PROJECT PLANNING PHASE

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

DATE	19 October 2022
TEAM ID	PNT2022TMID37994
PROJECT NAME	SMART SOLUTION FOR RAILWAY
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 Requirements (eqic)	Use Story Number	User Story/Task	Story Point	Priority	Team Member
Sprint -1	Registration	USN-1	As a user, I can register through the form by filling in my details	2	HIGH	Karthick
Sprint -1		USN-2	As a user, I can register through phone numbers, Gmail, Facebook or other social sites	1	HIGH	Althaf Khan
Sprint -1	Confirmation	USN-3	As a user, I will receive confirmation through email or OTP once registration is successful	2	LOW	Dinesh Kumar
Sprint -1	Login	USN-4	As a user, I can login via login id and password or through OTP received on register phone number	2	MEDIUM	Mukesh
Sprint -1	Display Train Details	USN-5	As a user, I can enter the start and destination to get the list of trains available connecting the above	1	HIGH	Dinesh Kumar
Sprint -2	Booking	USN-6	As a use, I can provide the basic details such as	2	HIGH	Karthick

			a name, age, gender etc…			
Sprint -2		USN-7	As a user, I can choose the class, seat/berth. If a preferred seat/berth isn't available I can be allocated based on the availability	1	LOW	Althaf Khan
Sprint -2	Payment	USN-8	As a user, I can choose to pay through credit Card/debit card/UPI	1	HIGH	Mukesh
Sprint -2		USN-9	As a user, I will be redirected to the selected	2	HIGH	Karthick
Sprint -3	Ticket Generation	USN-10	As a user, I can download the generated eticket for my journey along with the QR code which is used for authentication during my journey	1	HIGH	Althaf Khan
Sprint -3	Ticket Status	USN-11	As a user, I can see the status of my ticket Whether it's confirmed/waiting/RAC.	2	HIGH	Mukesh
Sprint -3	Reminder Notification	USN-12	As a user, I get remainders about my journey A day before my actual journey	1	HIGH	Dinesh Kumar
Sprint -3	Ticket Cancellation	USN-13	As a user, I can track the train using GPS and can get information such as ETA, Current stop and delay	2	HIGH	Karthick
Sprint -4		USN-14	As a user, I can cancel my tickets if there's any Change of plan	1	HIGH	Mukesh
Sprint -4	Raised Queries	USN-15	As a user, I can raise queries through the query box or via mail.	2	MEDIUM	Althaf Khan
Sprint -4	Answer the queries	USN-16	As a user, I will answer the questions/doubts Raised by the customers	2	HIGH	Dinesh Kumar
Sprint -4	Feedback	USN-17	As a user, I will feed information about the trains delays and add extra seats if a new compartment is added.	1	HIGH	Karthick

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

Sprint	Total story Point	Duration	Sprint Starting date	Sprint End Dates (planned)	Story Point Completed(As On Planned End Date)	Sprint Released Date(Autual)
Sprint -1	20	6 Days	25 October 2022	30 October 2022	20	30 October 2022
Sprint -2	20	6 Days	01 November 2022	06 November 2022	20	06 November 2022
Sprint -3	20	6 Days	07 November 2022	12 November 2022	20	12 November 2022
Sprint -4	20	6 Days	11 November 2022	15 November 2022	20	15 November 2022

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).

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$