

Project Planning Phase-I
Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Date	31st October 2023
Team ID	593197
Project Name	PayGuard Plus – An Online Payments Fraud Detector
Maximum Marks	4 Marks
Team Size	3
Member 1 – Team Lead	Akshit Bahl (21BIT0012)
Member 2	Ananya Priya (21BIT0245)
Member 3	Lakshya Mittal (21BIT0076)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1 : User Login and Registration	Epic-1: User Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	1. Ananya Priya 2. Lakshya Mittal
	Epic-2: Registration Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	1. Akshit Bahl 2. Lakshya Mittal
	Epic-3: Login into application	USN-3	As a user, I can log into the application by entering email & password	2	High	1. Akshit Bahl 2. Lakshya Mittal 3. Ananya Priya
	Epic-4: Gmail Login	USN-4	As a user, I can register for the application through Gmail	1	Medium	1. Ananya Priya

Sprint – 2: ML model Development	Epic-1: Understand the dataset features and observations	USN-5	As a user I should be able to understand what all parameters would make my payment dependable.	2	High	1. Akshit Bahl 2. Lakshya Mittal 3. Ananya Priya
	Epic-2: Preprocess and Visualize the dataset	USN-6	As a user, I should be able to visualize the data	2	High	1. Lakshya Mittal 2. Ananya Priya
	Epic-3: Train the models		Training models, comparing them and choosing the best out of them	3	High	1. Akshit Bahl 2. Lakshya Mittal 3. Ananya Priya
Sprint-3: Model Integration	Epic-1: ML model integration and making a flask server on backend			4	High	1. Ananya Priya 2. Lakshya Mittal

Sprint-4: Creation of more pages	Epic-1: About page	USN-7	As a user, I should be able to see the abouts page of the website and know about the website	1	Medium	1. Akshit Bahl
	Epic-2: Contact page	USN-8	As a user, I should be able to see the contact page of the website and contact the creators or customer support in case of fraud detection	2	Medium	1. Ananya Priya
	Epic-3: Teams page	USN-9	As a user, I should a be able to see the teams page of the website and know about the creators of the application	1	Medium	1. Lakshya Mittal

Sprint-5: Deployment	Epic-1: Pushing the project of github and deployment on Heroku			4	High	1. Ananya Priya 2. Lakshya Mittal 3. Akshit Bahl
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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	8	2 days	24 Oct 2023	26 Oct 2023	8	26 Oct 2023
Sprint-2	7	2 Days	26 Oct 2023	28 Nov 2023	7	28 Nov 2023
Sprint-3	4	1 Days	28 Oct 20223	29 Oct 2023	4	29 Oct 2023
Sprint-4	4	3 Days	29 Oct 2023	1 Nov 2023	4	1 Nov 2023
Sprint-5	4	4 Days	3 Nov 2023	7 Nov 2023	4	9 Nov 2023

Velocity:

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}}$$

$$=2/8$$

$$= \frac{1}{4}$$

$$=0.25$$

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.

