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

Date	22 June 2024
Team ID	SWTID1720166168
Project Name	Journify
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation (2 Marks)

Use the below template to create product backlog and sprint schedule

Project Tracker, Velocity & Burndown Chart: (2 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	13	4 Days	29-06-24	02-07-24	0	05-07-24
Sprint-2	7	3 Days	02-07-24	05-07-24	0	05-07-24
Sprint-3	2	3 Days	05-07-24	08-07-24	3	05-07-24
Sprint-4	2	4 Days	08-07-24	12-07-24	-	

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email about the booking and receive the itinerary and e-ticket.	I can receive confirmation email & click confirm.	High	Sprint-1
		USN-3	As a user, I can register for the application through Gmail and Phone number.	I can register & access the dashboard with Gmail Login or Phone number.	Low	Sprint-1
		USN-4	As a user, I can register for the application through Gmail	I can register and access by Gmail login.	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can use the login form to log into my account using Gmail or phone number.	High	Sprint-1
	Dashboard	USN-6	As a user, I should be able to see all my past and present bookings.	I can use the bookings option in home page's dashboard to view all the past and present bookings.	High	Sprint-1
	Flight Selection	USN-7	As a user, I should be able to filter out flights to my liking and preferences.	I can use the filters to select the date, timings, duration, layovers and other criteria to filter flights according to my needs.	High	Sprint-1
	Seat Selection	USN-8	As a user, I want to be able to see the whole layout of the flight to see whether the seat I pick is near the wings and to	I can use the seat map to see whether my seat is window, middle or an aisle seat along with seeing a faint exterior of plane for showing the position of wings.	High	Sprint-2

				check whether the seat I am viewing is a window, middle or an aisle seat.			
	Payment	USN-9	As a user, I should be able to pay using multiple methods.	I can use the payment via UPI or via cards.	High	Sprint-2
		USN-10	As a user, my payment information should be safe.	The app uses MongoDB's database where the settings are made to ensure that usage of Secure Sockets Layers SSL and Transport Layer Security TLS are set to true.	High	Sprint-2
	Confirmation of Booking	USN-11	As a user, I should get confirmation via SMS.	I receive an SMS regarding the status of booking as soon as I book a ticket.	High	Sprint-3
Customer (Web user)	Registration	USN-1	As a user, I should be easily able to register using a website.	I can use the registration through form, phone or Gmail to easily register for the website.	High	Sprint-1
	Login	USN-2	As a user, I want secure login so there is no unauthorized access to my accounts.	I can use the authentication to login and authorization by Gmail for buying or cancelling tickets.	High	Sprint-1
		USN-3	As a user, I want to be able to securely access my account from multiple devices while ensuring that no one is able to access my account without my permission on different device's browser.	I can use the authentication feature to ensure that I am not only able to login from multiple accounts, but also no one else is able to login to my account.	High	Sprint-1
	Dashboard	USN-4	As a user, I should be able to have the option to quickly book new flights with desired filters	I can use the book new flights option in the dashboard in homepage.	High	Sprint-2
	Flight Selection	USN-5	As a user, I want to be able to sort flights based on parameters such as flight slot (early morning,	I can use the filters to sort flights by slot, the airline I want to travel in as well set the number of layovers I want to have in the flight.	High	Sprint-2

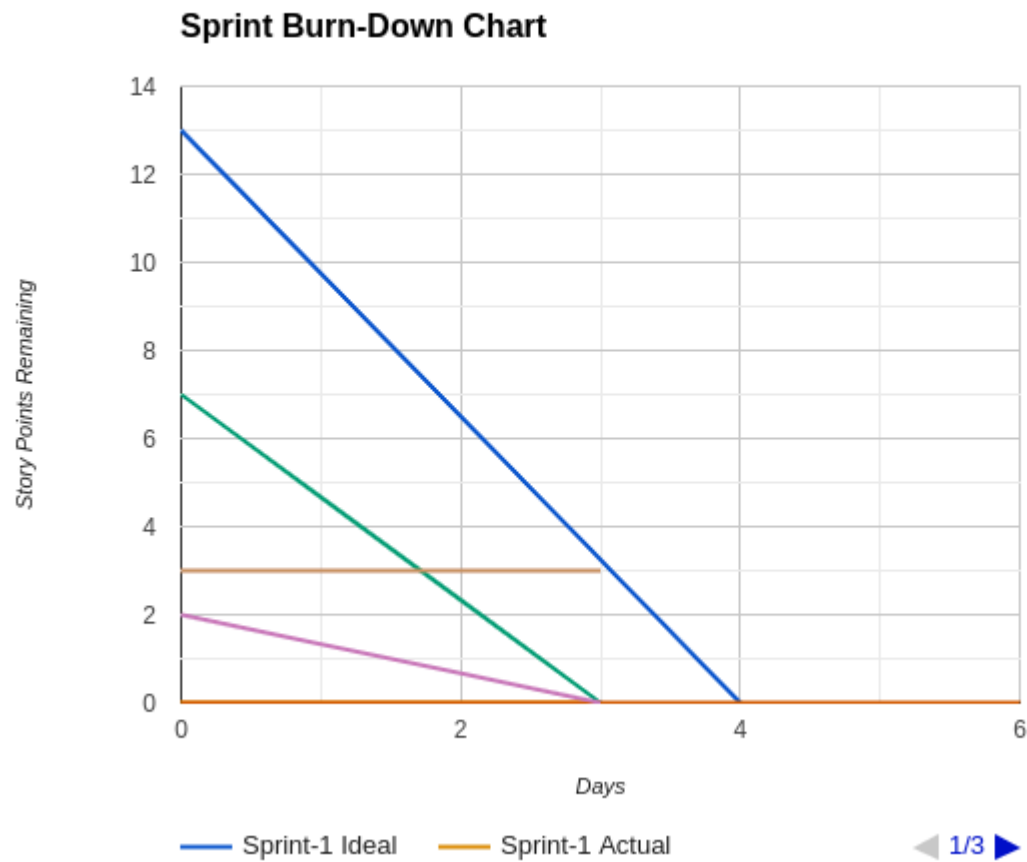|				morning, noon, evening and night), airlines and layovers.			
	Seat Selection	USN-6	As a user, I want to able to select my Seat based on seat type (business, premium economy and economy) as well as check their prices.	I can use the seat map to check the type of seat (business, premium economy and economy) and its price.	High	Sprint-2
	Payment	USN-7	As a user, I should be able to pay using cards in website securely.	I can use the payment gate implemented using secure APIs for payment without worrying about leaking of this sensitive information	High	Sprint-2
	Confirmation of Booking	USN-8	As a user, I should get the booking status, itinerary and e-ticket via mail as soon as I complete the transaction.	I receive a mail about the booking status and also receive itinerary and e-ticket if the booking was successful.	High	Sprint-3
Customer Care Executive	Quick Support	CCESN-1	As a CCE, I should ensure that my customers have a quick support in case they have a issue.	As a CCE, I have a dedicated customer care department for queries by customers.	High	Sprint-4
	Feedback	CCESN-2	As a CCE, I should ensure that I keep track of my customers experiences and give them a means to communicate their experience in order to improve the apps according to their needs.	As a CCE, I have a feedback form for every time a user uses our app.	Low	Sprint-4
Administrator	Performance	ASN-1	As the admin, I must ensure that the app works smoothly and their no performance drops.	As the admin, I will use optimized way to store, access and query data (use MongoDB) to ensure there is no lag when using the app. I will also use **optimized functions**	High	Sprint-1

				to handle heavy loads with minimal performance stutters.		
	Consistency	ASN-2	As the admin, I should ensure that my customers must have their data stored consistently with no errors and data updated by them must be updated consistently everywhere the information is stored to maintain uniformity of data.	As the admin, I use MongoDB to ensure there is no data inconsistency.	High	Sprint-1
	Scalability	ASN-3	As the admin, I should ensure that my application is scalable, to ensure that as the number of users increase, my app works fine.	As the admin, I use MongoDB as to ensure that my database is scalable	High	Sprint-1

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)

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

Burndown Chart:

Sprint Burn-Down Chart

A burndown 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.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
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