

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.

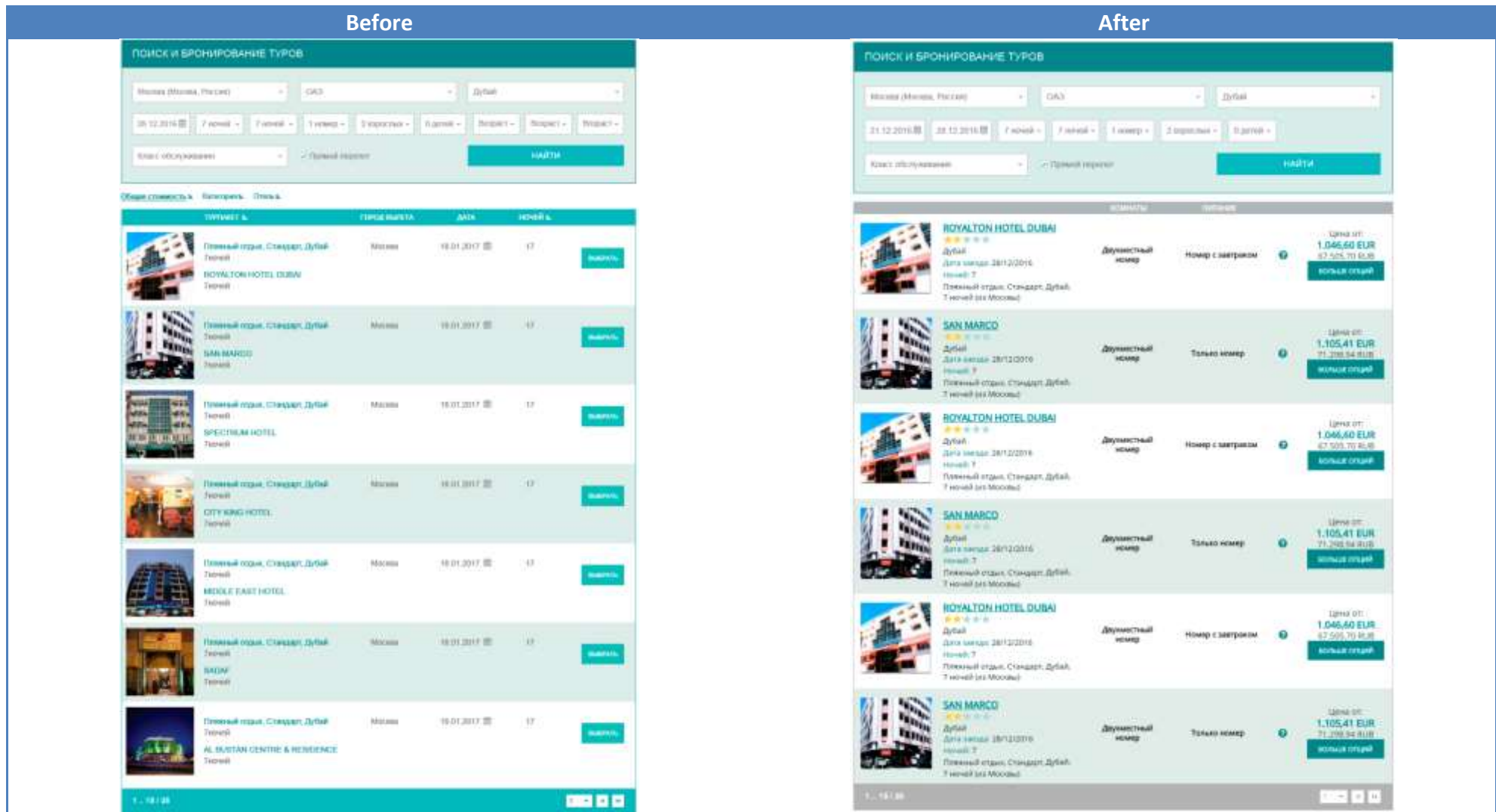
Available Durations Filtering

- 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



Jira Screenshots

Backlog

The screenshot displays the Jira Backlog for the 'Dynamic Packages' project. The interface is divided into several sections:

- Left Sidebar:** Contains navigation links for 'For you', 'Recent', 'Starred', 'Apps', 'Plans', 'Projects', 'Recent', 'Dynamic Packages', 'Car Parts E-Commerc...', 'Recommended', 'New discovery pr...', 'View all projects', 'Filters', 'Dashboards', 'Operations', 'Teams', 'Assets', 'Goals', and 'Customise sidebar'.
- Top Bar:** Includes a search bar, a '+ Create' button, and an 'Upgrade' button.
- Project Header:** Shows 'Dynamic Packages' with tabs for 'Summary', 'Timeline', 'Backlog' (selected), 'Board', 'Forms', 'Code', 'Archived work items', 'Pages', and 'Shortcuts'.
- Backlog View:**
 - ST Sprint 1:** A section titled 'ST Sprint 1' with 5 work items. Each item has a key (e.g., DP-2), a summary (e.g., 'Show actual prices in the list of packages represented by hotels'), a 'MAKE PACK' button, and a '10 00' estimate. A 'Start sprint' button is also present.
 - Backlog:** A section titled 'Backlog' with 8 work items. Each item has a key (e.g., DP-5), a summary (e.g., 'Design cache schema and composite key structure'), an 'IMPLEMENT CACHIN...' button, and a '10 00' estimate. A 'Create sprint' button is also present.
- Right Panel:**
 - Attachments:** Displays two attachments: 'DP search_new.png' and 'DP search_old.png', both dated '04 Apr 2025, 01:17 am'.
 - Child work items:** A section titled 'Child work items' with a progress bar showing '0% Done'. It contains a table of child items:

Key	Summary
DP-13	UI to display prices in results list
DP-14	Query and return total price from DB or external API
DP-15	Price normalization: Ensure unified structure and rounding
DP-16	Fallback handling: Graceful error or "Price unavailable" messaging
DP-17	Loading state UI: Skeleton loader or visual cue for delayed pricing
DP-18	Unit + integration tests
DP-19	PO/stakeholder review: Prepare scenario and demo session

At the bottom of the right panel, there is a 'Summary' section with a text input field containing 'What needs to be done?' and buttons for 'Choose existing', 'Create', and 'Cancel'.

Use case

The screenshot shows a Jira issue page for the project 'Dynamic Packages'. The issue title is 'Show actual prices in the list of packages represented by hotels'. The issue is currently unassigned and is linked to the parent issue 'DP-1 Make packages search...'. The description of the issue is as follows:

Description

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

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- 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

The right sidebar shows the issue details, including the assignee (Unassigned), labels (None), parent issue (DP-1 Make packages search...), team (None), sprint (ST Sprint 1), story point estimate (None), development (Create branch, Create commit), and reporter (Sergey Scheglov). The bottom of the sidebar shows the automation rule executions and the issue's creation and update timestamps.

Use case with child work items

The screenshot displays a Jira issue page for 'DP-1 Make packages search et'. The page includes a search bar, a 'Create' button, and an 'Upgrade' button. The issue is categorized under 'Projects / Dynamic Packages / DP-1 / DP-2'.

Acceptance Criteria:

- 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**.

Definition of Done (DoD)

- Code is implemented, reviewed, and merged.
- Acceptance criteria are met and verified in staging.
- Automated and manual testing is completed (no critical bugs).
- API responses and database queries return expected results.
- UI is responsive and follows design specifications.
- The feature is deployed to the production environment.
- Documentation is updated (user guides, API docs, etc.).

Attachments

DP_search_new.png (04 Apr 2025, 01:17 am) DP_search_eld.png (04 Apr 2025, 01:16 am)

Child work items

Type	Key	Summary	Priority	Assignee	Status
DP	DP-13	UI to display prices in results list	Medium	Unassigned	70 00%
DP	DP-14	Query and return total price from DB or external API	Medium	Unassigned	70 00%
DP	DP-15	Price normalization: Ensure unified structure and rounding	Medium	Unassigned	70 00%
DP	DP-16	Fallback handling: Graceful error or "Price unavailable" messaging	Medium	Unassigned	70 00%
DP	DP-17	Loading state UI: Skeleton loader or visual cue for delayed pricing	Medium	Unassigned	70 00%
DP	DP-18	Unit + integration tests	Medium	Unassigned	70 00%
DP	DP-19	PO/stakeholder review: Prepare scenario and demo session	Medium	Unassigned	70 00%

Details

Assignee: Unassigned (Assign to me)

Labels: None

Parent: DP-1 Make packages search et

Team: None

Sprint: ST Sprint 1

Story point estimate: None

Development: Create branch, Create comment

Reporter: Sergey Shcheglov

Automation Run automations

Created 28 March 2025 at 18:02 Updated yesterday Configure