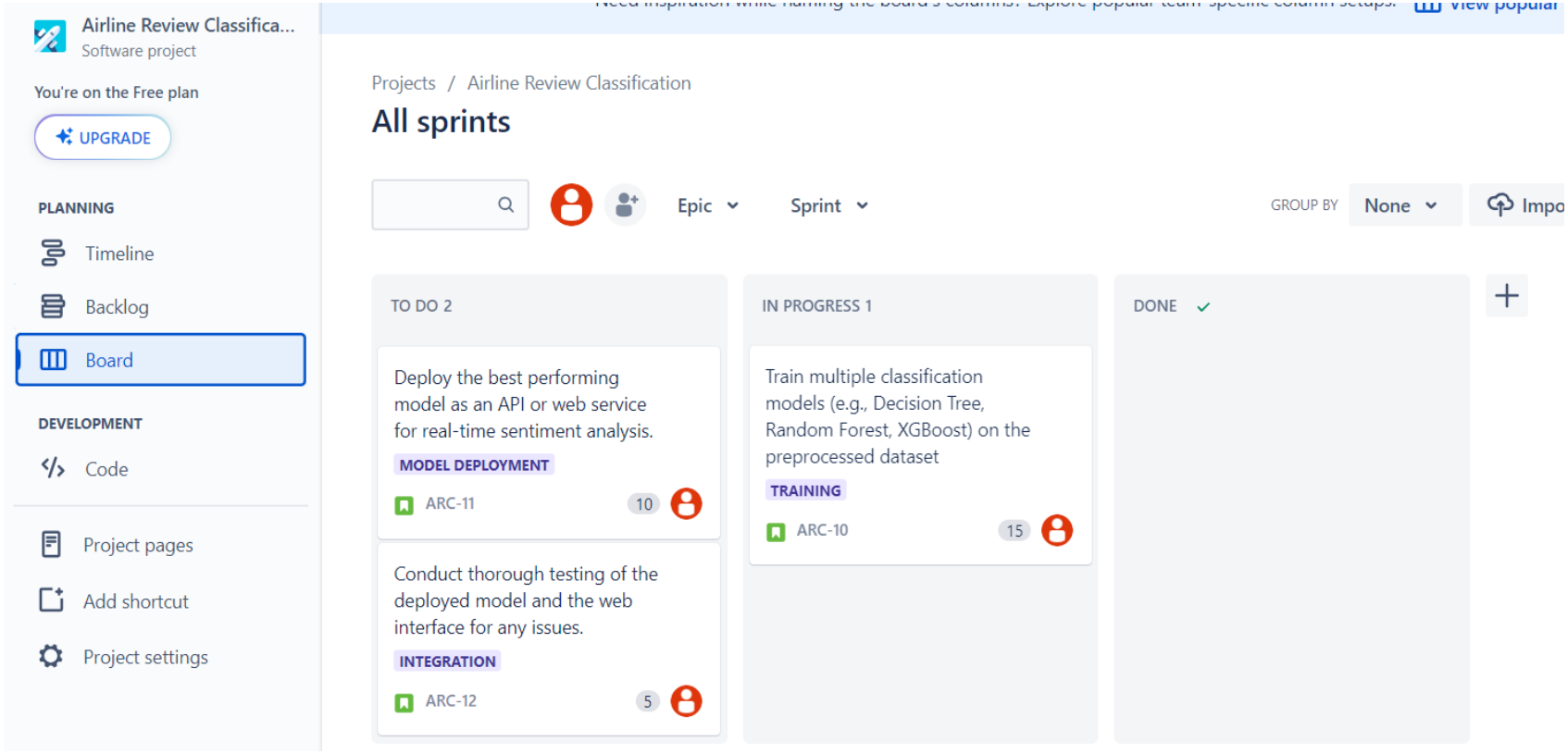
Burndown Chart:

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.

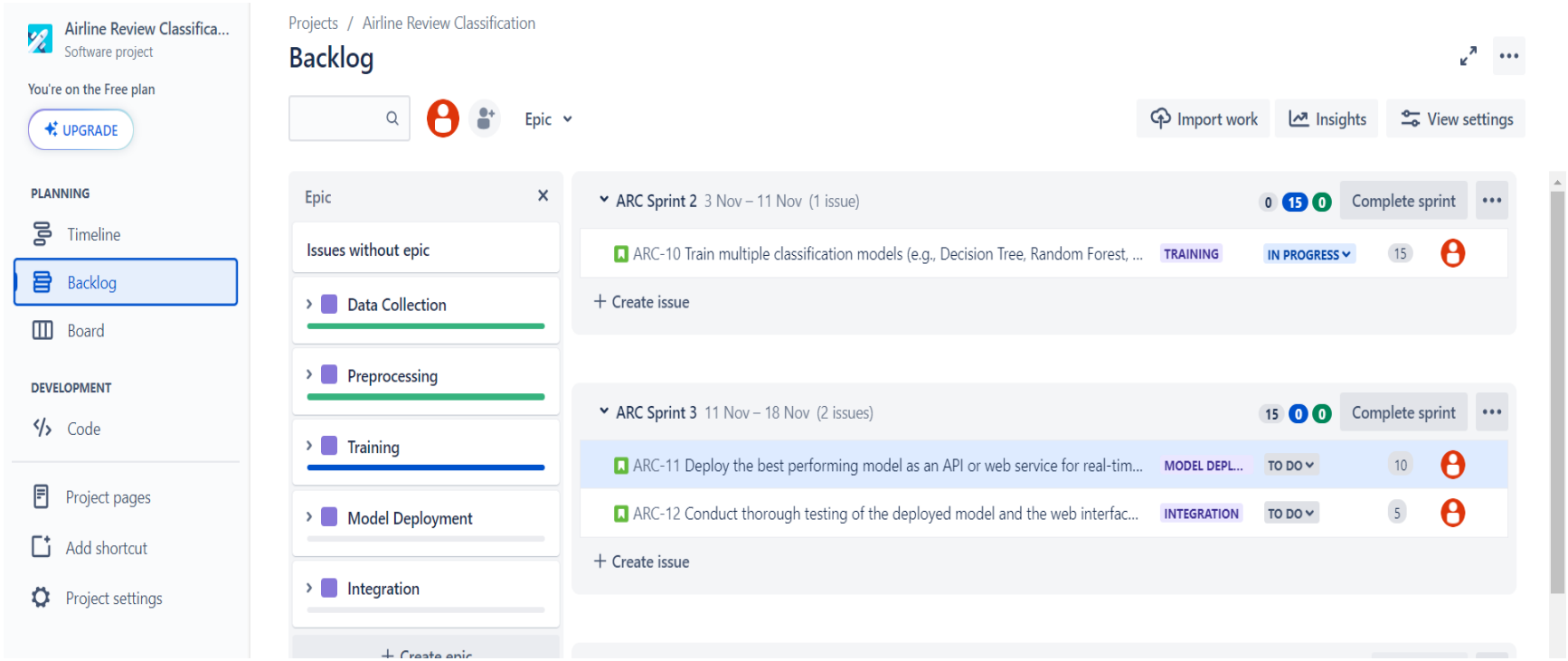


Board section:

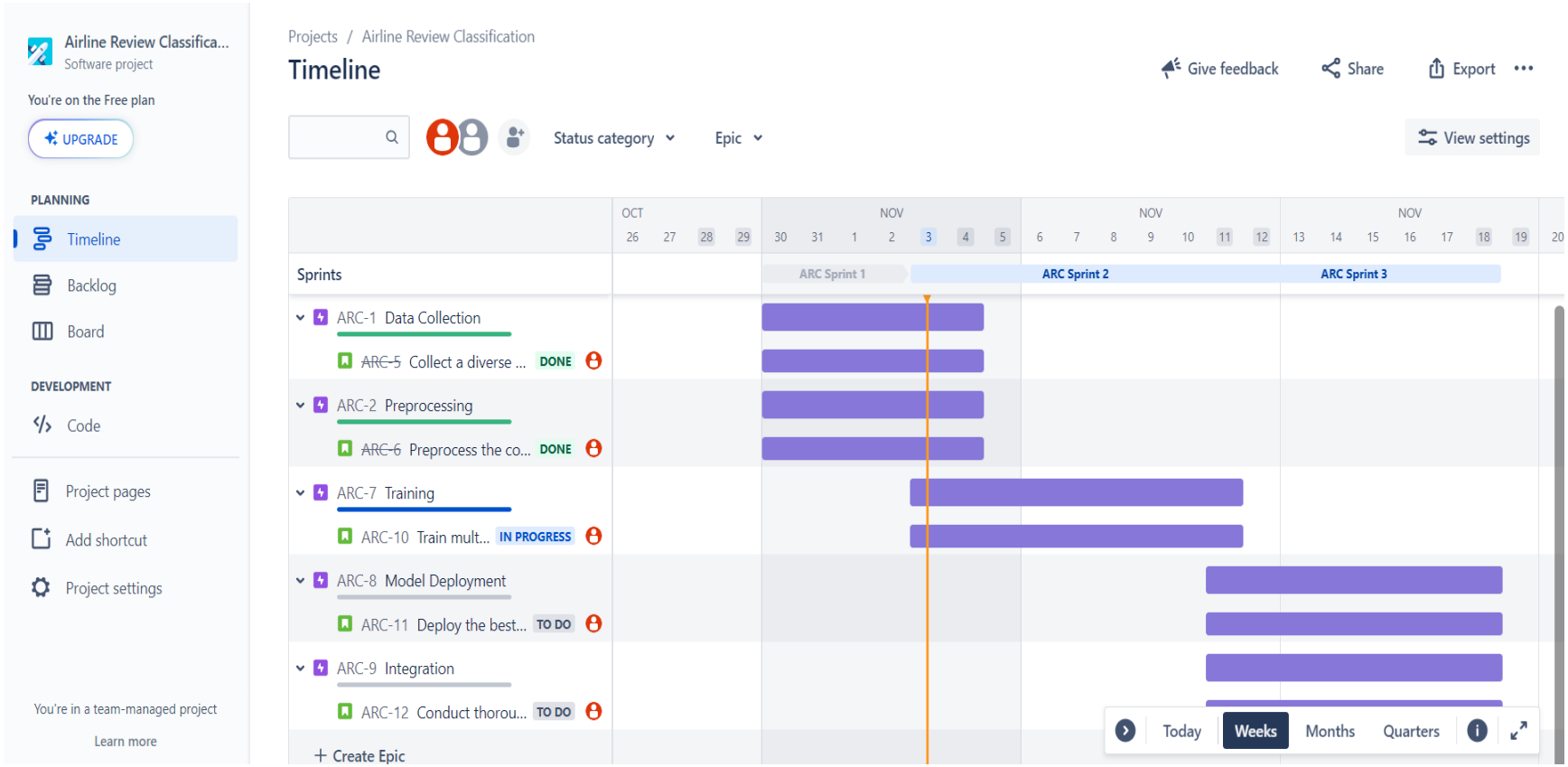
We have completed sprint 1 . So we can see the remaining tasks on board.



Backlog Section:



Timeline:


Airline Review Classifica...
Software project
You're on the Free plan
UPGRADE
PLANNING
Timeline
Backlog
Board
DEVELOPMENT
Code
Project pages
Add shortcut
Project settings
You're in a team-managed project
Learn more
Projects / Airline Review Classification
Timeline
Give feedback
Share
Export
Status category
Epic
View settings
OCT
NOV
NOV
NOV
26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
Sprints
ARC Sprint 1
ARC Sprint 2
ARC Sprint 3
ARC-1 Data Collection
ARC-5 Collect a diverse ... DONE
ARC-2 Preprocessing
ARC-6 Preprocess the co... DONE
ARC-7 Training
ARC-10 Train mult... IN PROGRESS
ARC-8 Model Deployment
ARC-11 Deploy the best... TO DO
ARC-9 Integration
ARC-12 Conduct thorou... TO DO
Create Epic
Today
Weeks
Months
Quarters