Project: Dynamic Packaging System

Epic: Make packages search easier

Description:

Improve the user-facing package search and booking interface to simplify navigation, surface key decision-making information earlier, and increase conversion across both static and dynamic package types.

Details:

The current booking experience is fragmented and unintuitive, requiring multiple steps before users can compare options or view accurate prices. This Epic aims to improve the overall customer journey by redesigning the search interface and booking flow to be more responsive, informative, and user-friendly.

Key pain points to address include:

- Lack of price visibility in early stages of search
- Redundant page reloads during option selection
- Complex or unclear filtering options
- Inconsistency between static and dynamic package handling

The new interface should present real-time prices earlier, support intuitive filters (destination, date, duration, departure city), and streamline the selection of services (e.g. hotels, flights, transfers) without overloading users.

Dependencies and Technical Requirements:

- **Dependency: Unified Search Integration (related Epic)** – The UI relies on a merged feed of static and dynamic products across two systems
- **Dependency: Caching and Performance Optimization (related Epic)** – Since dynamic prices (from GDS, DMCs, and channel managers) must be shown early, a caching layer is required to avoid latency and API overload
- **Requirement: Departure Dates and Duration Ranges Estimation** – To enable meaningful filtering without overloading APIs, valid date and duration ranges must be dynamically estimated
- **Constraint: GDS Sensitivity to Query Volume** – GDS suppliers penalize excessive non-converting searches; therefore, the system must optimize or limit queries based on likely demand
- **Requirement: Optimized Image Handling** – Hotel and offer images must be high quality but optimized in size and delivery time to avoid slowing down search result pages

Goal:

Deliver a responsive and conversion-focused UI that gracefully integrates with performance-sensitive backend services, improving both user experience and business outcomes.

Definition of Done

- Code committed and reviewed
- Unit and integration tests passed
- Deployed to staging or production environment
- PO and key stakeholders validated functionality and UX
- Caching and fallback logic verified for dynamic pricing results
- Logs, error states, and edge-case behaviors tested
- Image loading performance optimized and validated
- Departure date and duration logic tuned for load/performance balance
- Admin/User Manual updated with configuration and troubleshooting guidance

User Story: Show actual prices in the list of packages represented by hotels

User Story

As a Website user while searching Dynamic Holiday Packages, I want to see a list of hotels with prices, to compare the hotels by price, and fast and easily choose and book a package.

Acceptance Criteria

Given I'm a Website user:

Travel Packages Search Results Display

- Given that I have selected **Departure City, Destination Country, Hotel Region, Departure Dates, and Duration Range** in the Search Form,
- When I click the **Find** button,
- Then I receive a list of results containing **Hotel Name & Picture, Duration, Departure City, Departure Date, Package Duration, and Package Price**.

Available Destination Countries Filtering

- Given that I have selected a **Departure City** in the Search Form,
- When I click the Destination **Country** field,
- Then I receive a list of **available Destination Countries** for this Departure city from the selected tour operator.

Available Regions Filtering

- Given that I have selected a **Departure City** and a **Destination Country** in the Search Form,
- When I click the **Hotel Region** field,
- Then I receive a list of **available Hotel Regions** within the selected country for this Departure city from the selected tour operator.

Available Departure Dates Filtering

- Given that I have selected a **Departure City, Destination Country, and Hotel Region** in the Search Form,
- When I click the **Departure Date** field,
- Then I receive a drop down Calendar with highlighted **available Departure Dates** starting from tomorrow.
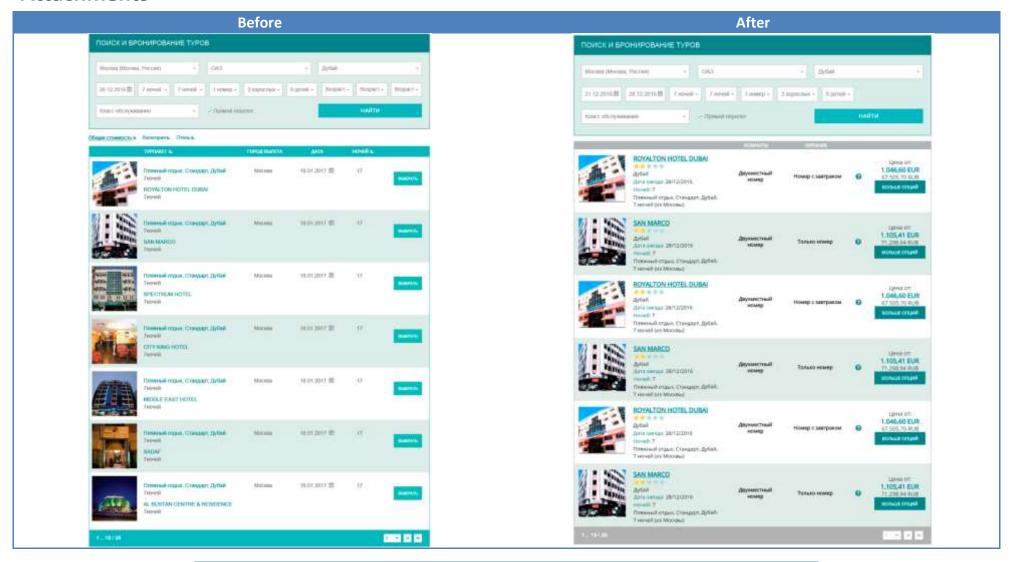
Available Durations Filtering

- Given that I have selected a **Departure City, Destination Country, Hotel Region, and Departure Date** in the Search Form,
- When I click the **Duration From** field,
- Then I receive a list of **available Durations** for the selected criteria.

Travel Packages Details Display

- Given that I have received a list of Packages with Hotel **Names & Pictures** and Package Prices,
- When I click the **Select** button next to a Hotel,

- Then I am redirected to a detailed tour page displaying the **selected Hotel, Departure Date, and Duration**.
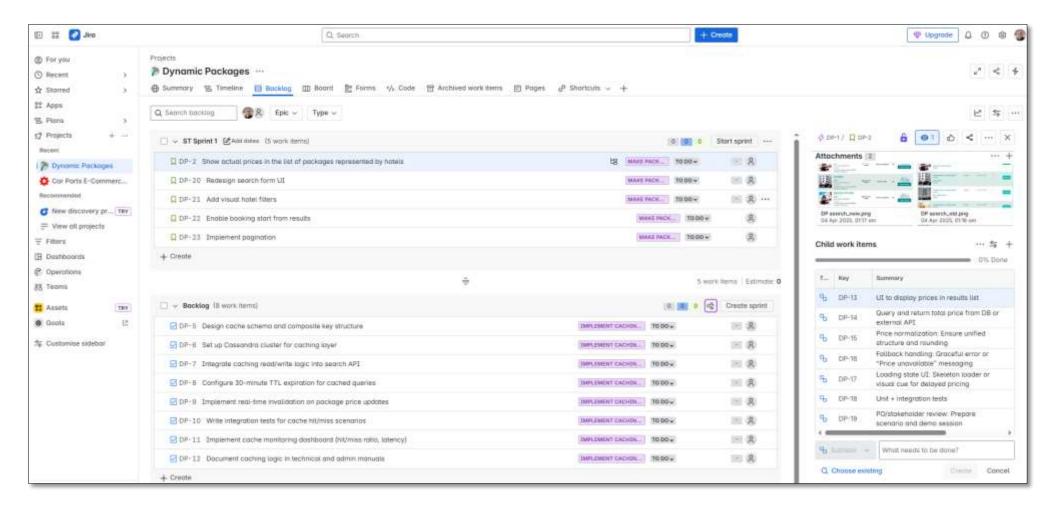
Attachments

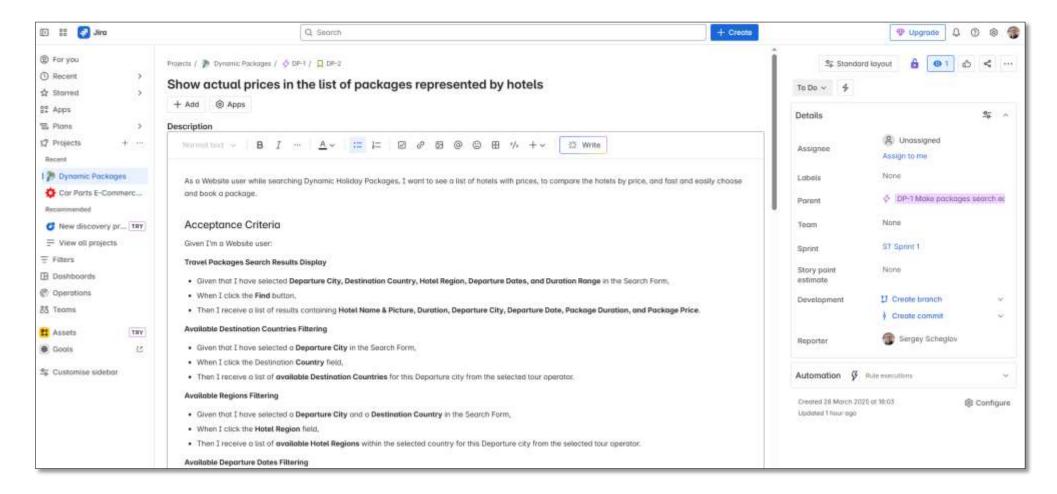| Before	After

Jira Screenshots

Backlog

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Use case

Use case with child work items

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