Project Planning Phase

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

Date	02-11-2023
Team ID	592865
Project Name	AIRLINE REVIEW CLASSIFICATION
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	Project Setup & Infrastructure	USN-1	Set up the development environment with the required tools and frameworks to start the Airline Review Satisfaction	1	High	Karthik
Sprint-1	Development Environment	USN-2	Gather a dataset Containing the several number of reviews about a airlines for the Machine Learning Model	3	High	Karthik
Sprint-2	Data collection	USN-3	Collect the Data from the Dataset by using pandas and the collect the data info of the dataset	1	medium	Deepak
Sprint-2	Data Pre-Processing	USN-4	Pre-process the collected dataset by removing the unwanted columns and Handling the Null values and feature scaling the data and at last we have to separate the dependent and independent Variables and we have to separate the data as training data and splitting data	2	High	Lathvik
Sprint-3	Model Development	USN-5	We have to explore for classification Machine learning Algorithms and we have to select the best machine learning algorithm based on our pre-processed data	4	High	Chethan

Sprint-3	Training	USN-6	We have to fit the training data to the Classification Machine Learning Model which we have developed then our Model will get Trained	3	High	Lathvik
Sprint-4	model deployment & Integration	USN-7	deploy the trained machine learning model as an API or web service to make it accessible for airline review classification. integrate the model's API into a user- friendly web interface for users to search for the airline and receive airline review satisfaction classification results.	3	medium	Deepak
Sprint-5	Testing & quality assurance	USN-8	Now we have to use the testing data and we have to search for bugs or any failures in our trained model and we have to give best parameters and optimize the model on the user feedback. And testing results like accuracy precision score and f1 score	3	High	Chethan

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	4	5 Days	21 Oct 2023	25 Oct 2023	20	21 Oct 2023
Sprint-2	3	5 Days	26 Oct 2023	30 Oct 2023		
Sprint-3	7	5 Days	31 Oct 2023	04 Nov 2023		
Sprint-4	3	5 Days	05 Nov 2023	09 Nov 2023		
Sprint-5	3	5 Days	10 Nov 2023	14 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= 29/20 = 1.45

AV = sprint duration/velocity = 25/20 => 1.25

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