Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID24029
Project Name	Exploratory Analysis of Rainfall Data in India for Agriculture
Maximum Marks	8 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	Dataset Analysis	USN-1	Download the weather dataset and analyze it.	1	High	Ismail Kafil
Sprint-1	Dataset preprocessing	USN-2	Examine the dataset and perform preprocessing steps	1	Medium	Fasehiullah
Sprint-2	Model Creation and Training	USN-3	Create a model from the training data	2	Low	Ismail K M
Sprint-2	Registration	USN-4	As a user, I can register for the application.	2	Low	Ijaz z
Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Ismail Kafil
Sprint-3	Dashboard	USN-6	As a user, once I log in, I can view the Rainfall Prediction page	1	High	Fasehiullah
Sprint-3	Predictor	USN-7	As a user, I can specify all the values for prediction and get accurate results	1	High	Ismail K M
Sprint-3	Base Flask App	USN-8	Integrate Flask and the built model	2	High	Ijaz z
Sprint-4	Integration	USN-9	Integrate the app on IBM cloud	2	High	Ismail Kafil
Sprint-4	Help page	USN-10	As a user, I can get directions on how to use the predictor to gain valuable insights	1	Medium	Fasehiullah

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Contact page	USN-11	As a user, I can get my queries clarified by the admin	1	Medium	Ismail K M
Sprint-4	Visualization	USN-12	As a user, I can visualize the data using various plots	2	Medium	Ijaz z

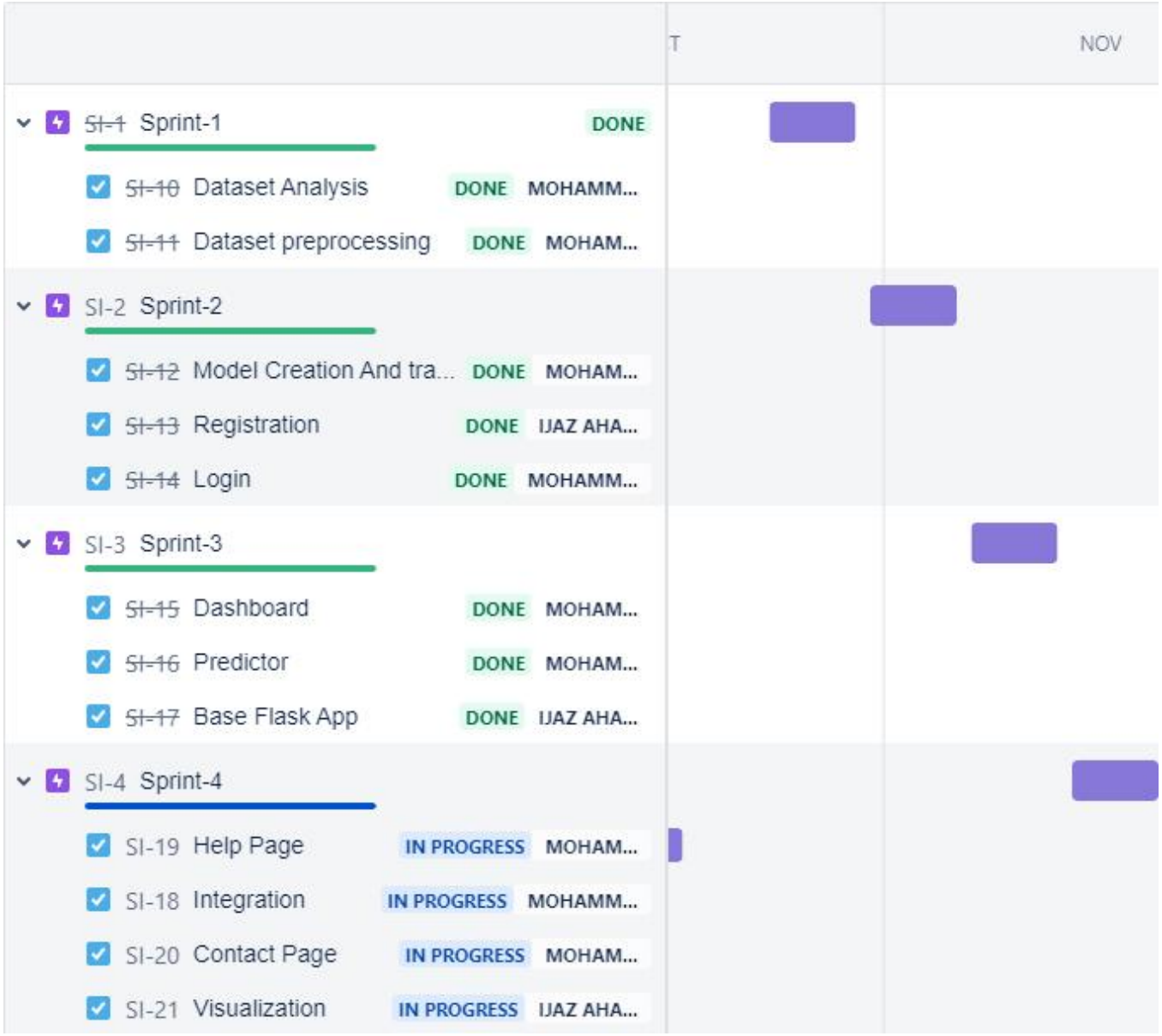
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$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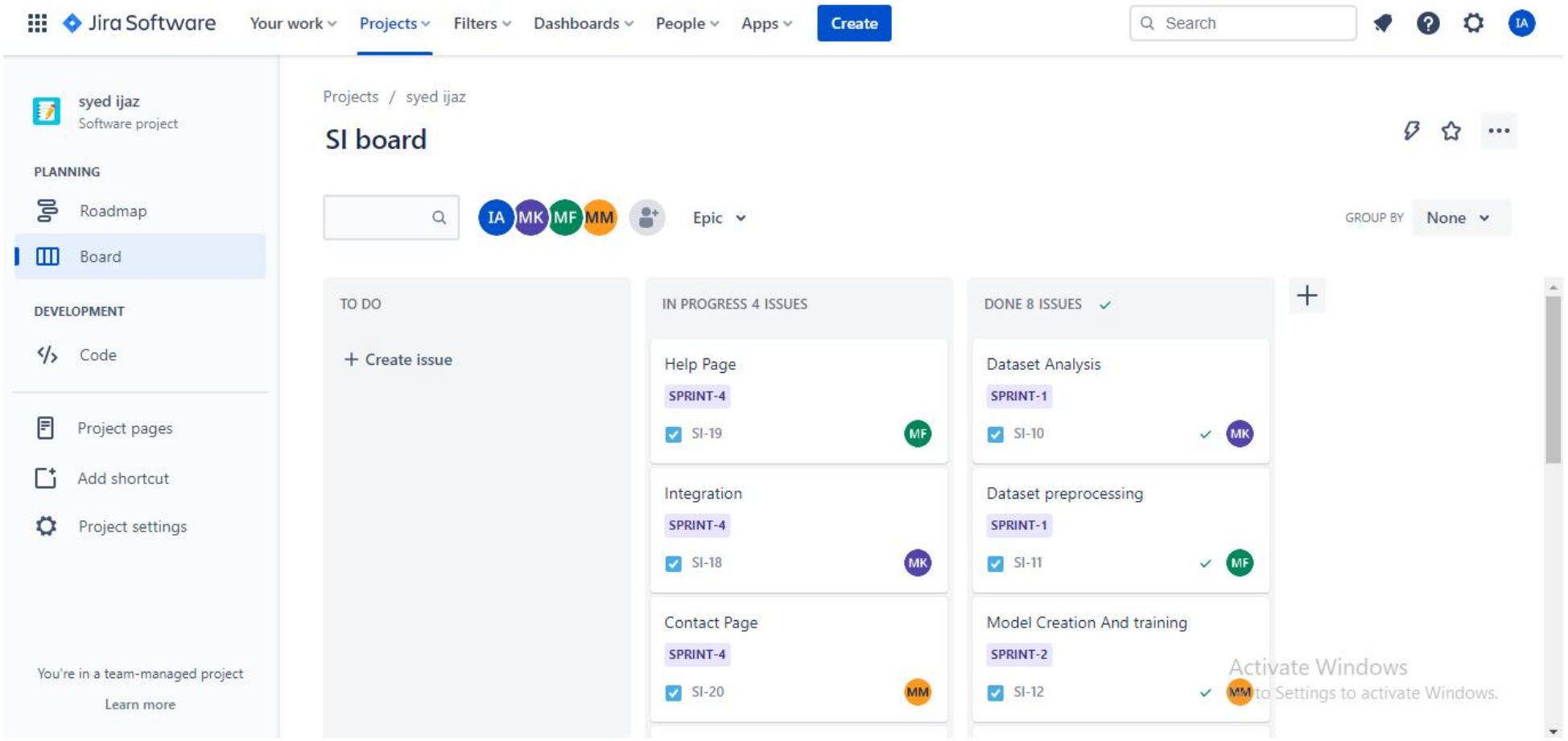
SI-14 Login DONE MOHAMM...
SI-3 Sprint-3
SI-15 Dashboard DONE MOHAM...
SI-16 Predictor DONE MOHAM...
SI-17 Base Flask App DONE IJAZ AHA...
SI-4 Sprint-4
SI-19 Help Page IN PROGRESS MOHAM...
SI-18 Integration IN PROGRESS MOHAMM...
SI-20 Contact Page IN PROGRESS MOHAM...
SI-21 Visualization IN PROGRESS IJAZ AHA...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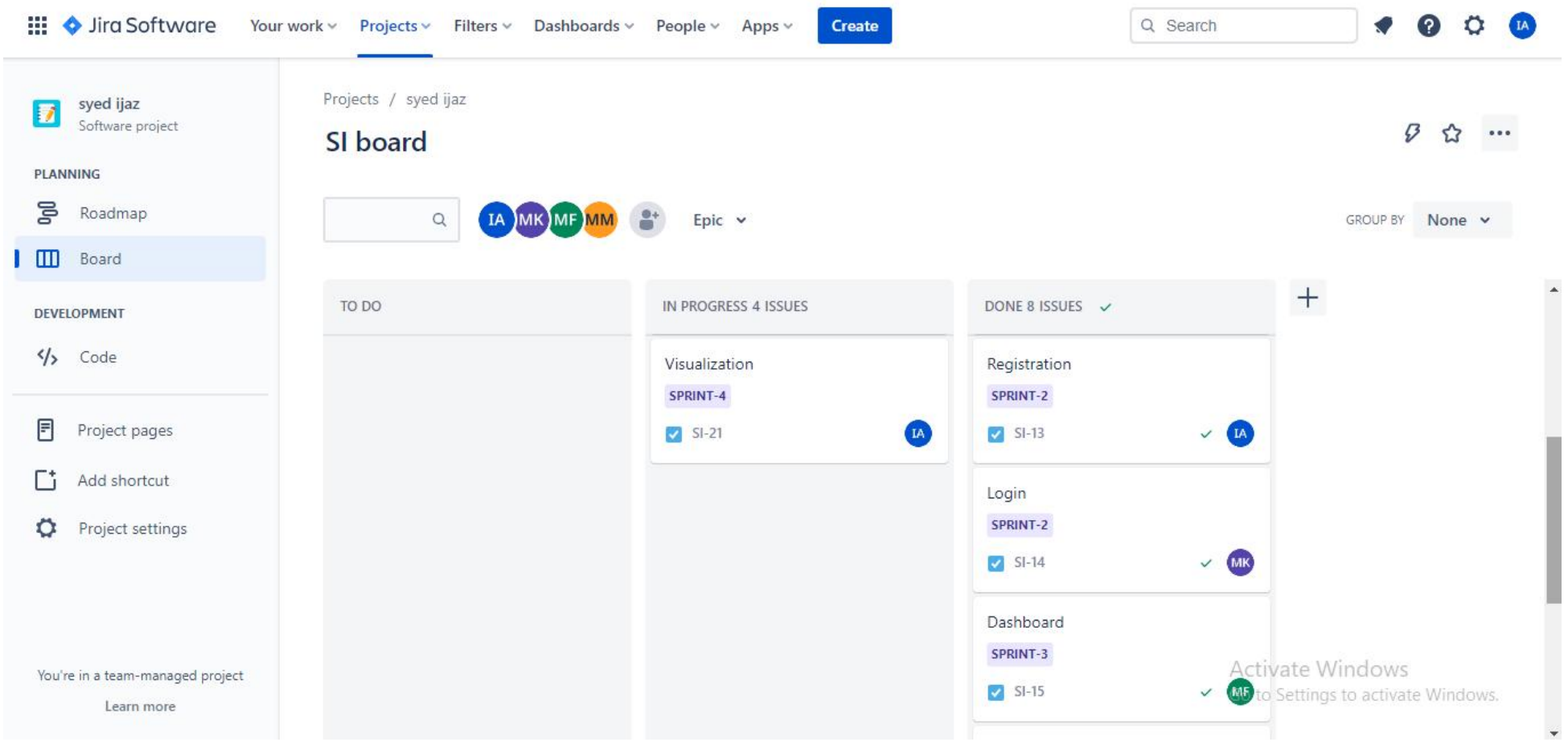
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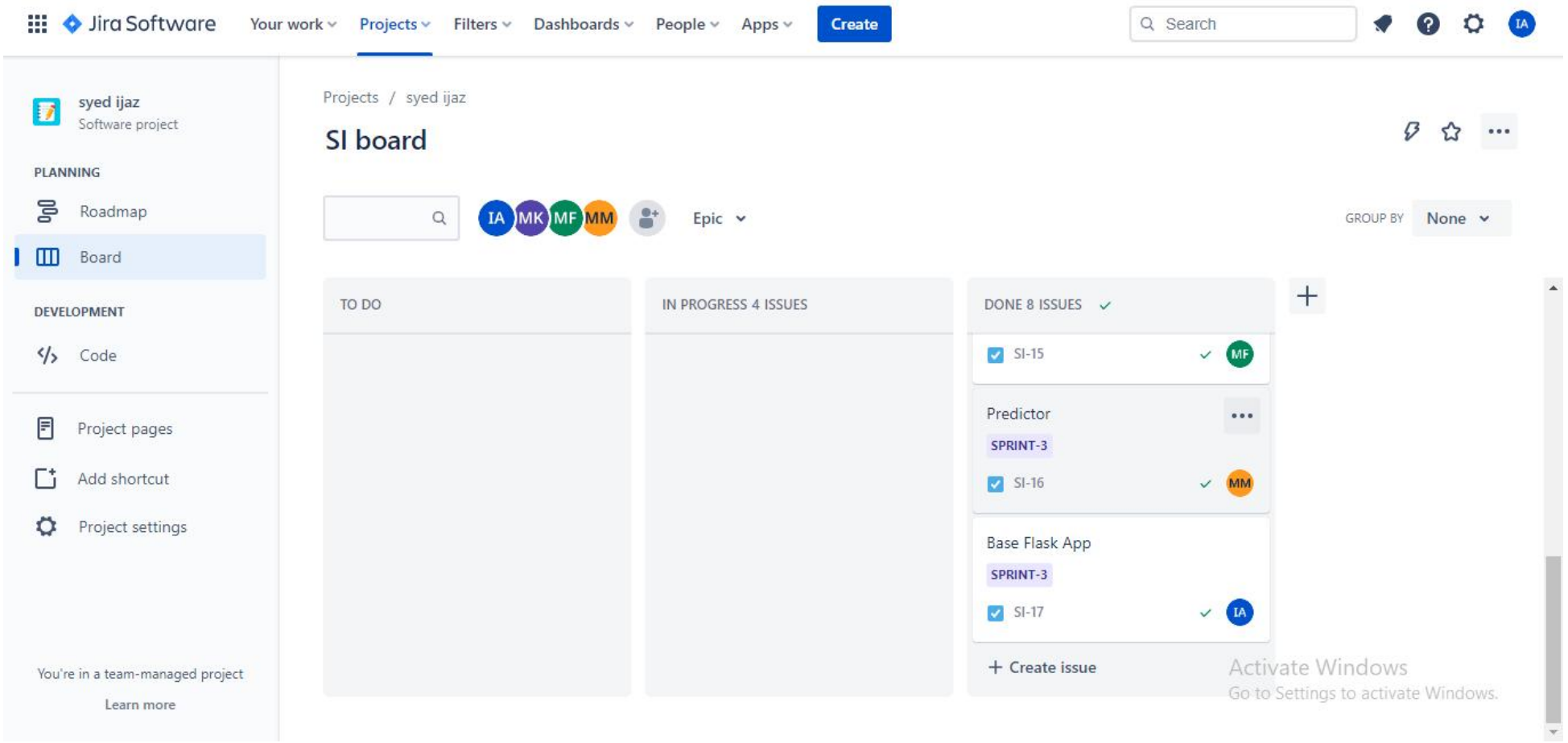
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