Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID03976
Project Name	Project - Smart Lender- Applicant Credibility Prediction for Loan Approval
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	Get Data From Source	USN-1	First step is collecting the data set of the clients from source.	5	Medium	S.SRI AAKASH SUDHARSAN B SRIVATSAN G RISHI VARDHAN M
Sprint-1	Raw Data Validation	USN-2	We need to classify the data set as Good_data_Folder and Bad_Data_Folder	5	High	S.SRI AAKASH SUDHARSAN B SRIVATSAN G RISHI VARDHAN M
Sprint-2	Data Set Insertion Into DataBase & Exploratory Data analysis	USN-3	A Sqlite DataBase is created and all the files in Good_data_Folder is inserted.Then the data is analyzed using statistics and various visualizations is plotted.	5	High	S.SRI AAKASH SUDHARSAN B SRIVATSAN G RISHI VARDHAN M
Sprint-2	Data Pre Processing	USN-4	Data cleaning is done by removing unwanted parameters.	5	High	S.SRI AAKASH SUDHARSAN B SRIVATSAN G RISHI VARDHAN M
Sprint-3	Hyper parameter tuning and Model Building	USN-5	The data is tested on various algorithms and best parameters is derived from Grid Search	5	Medium	S.SRI AAKASH SUDHARSAN B SRIVATSAN G RISHI VARDHAN M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Flask Setup	USN-6	Flask Framework is created. when the user uploads the data model will predict the output	5	Medium	S.SRI AAKASH SUDHARSAN B SRIVATSAN G RISHI VARDHAN M
Sprint-4	Default prediction and saving the output in CSV file	USN-7	After predicting the best accuracy model the output is stored as CSV file.	5	Medium	S.SRI AAKASH SUDHARSAN B SRIVATSAN G RISHI VARDHAN M
Sprint-4	Deployment	USN-8	Deploying the model on IBM studio	5	Medium	S.SRI AAKASH SUDHARSAN B SRIVATSAN G RISHI VARDHAN M

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**	**6 days**	**24 Oct 2022**	**29 Oct 2022**	**5**	**0**
Sprint 2	**10**	**6 days**	**01 Nov 2022**	**7 Nov 2022**	**5**	**0**
Sprint 3	**10**	**6 days**	**08 Nov 2022**	**14Nov 2022**	**5**	**0**
Sprint 4	**10**	**6 days**	**14 Nov 2022**	**17 Nov 2022**	**5**	**0**

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=Speed velocity/duration=10/6=1.667

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.

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
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