Project Planning Phase

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

Date	18 October 2022
Team ID	Team-591961
Project Name	Project - Project - Time Series Analysis For Bitcoin Price Prediction Using Prophet
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	Data collection	USN-1	Collect the datasets of the historical BTC price from different articles and research papers for building the deep learning model to forecast the BTC future predictions	2	High	Purushotham
Sprint-1	Validation of the data	USN-2	After collection of the data cleaning the data using proper methods eg (check for null values , encoding ,outliers and etc) of preprocessing and scaling the data	3	High	Purushotham

Sprint-2	Data visualization	USN-3	After the all preprocessing now will we visualized for understanding the data patterns and visualize for model selection	2	Low	Siddharth
Sprint-2	Model Selection	USN-4	After analysis of the data now we will select the appropriate deep learning model for training the data to give future predictions	3	High	Siddharth
Sprint-3	Model development	USN-5	Train the selected deep learning model using the preprocessed dataset and monitor its performance on the validation set.	3	High	Vishnu
Sprint-3	Evaluation metrics	USN-6	Finding the accuracy of the model using different techniques eg(f1 score ,confusion matrix etc…)	2	Low	Vishnu
Sprint-4	UI designing	USN-7	After testing creation of the friendly user interface and suitable for the model we have created	5	High	Rithwik
Sprint-4	Model deployment & Integration	USN-8	Deploy the trained deep learning model as an API or web service to make it accessible to BTC price prediction . Integrate the model's API into a user-friendly web interface for users to upload the data and get price forecast of the BTC	5	High	Rithwik

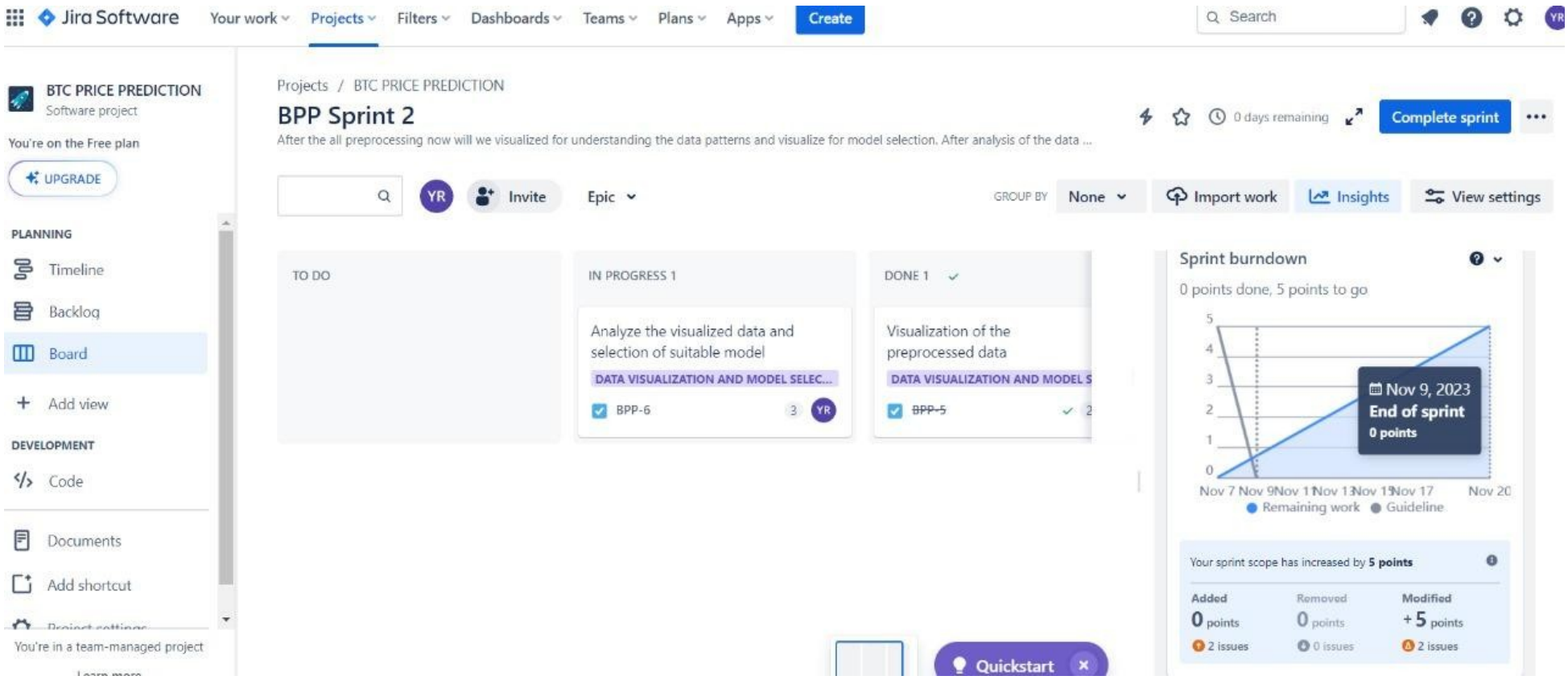
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	5	3 Days	04 Oct 2023	06 Nov 2023	5	06 Nov 2023
Sprint-2	5	3 Days	07 Oct 2023	09 Nov 2023	5	09 Nov 2023
Sprint-3	5	4 Days	10 Nov 2023	13 Nov 2023	5	13 Nov 2023
Sprint-4	10	6 Days	14 Nov 2023	19 Nov 2023	10	19 Nov 2023

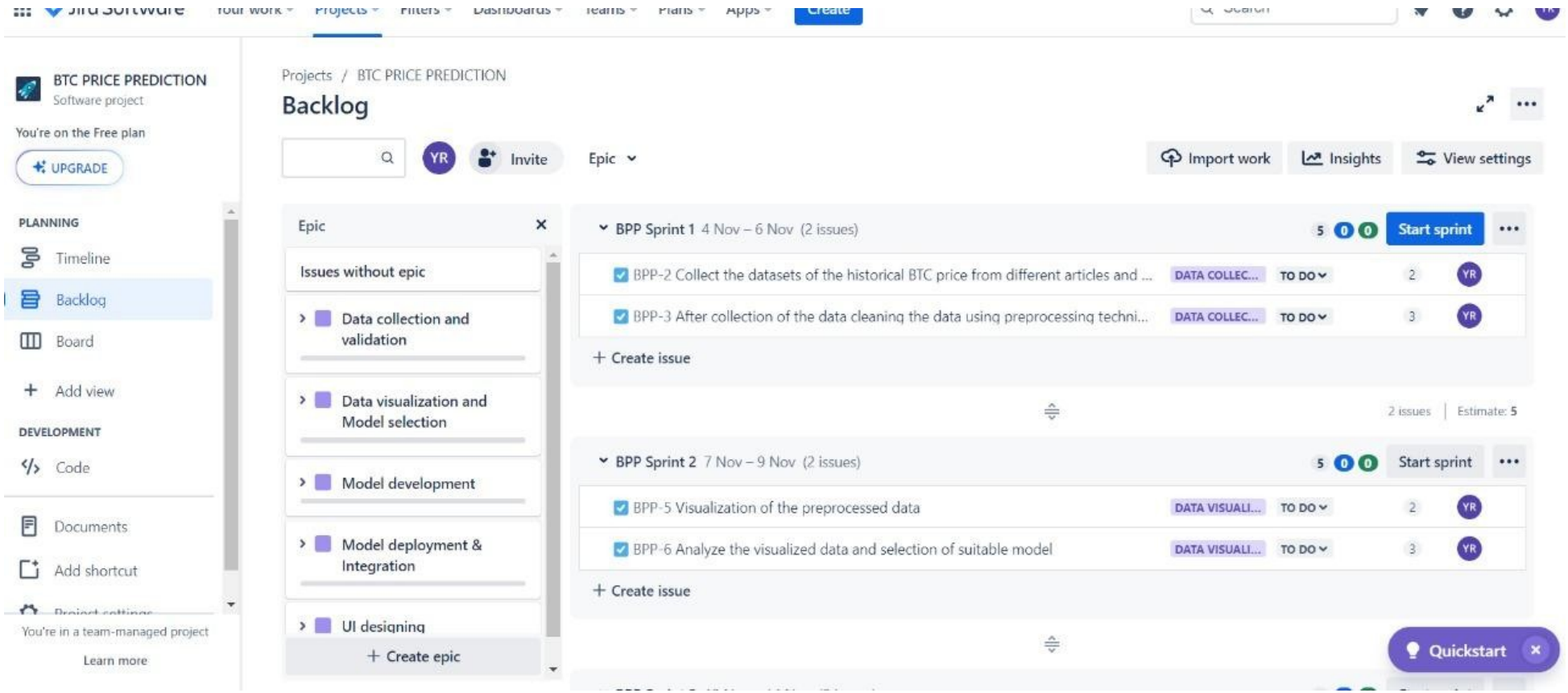
Velocity:
25 sprint points and 16 days of time so, velocity will be 1.6 .

Burndown Chart: A burn down 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.



Backlogs :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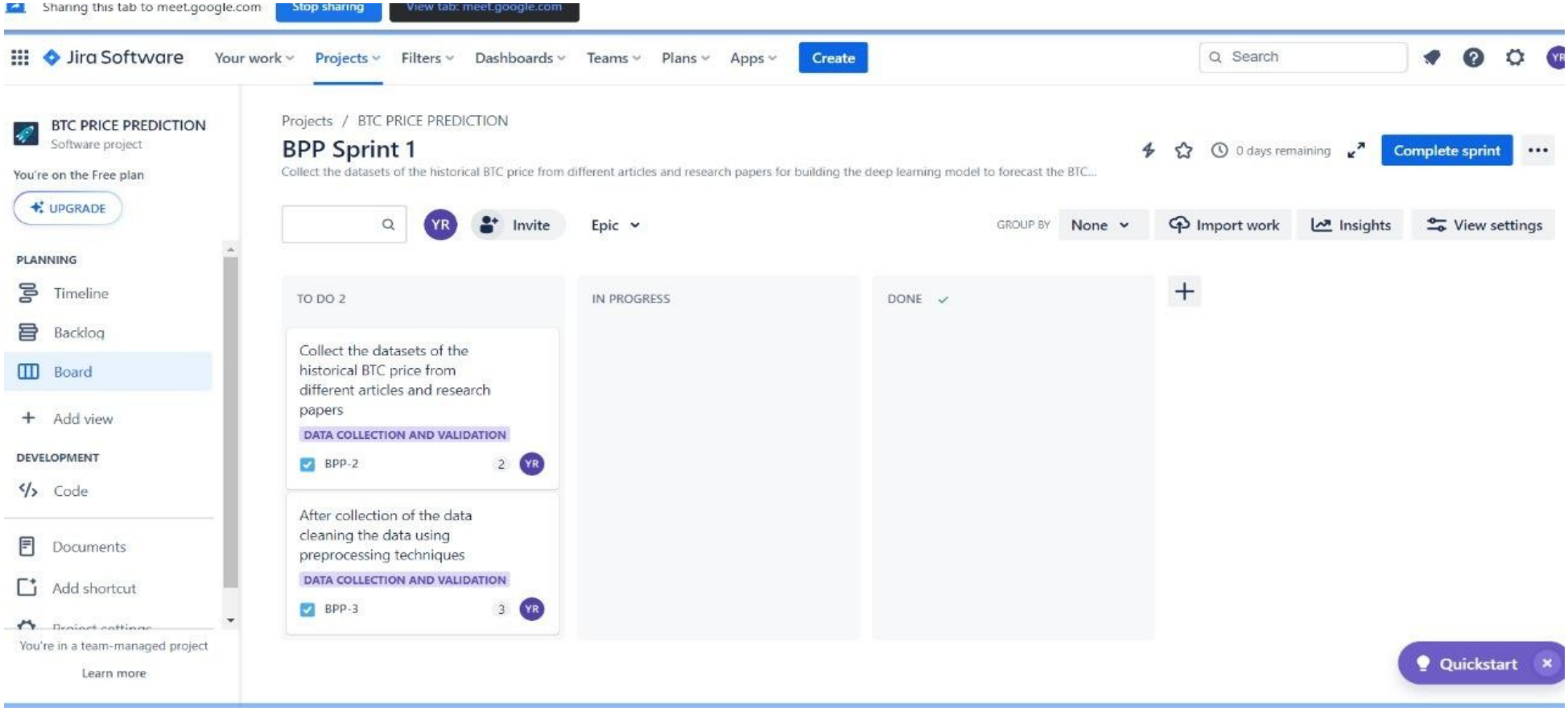
Issues without epic
Data collection and validation
Data visualization and Model selection
Model development
Model deployment & Integration
UI designing
Create epic
BPP Sprint 1 4 Nov – 6 Nov (2 issues)
5 0 0
Start sprint
BPP-2 Collect the datasets of the historical BTC price from different articles and ...
DATA COLLEC...
TO DO
2
BPP-3 After collection of the data cleaning the data using preprocessing techni...
DATA COLLEC...
TO DO
3
Create issue
2 issues | Estimate: 5
BPP Sprint 2 7 Nov – 9 Nov (2 issues)
5 0 0
Start sprint
BPP-5 Visualization of the preprocessed data
DATA VISUALI...
TO DO
2
BPP-6 Analyze the visualized data and selection of suitable model
DATA VISUALI...
TO DO
3
Create issue
Quickstart

Board :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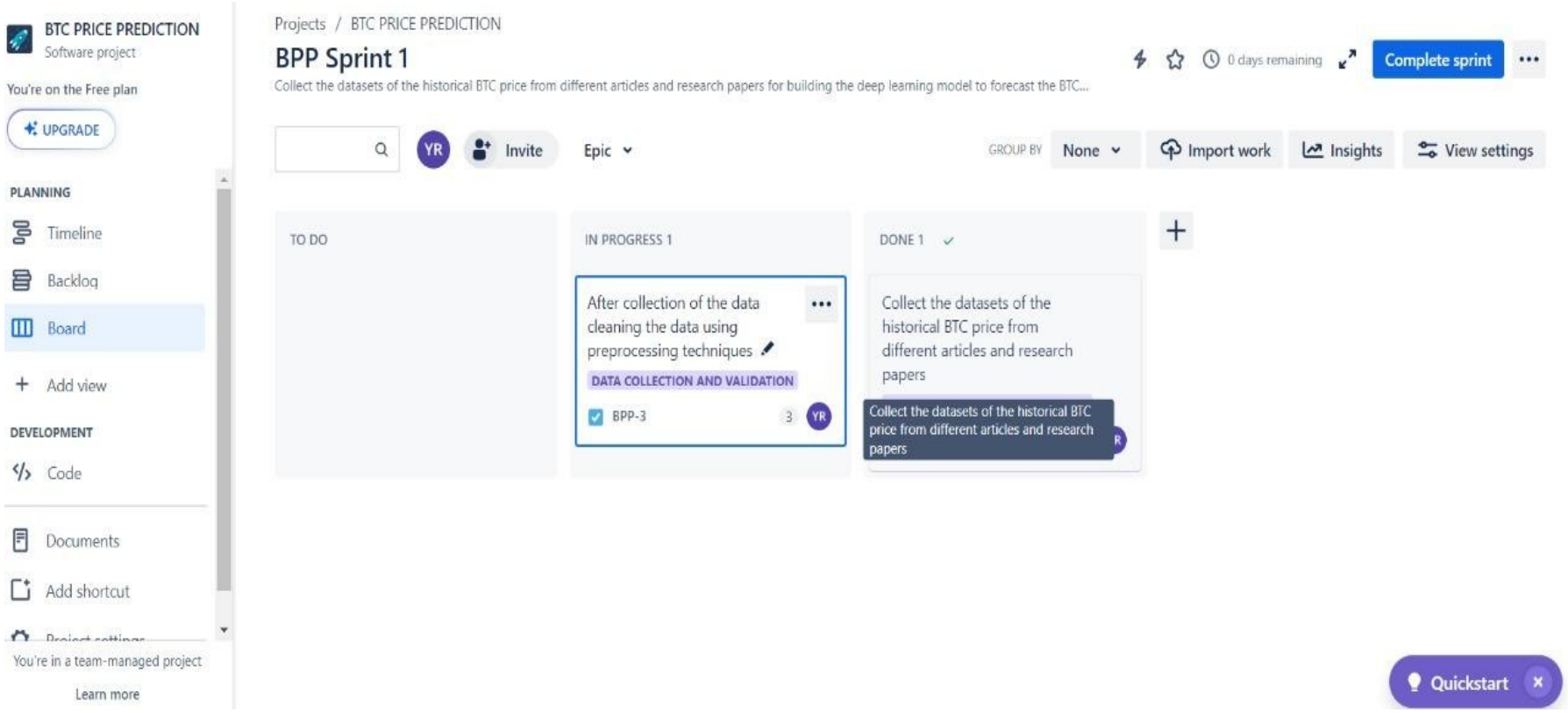
BPP Sprint 1
Collect the datasets of the historical BTC price from different articles and research papers for building the deep learning model to forecast the BTC...
0 days remaining
Complete sprint
YR
Invite
Epic
GROUP BY
None
Import work
Insights
View settings
TO DO 2
IN PROGRESS
DONE
Collect the datasets of the historical BTC price from different articles and research papers
DATA COLLECTION AND VALIDATION
BPP-2
2
After collection of the data cleaning the data using preprocessing techniques
DATA COLLECTION AND VALIDATION
BPP-3
3
Quickstart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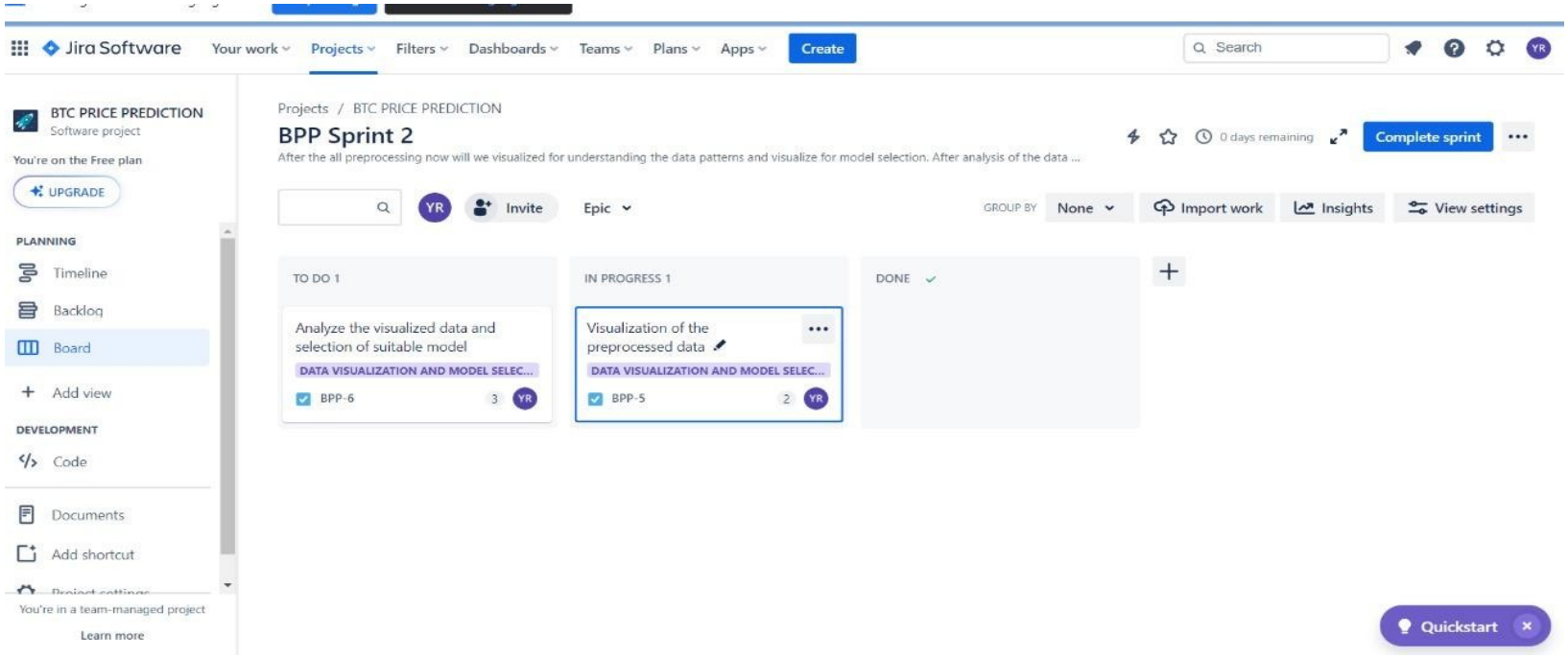
Collect the datasets of the historical BTC price from different articles and research papers for building the deep learning model to forecast the BTC...
0 days remaining
Complete sprint
YR
Invite
Epic
GROUP BY
None
Import work
Insights
View settings
TO DO
IN PROGRESS 1
DONE 1
After collection of the data cleaning the data using preprocessing techniques
DATA COLLECTION AND VALIDATION
BPP-3
3
YR
Collect the datasets of the historical BTC price from different articles and research papers
Collect the datasets of the historical BTC price from different articles and research papers
Quickstart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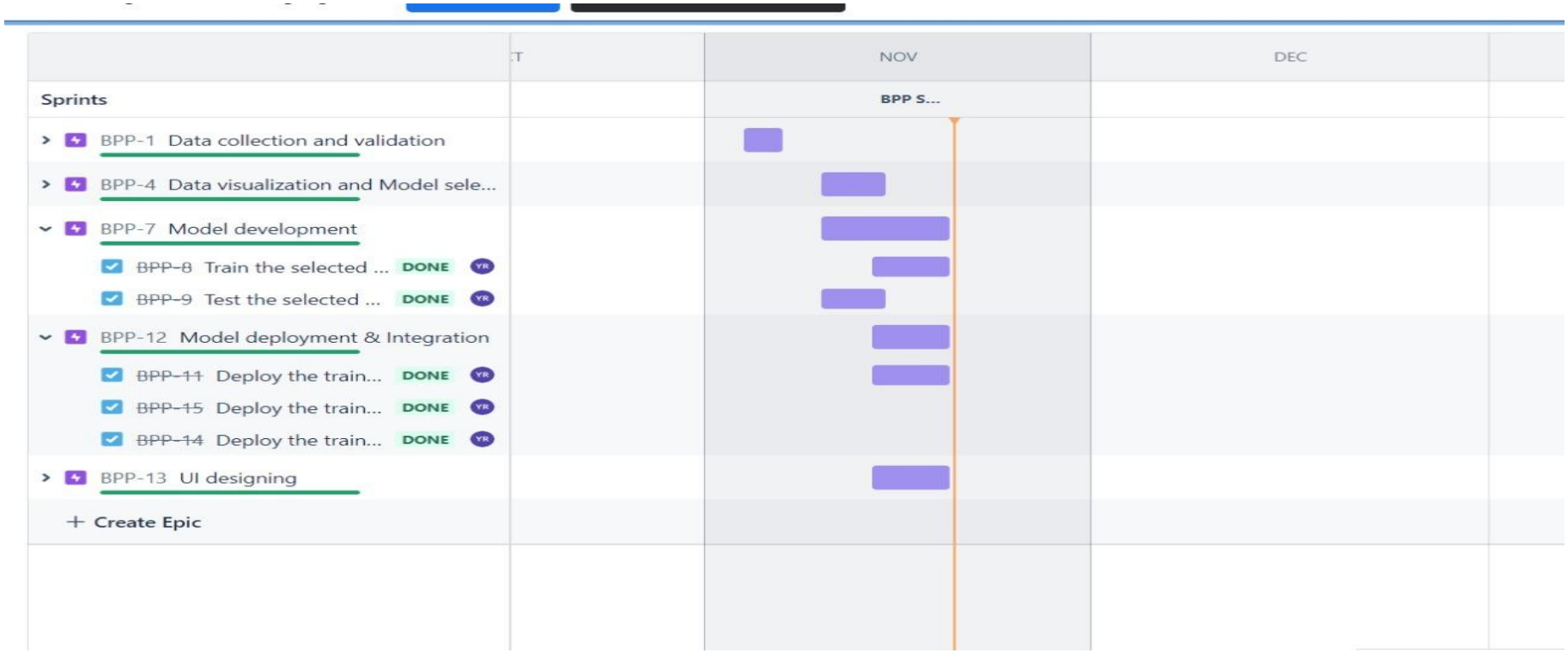
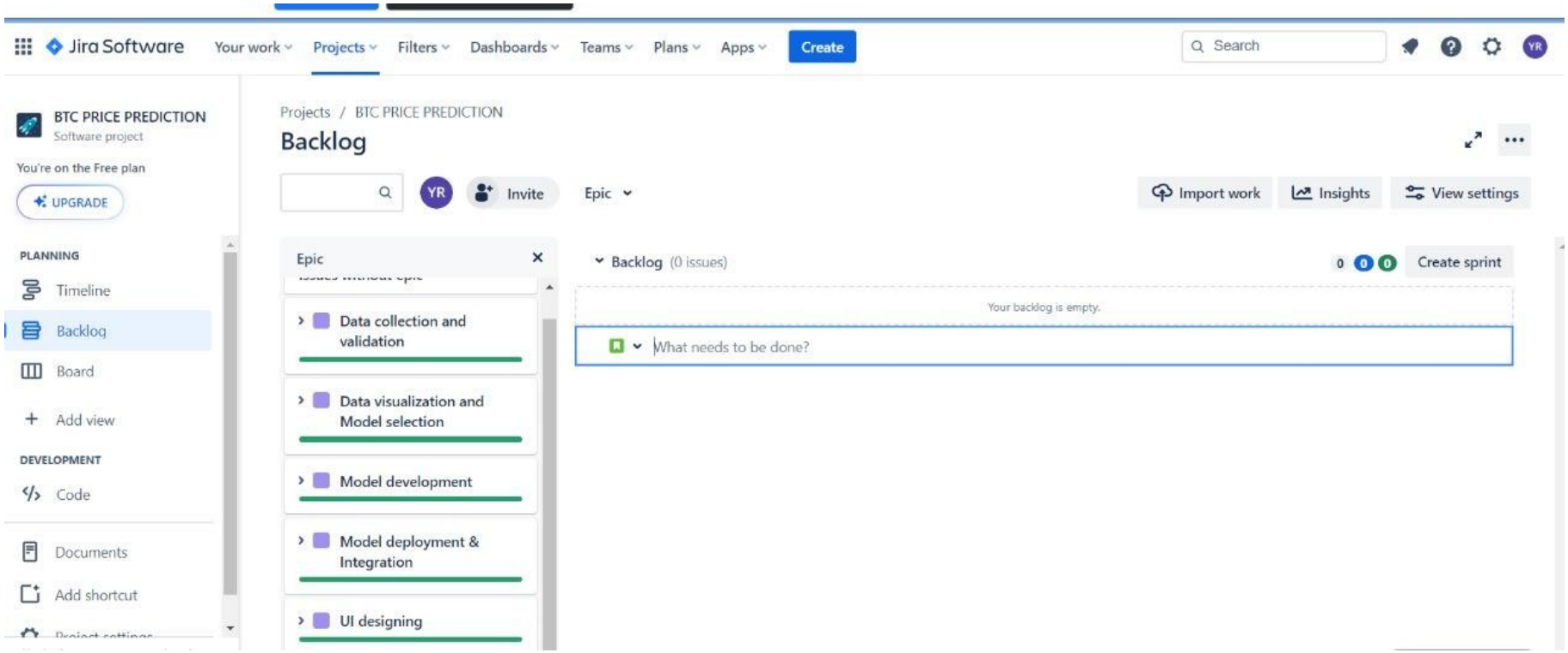
After the all preprocessing now will we visualized for understanding the data patterns and visualize for model selection. After analysis of the data ...
0 days remaining
Complete sprint
Invite
Epic
GROUP BY
None
Import work
Insights
View settings
TO DO 1
IN PROGRESS 1
DONE
Analyze the visualized data and selection of suitable model
DATA VISUALIZATION AND MODEL SELEC...
BPP-6
3
Visualization of the preprocessed data
DATA VISUALIZATION AND MODEL SELEC...
BPP-5
2
Quickstart


NOV
DEC
Sprints
BPP S...
BPP-1 Data collection and validation
BPP-4 Data visualization and Model sele...
BPP-7 Model development
BPP-8 Train the selected ... DONE
BPP-9 Test the selected ... DONE
BPP-12 Model deployment & Integration
BPP-11 Deploy the train... DONE
BPP-15 Deploy the train... DONE
BPP-14 Deploy the train... DONE
BPP-13 UI designing
Create Epic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Data collection and validation
Data visualization and Model selection
Model development
Model deployment & Integration
UI designing
Backlog (0 issues)
Create sprint
Your backlog is empty.
What needs to be done?