

Project Planning Phase

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

| | |
|---------------|-----------------------------|
| Date | 31 oct 2022 |
| Team ID | PNT2022TMID45560 |
| Project Name | SMART SOLUTION FOR RAILWAYS |
| Maximum Marks | 4 Marks |

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

Use the below template to create product backlog and sprint schedule

| sprints | fuctional Requirements (Epic) | User Story Number | User Story / Task | Story point | Priority | Team members |
|-----------|----------------------------------|-------------------|---|-------------|----------|--------------------------------------|
| Sprint-1 | Ticket reservation using QR code | USN-1 | The user can reserve for the application by entering the user registered email id, password, and confirming password. | 1 | High | PRAVEENA. M |
| Sprint- 1 | Ticket reservation using QR code | USN-2 | The user will receive confirmation email once the user have registered for the application. | 1 | High | PRAVEENA. M REKA. S LALITHA. K |
| Sprint- 2 | Ticket reservation using QR code | USN-3 | The user can reserved for the application through Facebook. | 1 | Low | REKA. S LALITHA . K |
| Sprint- 1 | | | The user will see the login page.user can entering email & | 2 | High | PRAVEENA. M |

| sprints | fuctional Requirements (Epic) | User Story Number | User Story / Task | Story point | Priority | Team members |
|-----------|-------------------------------|-------------------|---|-------------|----------|---|
| | Check schedule | USN-4 | password. | | | |
| Sprint- 3 | Seats available | USN-5 | The user can check to get seats available. | 1 | Medium | PRAVEENA. M REKA. S LALITHA. K |
| Sprint- 4 | Reserving ticket | USN-6 | Enter the details and click submit button to book ticket | 1 | High | PRAVEENA. M REKA. S LALITHA. K |
| sprint- 4 | Vendor | Admin | The data is given by the user. | 1 | High | PRAVEENA. M REKA. S LALITHA. K JANANI. S |
| Sprint- 1 | Payment services | USN-7 | The user can choose to pay through credit card /debitcard/UPI code. | 1 | High | PRAVEENA. M REKA. S LALITHA. K JANANI. S |
| | | USN-8 | the user will be redirected to the selected payment gateway and | | High | |

| sprints | fuctional Requirements (Epic) | User Story Number | User Story / Task | Story point | Priority | Team members |
|-----------|-------------------------------------|-------------------------|---|----------------|----------|--------------------------------------|
| | | | upon successful completion of paymen will be redirected to the booking website. | 2 | | |
| Sprint- 2 | Answer the queries | USN-9 | The user will answer the queries/doubts raised by the customers. | 1 | Medium | PRAVEENA. M REKA. S LALITHA. K |

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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 | 20 | 6Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |

| | | | | | | |
|----------|----|-------|-------------|-------------|----|-------------|
| Sprint-2 | 20 | 6Days | 31 Oct 2022 | 5 Nov 2022 | 20 | 4 Nov 2022 |
| Sprint-3 | 20 | 6Days | 7 Nov 2022 | 12 Nov 2022 | 20 | 12 Oct 2022 |
| Sprint-4 | 20 | 6Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 Oct 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)

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

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BURNDOWN CHART:

| BURNDOWN CHART | | | | |
|----------------|------------------|---------|--------|----------|
| Particular | Days | Planned | Actual | Velocity |
| sprint-1 | 24-29 OCT 2022 | 6 | 6 | 1 |
| sprint-2 | 31 OCT-05 NOV 22 | 6 | 5 | 1.2 |
| sprint-3 | 07-12 NOV 2022 | 6 | 6 | 1 |
| sprint-4 | 14-19 NOV 2022 | 6 | 5 | 1.2 |

