

# Planning Report- Sprint 1

## Sprint Planning

### Scrum Planning Meeting: Coding Directions

Date:	Feb 6, 2022
Time:	11:00 PM-1:00 AM
Place:	Concordia University
Link:	Join Google Meet <a href="https://meet.google.com/wam-cyjd-iqy">https://meet.google.com/wam-cyjd-iqy</a>

### Team Members: Coding Directions

S.No	Team Member Name	University Roll No:
1	Mohammad Ehteshaam	40277966
2	Syed Fauzan	40278588
3	Prinkaldeep Kaur	40255739
4	Pujan Pravinbhai Patel	40291403

## Meeting Agenda

Before the Sprint 1 project planning meeting, each team member thoroughly reviewed the project description and independently formulated user stories for each epic. Today's meeting agenda includes sharing and finalizing these user stories, along with estimating the hours required for each story point. They will also define the technical tasks necessary for completing each user story and assign responsibility to team members accordingly. Deadlines will be set for each task to ensure timely completion. The team will prioritize the user stories and discuss the specific tasks and features to address during Sprint 1, breaking down larger goals into manageable chunks.

Additionally, they will discuss any dependencies or risks that could affect the sprint, devising strategies to mitigate these challenges. Furthermore, a member will be elected to handle the Jira dashboard Activities, Scrum Master, and GitHub CI/CD Pipeline.

## Estimation User stories

### Epic 1: Package Management

Item Id	User Story	Task	Estimated By Member	Estimated Time to Complete	Priority
1.1	As a client, I want to go through the	Create a Classes for flights, hotels, activities	Pujan Pravinbhai Patel:9h Prinkaldeep Kaur:9h	9h	1

	available travel packages, so that I can explore options for my trip plan	and packages	Mohammad Ehteshaam:8h Syed Fauzan:9h		
		Populate packages with multiple items			
		Create an Angular component to display lists of travel packages in a user- friendly format and enable navigation features such as pagination			
1.2	As a client, I want to view details of some already made packages, so that I can know about flights, hotels, and activities bookings.	Develop a UI to display details of available travel packages.	Pujan Pravinbhai Patel:2h Prinkaldeep Kaur:3h Mohammad Ehteshaam:4h Syed Fauzan: 2h	3h	2
		Create a API endpoint to handle requests for package details.			
		Query the database to retrieve information about flights, hotels, and activities associated with the selected package.			
1.3	As a client, I want to search for available packages based on specific criteria, so that I can have destination, date, or price range according to my travel needs.	Develop API endpoints to handle search requests.	Pujan Pravinbhai Patel:5h Prinkaldeep Kaur:6h Mohammad Ehteshaam:6h Syed Fauzan: 3h	5h	2
		Design input fields and dropdowns for destination, date, and price range.			
1.4	As a booking agent, I want to create and modify new or existing travel packages, so that I can keep the travel packages up to date with new offers and prices.	Create an update button to modify existing travel packages	Pujan Pravinbhai Patel:6h Prinkaldeep Kaur:5h Mohammad Ehteshaam:5h Syed Fauzan: 6h	5h 30m	3
		Update the database records when update button is press			
		Develop a interface to add input details for new travel packages.			
		Implement validation to ensure all required fields are filled			
		Integrate with the database to store the			

		newly created package information.		
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## Epic 2: Booking Management

Item Id	User Story	Task	Estimated By Member	Estimated Time to Complete	Priority
2.1	As a client, I want to confirm my booking and submit payment information for the selected travel packages.	Create a UI where customers can review their selected travel package and confirm their booking.	Pujan Pravinbhai Patel: 6h Prinkaldeep Kaur: 6h 30m Mohammad Ehteshaam:6h Syed Fauzan: 7h	6h 30m	2
		Store relevant information such as customer details, selected travel package, payment details, and booking status in the database.			
		Generate a unique booking ID for each transaction			
		Create a database to store payment information			
		Send booking confirmation message as notification/popup/ mail.			
2.2	As a client, I want to view my booking details, so that I can get specific information which includes flight information, hotel details, and selected activities.	Create API endpoints to retrieve booking details for a specific customer.	Pujan Pravinbhai Patel: 3h Prinkaldeep Kaur: 4h Mohammad Ehteshaam:5h Syed Fauzan: 4h	4h	1
		Design a UI component to display booking details.			
2.3	As a client, I want to modify my bookings by changing or dropping my travel packages	Implement a UI for clients to modify their bookings	Pujan Pravinbhai Patel: 5h Prinkaldeep Kaur: 5h Mohammad Ehteshaam:5h Syed Fauzan: 5h	5h	3
		Develop backend to handle modification			

	before the travel date in case I change my plans	requests from clients.			
		Send confirmation of modifications to clients			
		Update booking details and Delete the entry of customer booking in database when cancel booking request is done from			
2.4	As a booking agent, I want to view a list of all customer bookings, so that I can monitor and manage the needs.	Assign customer agent to customer upon successful booking	Pujan Pravinbhai Patel: 6h Prinkaldeep Kaur: 6h Mohammad Ehteshaam: 7h Syed Fauzan: 5h 30m	6h	2
		Implement a query to retrieve booking details including customer information, package details, and booking status from db			
		Design a page to populate all customer bookings			

### Epic 3: Agent Management

Item Id	User Story	Task	Estimated By Member	Estimated Time to Complete	Priority
3.1	As a Travel manager, I want to manage booking agents accounts.	Define a role-based access control system to distinguish booking agents from regular customers	Pujan Pravinbhai Patel: 7h Prinkaldeep Kaur: 7h Mohammad Ehteshaam :6h Syed Fauzan: 6h	6h 30m	3
		Develop an admin interface or dashboard specifically for managing booking agents.			
		Enable CRUD operations for booking agent accounts in UI and integrate with backend logic			
3.2	As a Travel manager, I want to view reports on bookings and revenue, so that I can assess the	Create a Report class	Pujan Pravinbhai Patel: 9h Prinkaldeep Kaur: 8h Mohammad Ehteshaam: 10h Syed Fauzan: 9h	9h	3
		Create a generate report button			
		Create a template or view to display the			

	business' performance.	generated reports in Report UI page			
		Add filter functionality on date and month to generate specific range report			
3.3	As a Travel manager, I want to send notifications to clients and agents if any policy changes or any promotional events are happening, so that all respected members stay up to date with information.	Create a Notification Class  Create a broadcast list Multiple check button  Setup notification system	Pujan Pravinbhai Patel: 11h Prinkaldeep Kaur: 10h Mohammad Ehteshaam :9h Syed Fauzan: 10h	10h	3

#### Epic 4: Custom Package Creation

Item Id	User Story	Task	Estimated By Member	Estimated Time to Complete	Priority
4.1	As a client, I want to select individual components, so that I can create my custom travel package.	Create "Create a custom Package" Button  Link button to Custom Package Page  Create an interface for custom package page allowing to choose from each individual component.  Implement backend and frontend logic to handle component selection	Pujan Pravinbhai Patel: 9h Prinkaldeep Kaur:9h 30m Mohammad Ehteshaam:10h Syed Fauzan: 11h	10h 30m	3
4.2	As a client, I want to view the total cost of my custom package before confirming the booking, so that I can track the expenses of my travel.	Implement frontend and backend functionality to calculate the total cost of a custom package based on selected components	Pujan Pravinbhai Patel: 3h Prinkaldeep Kaur: 2h Mohammad Ehteshaam :2h Syed Fauzan: 2h	2h 30m	3

4.3	As a client, I want to save my custom package, so that I can save it for future reference or modification.	Map Custom Package to Customer Id who created it.	Pujan Pravinbhai Patel: 2h Prinkaldeep Kaur: 2h Mohammad Ehteshaam :2h Syed Fauzan: 2h	2h	3
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#### Epic 5: Payment Processing

Item Id	User Story	Task	Estimated By Member	Estimated Time to Complete	Priority
5.1	As a client, I want to securely submit my payment information during the booking process, so that I can have secure transaction	<div>Integrate payment processing API such as STRIPE</div> <div>Implement backend functionality to securely handle and process payment information.</div> <div>Integrate frontend validation to ensure proper input of payment information</div>	Pujan Pravinbhai Patel: 30h Prinkaldeep Kaur: 25h Mohammad Ehteshaam:28h Syed Fauzan: 28h	27h	3

#### Epic 6: User Account Management

Item Id	User Story	Task	Estimated By Member	Estimated Time to Complete	Priority
6.1	As a client I want LOGIN functionality so that I can store my details of booking and payments private and secure.	<div>Create a "LOGIN" page</div> <div>Implement a "create user" functionality</div> <div>Map role to user upon creating account and store in db</div> <div>Create a client Class to store credentials</div>	Pujan Pravinbhai Patel: 8h Prinkaldeep Kaur: 7h Mohammad Ehteshaam:7h Syed Fauzan: 7h	7h 30min	1
6.2	As a booking agent, I want to create a new account with login credentials and personal information, so that I can navigate	Implement authentication functionality in both Django and Angular to handle login and session management	Pujan Pravinbhai Patel: 1h Prinkaldeep Kaur: 1h Mohammad Ehteshaam:1h Syed Fauzan: 1h	1h	1

	through customer interactions and specialized functionalities for agents.																			
		Create a Booking Agent Information class																		

### Hours to be worked per member each day of the sprint-1 (Feb-7 to Feb-26)

Member	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Pujan Pravinbhai Patel	0.5	0.5	2	0	2.5	1.5	2	1.5	3.5	0	2	1	1.5	3.5	4	5	1.5	2.5	0.5	2
Syed Fauzan	0.5	2	1.5	1.5	0	3	2.5	0.5	3	1.5	2	3	0	4	1.5	0.5	2	1	3.5	3
Prinkaldeep Kaur	1	2.5	2	3	0.5	0	2	3	2	1	0	0.5	5	2	2	3.5	1	3	1	1
Mohammad Ehteshaam	0.5	1	0	1	2	2.5	0	3.5	1.5	2	3.5	5	2	3.5	2.5	2	3.5	2.5	0	1

### Sprint backlog with task breakdown Feb-7 to Feb-26

#### Epic 1: Package Management

Item Id	Task	Estimated Time	Deadline	Responsible Member
1.1	Create a Classes for flights, hotels, activities and packages	2h	13 Feb	Syed Fauzan
	Populate packages with multiple items in viewpage	2h	13 Feb	Mohammad Ehteshaam
	Create an Angular component to display lists of travel packages in a user-friendly format and enable navigation features such as pagination	5h	14 Feb	Mohammad Ehteshaam
1.2	Develop a UI to display details of available travel packages	1h 30m	14 Feb	Pujan Pravinbhai Patel
	Create a API endpoint to handle requests for package details.	30m	14 Feb	Pujan Pravinbhai Patel
	Query the database to retrieve information about flights, hotels, and activities associated	1h	15 Feb	Pujan Pravinbhai Patel

	with the selected package			
1.3	Develop backend to handle search requests	4h	13 Feb	Prinkaldeep Kaur
	Design input fields and dropdowns for destination, date, and price range in UI and backend	1h	13 Feb	Prinkaldeep Kaur
1.4	Create an update button to modify existing travel packages	30m	14 Feb	Syed Fauzan
	Update the database records when update button is press	2h	14 Feb	Syed Fauzan
	Develop a interface to add input details for new travel packages	30m	14 Feb	Syed Fauzan
	Implement validation to ensure all required fields are filled	1h 30m	14 Feb	Syed Fauzan
	Integrate with the database to store the newly created package information	1h	15 Feb	Syed Fauzan

## Epic 2: Booking Management

Item Id	Task	Estimated Time	Deadline	Responsible Member
2.1	Create a UI where customers can review their selected travel package and confirm their booking	1h 45m	18 Feb	Pujan Pravinbhai Patel
	Store relevant information such as customer details, selected travel package, payment details, and booking status in the database	15m	19 Feb	Syed Fauzan
	Generate a unique booking ID for each transaction	30m	19 Feb	Pujan Pravinbhai Patel
	Create a database to store payment information	30m	18 Feb	Syed Fauzan
	Send booking confirmation message as notification/popup/mail	3h 30m	20 Feb	Syed Fauzan
2.2	Create API endpoints to retrieve booking details for a specific customer	2h	17 Feb	Mohammad Ehteshaam
	Design a UI component to display booking details	2h	16 Feb	Mohammad Ehteshaam
2.3	Implement a UI for clients to modify their bookings	30m	22 Feb	Prinkaldeep Kaur
	Develop backend to handle modification requests from clients	30m	22 Feb	Prinkaldeep Kaur
	Update booking details and Delete the entry of customer booking in database when	2h	23 Feb	Prinkaldeep Kaur



	cancel booking request is done from frontend			
	Send confirmation of modifications to clients	2h	23 Feb	Prinkaldeep Kaur
2.4	Implement a query to retrieve booking details including customer information, package details, and booking status from db	1h	21 Feb	Syed Fauzan
	Assign customer agent to customer upon successful booking	3h	21 Feb	Pujan Pravinbhai Patel
	Design a page to populate all customer bookings	2h	22 Feb	Pujan Pravinbhai Patel

### Epic 3: Agent Management

Item Id	Task	Estimated Time	Deadline	Responsible Member
3.1	Define a role-based access control system to distinguish booking agents from regular customers	1h 30m	9 Mar	Syed Fauzan
	Develop an admin interface or dashboard specifically for managing booking agents	2h	12 Mar	Syed Fauzan
	Enable CRUD operations for booking agent accounts in UI and integrate with backend logic	3h	18 Mar	Syed Fauzan
3.2	Create a Report class	1h	10 Mar	Pujan Pravinbhai Patel
	Create a generate report button	1h	10 Mar	Pujan Pravinbhai Patel
	Create a template or view to display the generated reports in Report UI page	4h	14 Mar	Pujan Pravinbhai Patel
	Add filter functionality on date and month to generate specific range report	3h	15 Mar	Pujan Pravinbhai Patel
3.3	Create a Notification Class	1h	10 Mar	Prinkaldeep Kaur
	Create a broadcast list Multiple check button	3h	14 Mar	Mohammad Ehteshaam
	Setup notification system	6h	18 Mar	Pujan Pravinbhai Patel

### Epic 4: Custom Package Creation

Item Id	Task	Estimated Time	Deadline	Responsible Member
4.1	Create "Create a custom Package" Button	30m	18 Mar	Prinkaldeep Kaur
	Link button to Custom Package Page	1h	18 Mar	Prinkaldeep Kaur
	Create an interface for custom package page allowing to choose from each individual component	5h	23 Mar	Syed Fauzan

	Implement backend logic to handle component selection	4h	25 Mar	Syed Fauzan
4.2	Implement frontend and backend functionality to calculate the total cost of a custom package based on selected components	2h 30m	25 Mar	Mohammad Ehteshaam
4.3	Map Custom Package to Customer Id who created it	2h	23 Mar	Mohammad Ehteshaam

#### Epic 5: Payment Processing

Item Id	Task	Estimated Time	Deadline	Responsible Member
5.1	Integrate payment processing API such as STRIP	13h	14 Apr	Pujan Pravinbhai Patel , Mohammad Ehteshaam, Prinkaldeep Kaur
	Implement backend functionality to securely handle and process payment information	12h	14 Apr	Pujan Pravinbhai Patel , Mohammad Ehteshaam , Prinkaldeep Kaur
	Integrate frontend validation to ensure proper input of payment information	2h	14 Apr	Pujan Pravinbhai Patel , Mohammad Ehteshaam , Prinkaldeep Kaur

#### Epic 6: User Account Management

Item Id	Task	Estimated Time	Deadline	Responsible Member
6.1	Create a "LOGIN" page	5h 30m	5 Apr	Syed Fauzan
	Implement a "create user" functionality	1h	6 Apr	Pujan Pravinbhai Patel
	Map role to user upon creating account and store in db	1h	8 Apr	Syed Fauzan
	Create a client Class to store credentials	30m	5 Apr	Pujan Pravinbhai Patel
6.2	Implement authentication functionality in both Django and Angular to handle login and session management	30m	5 Apr	Mohammad Ehteshaam
	Create a Booking Agent Information class	30m	5 Apr	Prinkaldeep Kaur

## Miscellaneous

Item Id	Task	Estimated Time	Deadline	Responsible Member
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7.1	Update the project backlog and sprint boards in Jira	5h	9 Feb	Pujan Pravinbhai Patel
7.2	Project Planning Sprint 1 Report	8h	11 Feb	Prinkaldeep Kaur
7.3	Get overview of Angular framework to effectively contribute to the frontend development of the project	15h	15 Feb	Pujan Pravinbhai Patel, Prinkaldeep Kaur, Mohammad Ehteshaam, Syed Fauzan
7.4	Configure continuous integration and deployment on Github	6h	12 Feb	Mohammad Ehteshaam
7.5	Organize Scrum Calls (Thrice in a Week)	3h	24 Feb	Syed Fauzan
7.6	Logging Actual Work time in Jira everyday	2h	24 Feb	Pujan Pravinbhai Patel, Prinkaldeep Kaur, Mohammad Ehteshaam, Syed Fauzan
7.7	Conduct code reviews meetings for pull requests to ensure adherence to coding standards	4h	20 Feb	Syed Fauzan
7.8	Think for Test Cases For testing backend and frontend functionality	6h	22 Feb	Pujan Pravinbhai Patel
7.9	Catch General Errors and Integration bugs	5h	24 Feb	Mohammad Ehteshaam
7.10	Document Test Cases For Successful Working of Sprint 1	6h	23 Feb	Prinkaldeep Kaur
7.11	knowledge-sharing sessions to discuss code refactoring strategies and best practices to improve the overall quality of the codebase.	6h	23 Feb	Syed Fauzan

## Risk and Plans

Risk Id	Description	Plan
8.1	Lack of experience with Django and Angular	Organize Knowledge Transfer sessions to Share Knowledge amongst the team members. Assign tasks based on each team member's strengths and interests. Regular check-ins and code reviews to ensure understanding and progress.
8.3	Lack of experience working as a team	Establish clear communication channels and guidelines for collaboration. Define roles and responsibilities for each team member. Schedule regular meetings to discuss progress, issues, and updates. Encourage open communication and feedback.

8.4	Compatibility issues due to different operating systems	Utilize version control systems (i.e. GitHub) to manage the codebase and handle any platform- specific issues as they arise. Conduct regular testing on different operating systems to identify and address any compatibility issues early on.
8.5	Integration challenges with external services (e.g., payment gateways)	Follow the documentation and guidelines provided by the external services for seamless integration. Test integration thoroughly in a controlled environment before deploying to production.
8.6	Unforeseen technical challenges or obstacles	If a task is getting delayed beyond the buffer time, seek help from fellow team members for quick guidance and work together to get it done. Document the updated code as soon it is built with quick reference notes like "Patch by Pujan – 15/2/2024" so that we can quickly revert to the old working solution, without wasting time in finding the root cause.