Project Planning Phase

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

Date	27-10-2023
Team ID	PNT2022TMID593092
Project Name	Lip Reading with Deep 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	Build Data Loading Functions	USN-1	Creating functions to import and preprocess video data for training a lip-reading model, encompassing steps like downloading video files, extracting relevant frames, and aligning them with corresponding transcriptions.	2	High	Rishabh Sharma
Sprint-2	Creating Dataflow Pipeline	USN-2	Creating a Dataflow pipeline involves structuring a streamlined process for loading, preprocessing, and batching video and alignment data, optimizing it for efficient training of the lip-reading model.	5	High	Aman Barnawal
Sprint-3	Designing of the Deep Neural Network	USN-3	Designing the Deep Neural Network involves specifying the architecture of the model, incorporating Conv3D, LSTM, and other layers, to learn and predict lip movements from video frames for lip-reading.	5	High	Abhigyan Das
Sprint-4	Setup Training Options	USN-4	Setting up training options involves defining parameters such as learning rates, loss functions, and callbacks to configure the training process of the lip-reading model.	4	High	Rishabh Sharma
Sprint-5	Making Predictions	USN-5	Making predictions involves using the trained lip-reading model to translate lip movements into text, offering real-time insights into spoken words from video input.	5	High	Jai Gaurav
Sprint -6	Documentation	USN-6	Documentation provides a comprehensive reference, facilitating understanding, maintenance, and collaboration among rest of the team, ensuring transparency in the codebase, enabling efficient troubleshooting, and aiding future enhancements or modifications.	1	Medium	Abhigyan Das

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	2 Days	27 Oct 2023	28 Oct 2023	2	28 Oct 2023
Sprint-2	5	5 Days	28 Oct 2023	2 Nov 2023	5	2 Nov 2023
Sprint-3	5	6 Days	2 Nov 2023	7 Nov 2023	5	7 Nov 2023
Sprint-4	4	4 Days	7 Nov 2023	10 Nov 2023	4	10 Nov 2023
Sprint-5	5	3 Days	10 Nov 2023	12 Nov 2023	5	12 Nov 2023
Sprint-6	1	2 Days	12 Nov 2023	13 Nov 2023	1	13 Nov 2023

Velocity:

Imagine we have a 29-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)

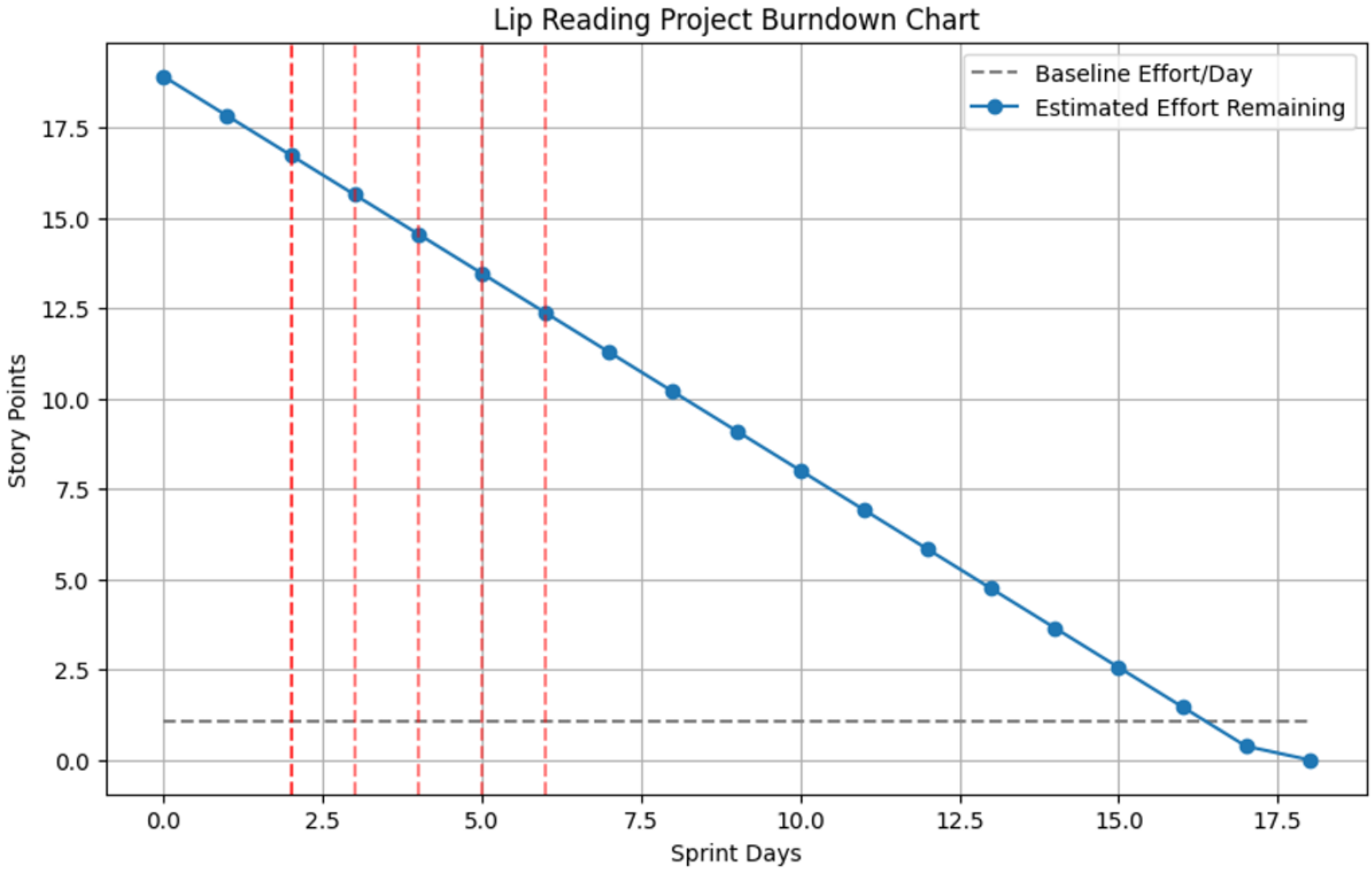
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

AV= 16/10 = 1.6

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.

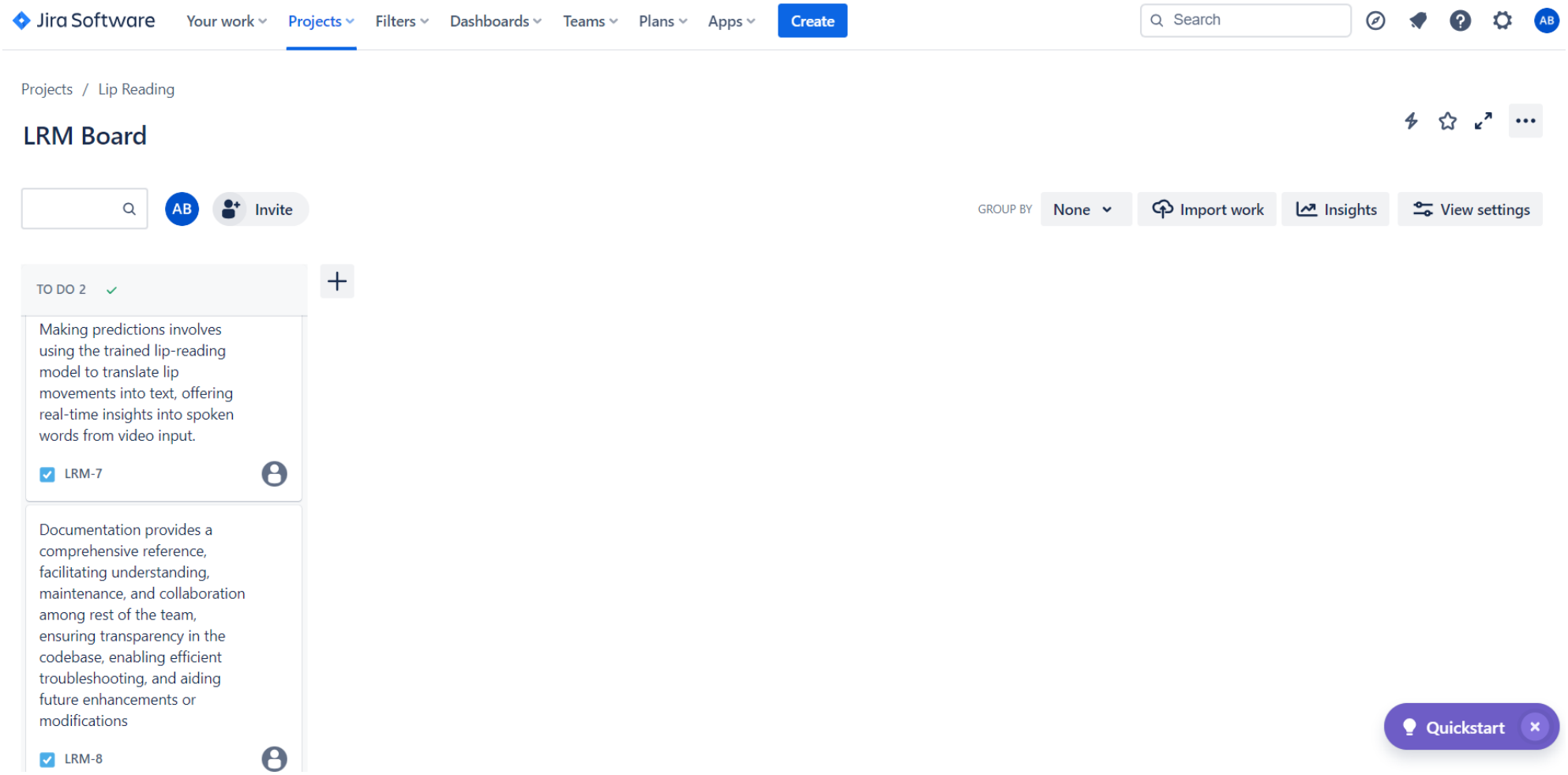
https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.atlassian.com/agile/tutorials/burndown-charts



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

Board:


Jira Software
Your work
Projects
Filters
Dashboards
Teams
Plans
Apps
Create
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AB
Projects / Lip Reading
LRM Board
AB
Invite
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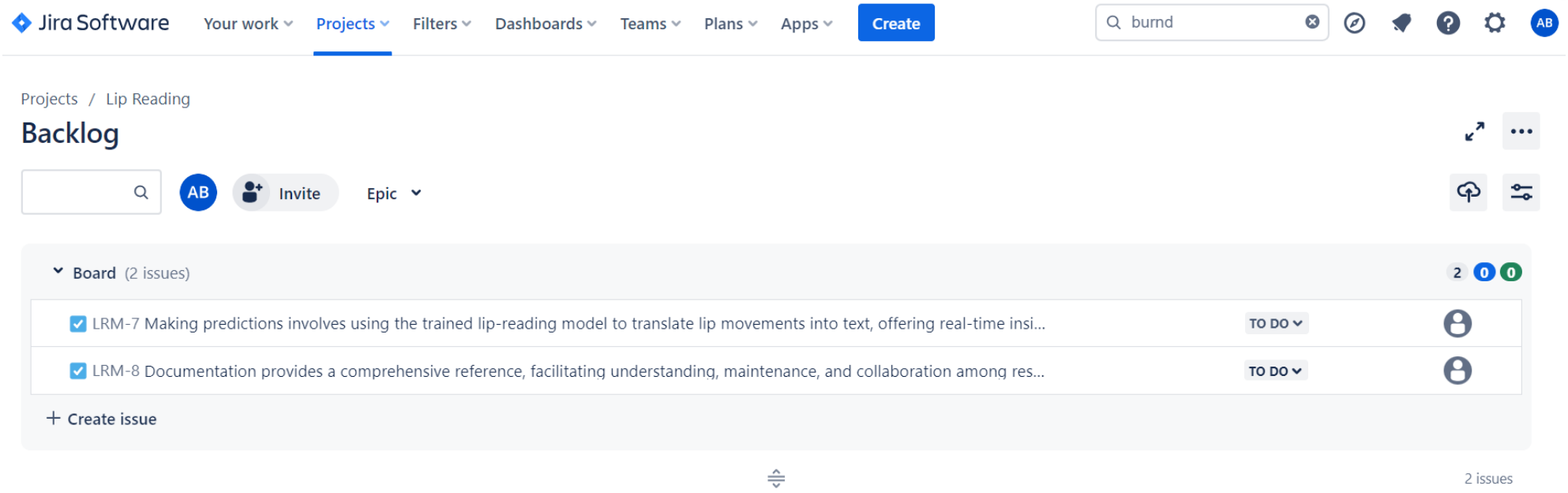
Import work
Insights
View settings
TO DO 2
Making predictions involves using the trained lip-reading model to translate lip movements into text, offering real-time insights into spoken words from video input.
LRM-7
Documentation provides a comprehensive reference, facilitating understanding, maintenance, and collaboration among rest of the team, ensuring transparency in the codebase, enabling efficient troubleshooting, and aiding future enhancements or modifications
LRM-8
Quickstart

Backlog: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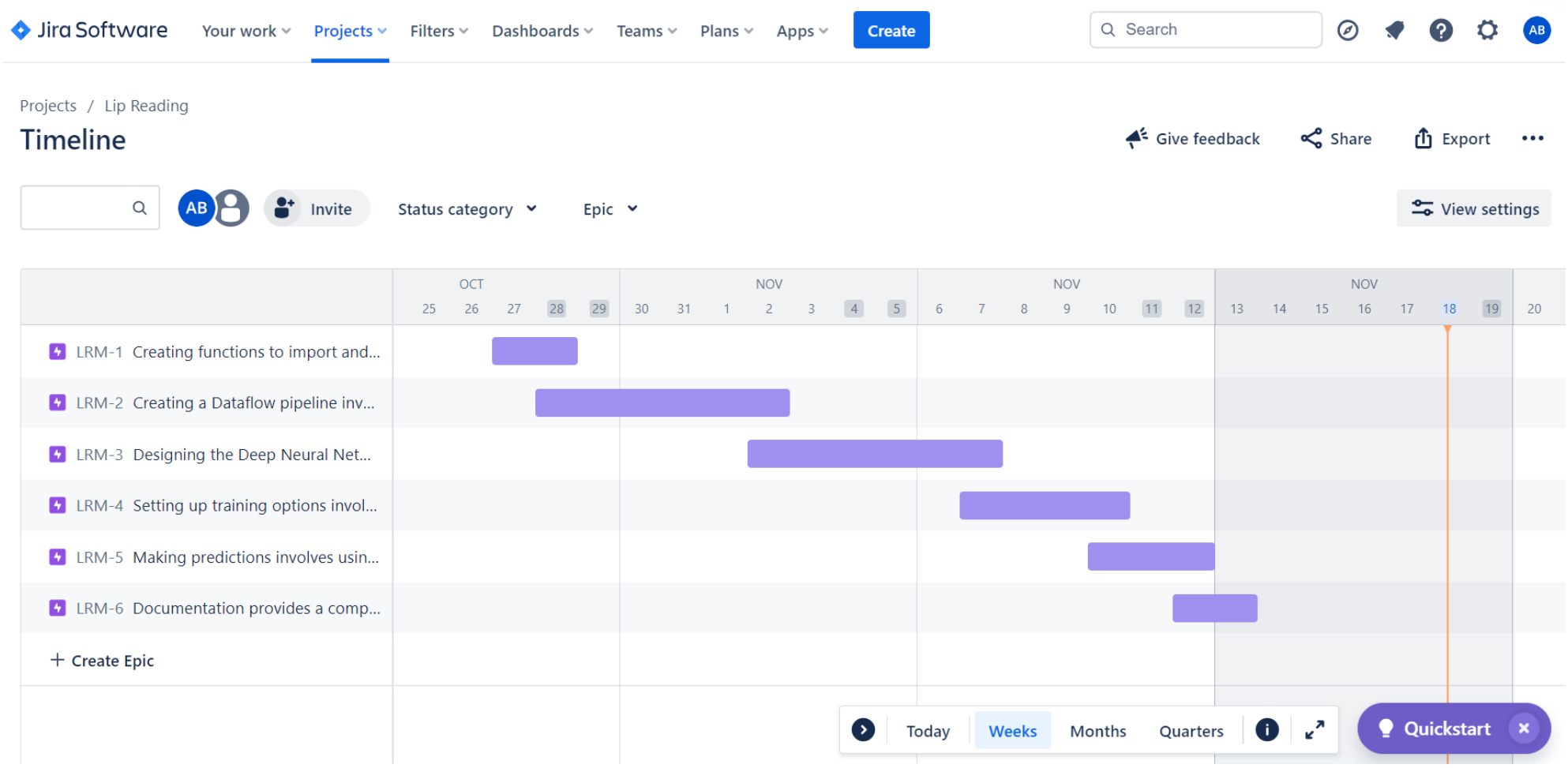
LRM-7 Making predictions involves using the trained lip-reading model to translate lip movements into text, offering real-time insi...
TO DO
LRM-8 Documentation provides a comprehensive reference, facilitating understanding, maintenance, and collaboration among res...
TO DO
Create issue
2 issues

Timeline: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Status category
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25 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
LRM-1 Creating functions to import and...
LRM-2 Creating a Dataflow pipeline inv...
LRM-3 Designing the Deep Neural Net...
LRM-4 Setting up training options invol...
LRM-5 Making predictions involves usin...
LRM-6 Documentation provides a comp...
Create Epic
Today
Weeks
Months
Quarters
Quickstart