

Dev Masters

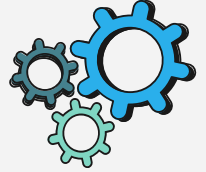
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Software Engineering Project Presentation



Product goal



Empower your travel experiences with Concordia Travel's seamless and customizable booking platform, where every journey begins with your choice.



Link and QR Code



QR code for GitHub



QR code for Jira

1. Link to GitHub - <https://github.com/calvin123xu/Travel-Booking-System/branches>
2. Link to Jira - <https://devmasters1.atlassian.net/jira/software/projects/SCRUM/boards/1/backlog>

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Product

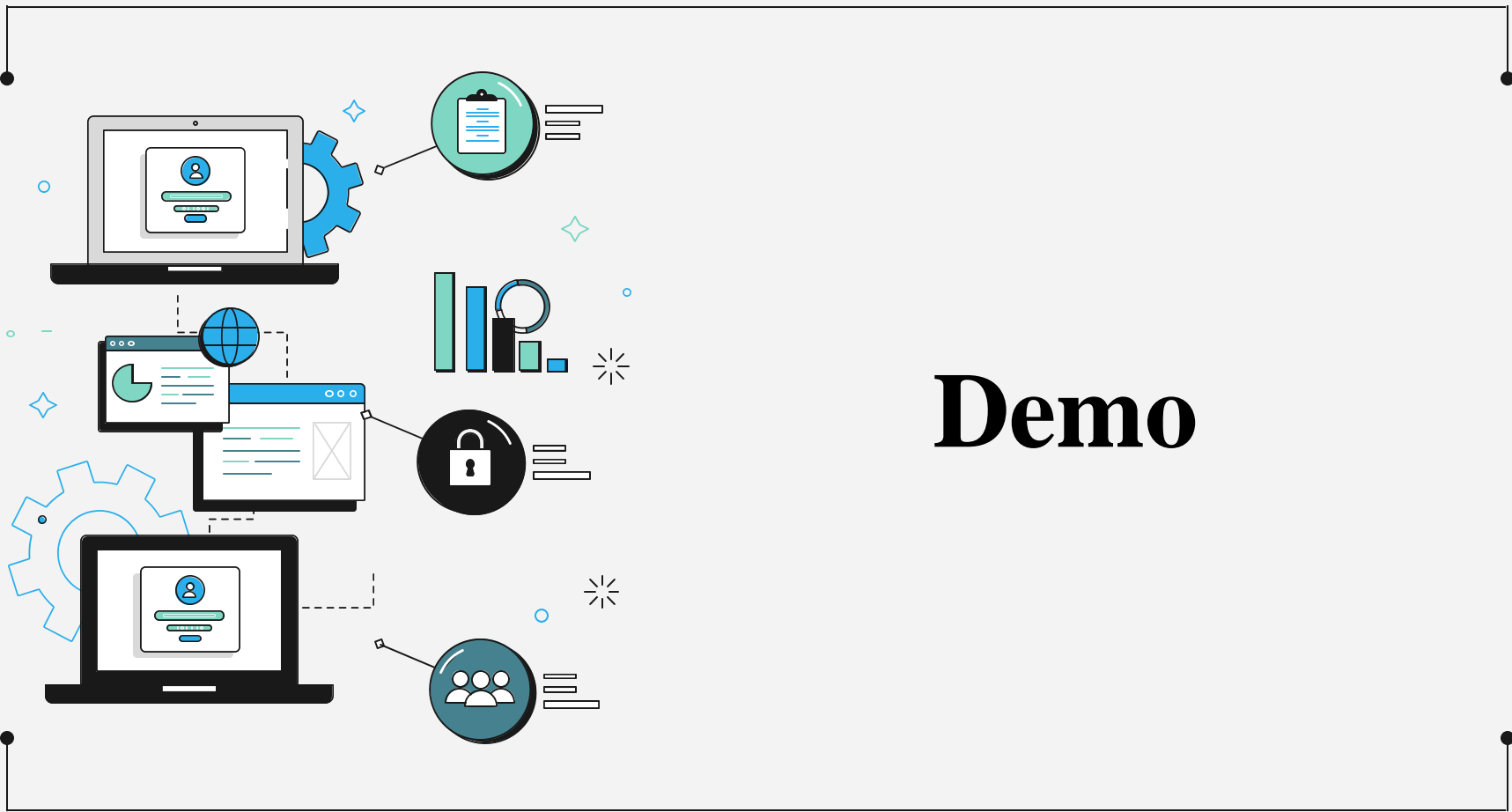
02

Process



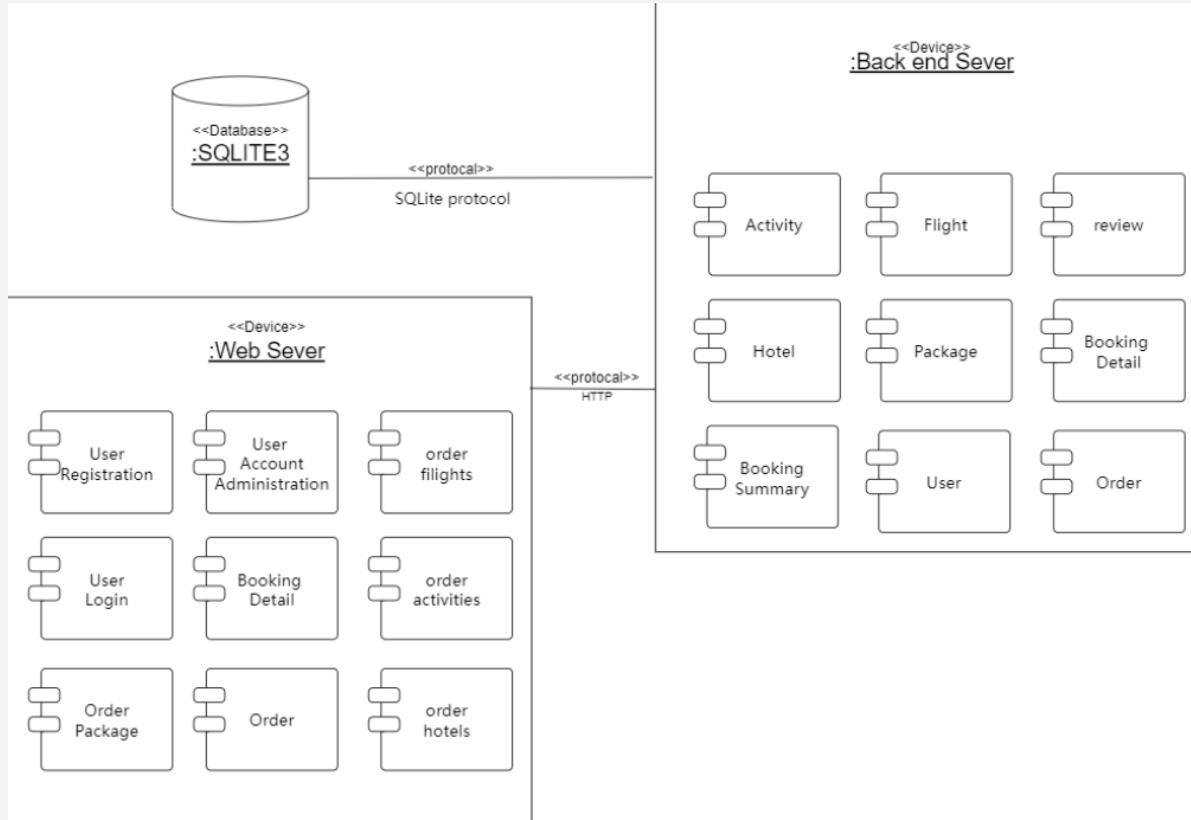


01 Product

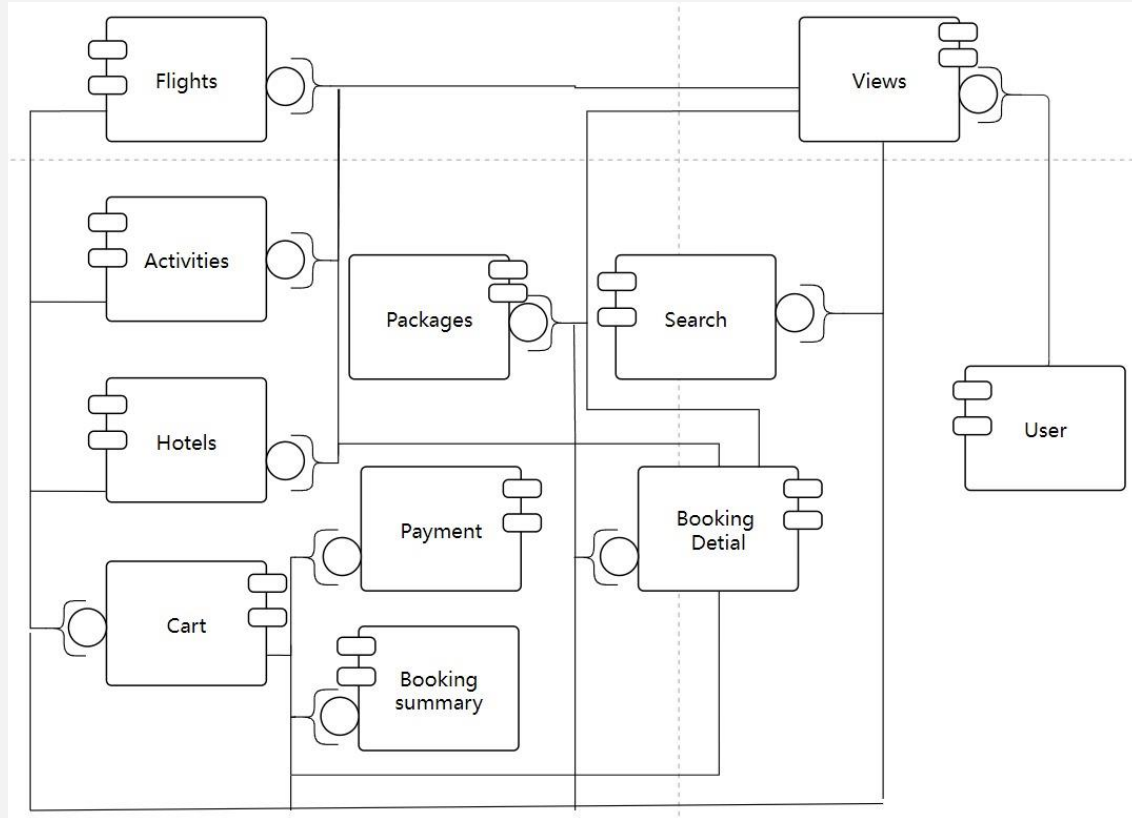


Demo

Deployment Diagram



Functional Diagram





02

Process

Planning estimation vs real time

Item ID	User Story	Tasks	Estimated time to complete	Real time
1.1	As a customer, I want to browse available travel packages to explore different options for my upcoming trip, so that I can choose the one that best fits my preferences and budget.	Adding a Button to navigate to pre-made packages.	4 h	6 h
		Create Review, Booking Details and Booking Summary Classes		
		Create pre-made package class (crud, search)		
		Action logic behind the select button		
1.2	As a customer, I want to easily select a pre-made package that includes flights, hotels, and activities for a quick and convenient travel experience, so that I can streamline the booking process and ensure a hassle-free trip.	Adding a button to select any pre-made packages	7 h	9 h
		Action logic behind the select button		
		List of pre-made packages		
1.3	As an agent, I want to modify existing travel packages by updating flight options, changing hotel choices, or adding/removing activities, so that I can keep the offerings up-to-date and relevant.	List of pre-made packages	5 h	6 h
		Button to select and modify in Django		
		Action logic behind a button in Django		
1.4	As an agent, I want to create new travel packages, including selecting flights, hotels, and activities, and set prices, so that I can offer a variety of options to customers and enhance the range of choices available.	Creating new pre-made travel packages in Django admin panel	7 h	7 h
		Creating the database in Django for adding pre-made packages		
1.5	As a user (both customer and agent), I want to be able to view or list real-time availability, pricing for each flight, hotel, and activity and total estimated price, so that it can allow effective management of bookings according to budget constraints.	Text box for displaying estimated prices for pre-made packages	5 h	6 h

Planning estimation vs real time

Item ID	UserStory	Tasks	Estimated time to complete	Real time
1	As a customer, I want to create a custom travel package by selecting individual components like flights, hotels, and activities, so that I have a personalized travel experience.	Adding a Button to search.	6 h	6 h
		Adding a Button to select each package.		
		Adding a text field to search.		
		Create activities class (crud, search).		
		Create package class (crud, search).		
2	As a customer, I wish to modify or cancel a booking with ease so that I can manage my travel plans flexibly.	Adding a Button to select.	4 h	5 h
		Action logic behind the select button.		
		List of packages.		
3	As a customer, I want to view the total cost of my travel package with all components and fees included, so that I can decide if it fits my budget.	List of packages.	4 h	7 h
		Button to select and modify.		
		Action behind buttons.		

Planning estimation vs real time

Item ID	User Story	Tasks	Estimated time to complete	Real time
1	As an agent, I want to manage travel packages and bookings, so that I can offer up-to-date options to customers.	Adding a Button to search.	6 h	7 h
		Adding a Button to select each package.		
		Adding a text field to search.		
		Create activities class (crud, search).		
		Create package class (crud, search).		
		Action logic behind the select button.		
		List of packages.		
		Button to select and modify.		
		Action behind buttons.		

Planning estimation vs real time

Item ID	User Story	Tasks	Estimated time to complete	Real time
1	As a customer, I want to confirm and pay for my booking easily, so that I can secure my travel plans.	Backend: Implement functionality to confirm bookings for flights, hotels, and activities. Develop payment processing logic to facilitate secure payments. Integrate booking confirmation and payment processing with relevant databases. Frontend: Design and develop screens for booking confirmation for flights, hotels, and activities. Implementing intuitive navigation and clear call-to-action buttons for payment processing.	5 h	6 h
2	As an agent, I need to process payments and issue confirmations to customers to ensure reliable and trustworthy service.	Backend: Develop payment processing functionality to handle various payment methods securely. Implement logic to verify payment details and ensure transaction integrity. Integrate payment gateway APIs for processing payments from customers. Create database models and schemas to store payment information securely. Develop APIs for issuing booking confirmations to customers upon successful payment processing. Frontend: Design and develop a user interface for agents to process payments and issue confirmations. Implement forms and input fields for capturing customer payment details. Create screens for agents to review and verify payment information before processing. Display confirmation messages and details to agents upon successful payment processing. Ensure the frontend application is user-friendly and intuitive for agents to navigate and use efficiently. Test the frontend functionality across different browsers and devices to ensure compatibility and responsiveness.	5 h	5 h

Planning estimation vs real time

Item ID	User Story	Tasks	Estimated time to complete	Real time
1	As a customer, I want to receive a confirmation of my booking, so that I can have a record of my travel details.	<p>Backend:</p> <p>Develop functionality to generate booking confirmations automatically upon successful completion of a booking transaction.</p> <p>Design database schemas to store booking details and confirmation information securely.</p> <p>Implement logic to send confirmation emails containing booking details to customers' provided email addresses.</p> <p>Frontend:</p> <p>Design email templates for booking confirmations, including relevant booking details such as travel dates, itinerary, and payment information.</p> <p>Integrate backend functionality to trigger the sending of confirmation emails to customers.</p> <p>Implement user interface elements to allow customers to verify their email address during the booking process to ensure accurate delivery of confirmation emails.</p> <p>Provide clear and concise messaging to customers during the booking process, informing them about the upcoming confirmation email and its importance.</p>	5 h	7 h
2	As an agent, I want to manage travel packages and bookings, so that I can offer up-to-date options to customers.	<p>Backend:</p> <p>Create APIs to retrieve travel package information for display to agents and customers.</p> <p>Develop APIs for agents to view, modify, and cancel bookings within the system.</p> <p>Frontend:</p> <p>Design an intuitive and user-friendly administrative interface for agents to manage travel packages and bookings.</p> <p>Develop functionality for agents to search and filter travel packages based on criteria such as destination, date, and price range.</p>	6 h	5 h

Planning estimation vs real time

Item ID	User Story	Tasks	Estimated time to complete	Complexity
1	As an agent, I want to handle customer accounts and bookings, including changes and cancellations, so that I can provide high-quality customer service.	<p>Backend:</p> <p>Implement logic to handle customer bookings, including reservation details, itinerary information, and payment status.</p> <p>Create APIs for agents to view customer account information, including booking history and preferences, and to make changes or cancellations as necessary.</p> <p>Frontend:</p> <p>Design user interfaces for agents to manage customer accounts, including features for account creation, login, and password recovery.</p> <p>Implement screens for agents to view customer profiles, including personal details, contact information, and booking history.</p> <p>Develop functionality for agents to create new bookings on behalf of customers, including selecting travel packages, specifying dates, and processing payments.</p> <p>Create interfaces for agents to make changes to existing bookings, such as modifying travel dates, accommodations, or activities, and handling cancellations.</p> <p>Provide agents with tools to communicate with customers regarding booking changes and cancellations, including sending notifications and processing refunds if applicable.</p>	7 h	7 h

Brief role reports

Name	Selected role and tasks for the role	Major Contribution to team
Negin Janfada	Scrum Manager <ul style="list-style-type: none">• Responsible for planning and helping developer follow the process.• Ensure that the team's processes and procedure are properly defined.• Define processes for the principal activities• If member raise process related issues, try to come up with a solution to solve the process• Make sure that developers following processes Figure out if workload is reasonable and well balanced, make corrects needed in next sprint	<ul style="list-style-type: none">▪ Documentation▪ Make sure team is following process and planning for meetings
Akhil Singh	Design Manager <ul style="list-style-type: none">• Illustrate the design method for the team, and make sure each team member understands how to use it.• Track design work and sure all design standards are being met.• Check the quality of the design; controlled and maintainable.• Help other team members with design issues. Track documenting the design process.	<ul style="list-style-type: none">▪ Frontend Development▪ Making changes in Jira

Name	Selected role and tasks for the role	Major Contribution to team
Qiaoyu Xu	Quality Manager <ul style="list-style-type: none"> Responsible for the quality of the testing and test-related work Responsible for testing standard, test plan, test procedure Make sure test plans complete and thorough Make sure that team members are recording their data, and exam these data Review all the team's quality data on a weekly basis and notifies members when quality is not high enough 	Backend Development
Saili Sanjay Shirke	Design Manager <ul style="list-style-type: none"> Illustrate the design method for the team, and make sure each team member understands how to use it. Track design work and sure all design standards are being met. Check the quality of the design; controlled and maintainable. Help other team members with design issues. Track documenting the design process. 	Frontend Development
Soureh Salarian	Support Manager <ul style="list-style-type: none"> Ensures the team is using the material correctly with proper technique and tools Creates and administers advance plans and management system Delivers the final product efficiently and affectively. 	Documentation and Daily scrums reports

• Our Process improvements

- Enhanced organizational structure
- Better task allocation
- Proficiency in utilizing tools like JIRA
- Empowered task management
- Boosted productivity
- Cohesive team dynamic



• Lessons Learned and Strategies for Future Success •

Improvements for Next Time:

- Time Management
- Continuous Testing
- User Focus
- Documentation

Lessons Learned:

- New Tools and Tech
- Communication
- Version Control





Thanks!