

Project Planning Phase

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

Date	18 October 2022
Team ID	Team-591803
Project Name	Project - Mental Health Prediction using Machine Learning
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	User Story Number	User Story / Task	Story Points	Priority	Team Members
1	USN-1	As a data scientist, I want to collect a diverse dataset containing mental health-related features to build a prediction	2	High	

		model.			
	USN-2	As a data scientist, I want to perform exploratory data analysis (EDA) to understand the dataset's characteristics.	2	Medium	
2	USN-3	As a data scientist, I want to choose appropriate machine learning algorithms and techniques for building a mental health prediction model.	1	High	
	USN-4	As a data scientist, I want to evaluate the model's performance using relevant evaluation metrics.	2	Medium	

3	USN-5	As a user, I want to access a user-friendly web interface where I can input my information to receive a mental health prediction.	1	High	
	USN-6	As a user, I want to receive clear and easy-to-understand results that indicate whether I might need mental health treatment.	2	High	
4	USN-7	As a data scientist, I want to conduct rigorous testing to ensure the model's predictions are accurate and reliable.	1	High	
	USN-8	As a user, I want to test the user interface and provide feedback for improvements.	2	Medium	

5	USN-11	As a data scientist, I want to deploy the model and user interface to a secure and accessible platform.	1	High	
	USN-12	As a user, I want to access the mental health prediction tool online via my webbrowser.	2	High	

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as of Planned)	Sprint Release Date (Actual)
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					End Date)	
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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

Velocity (average points per sprint): 20

To calculate the team's average velocity per iteration unit (story points per day), you would need to consider the sprint duration. Assuming a 6-day sprint:

Average Velocity (AV) = Velocity (points per sprint) / Sprint Duration (days)

Average Velocity (AV) = 20 / 6