* Full name: Iván Kaleb Ramírez Torres
* NAO ID: 3357
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* Name of the pathway in which you are enrolled: Bécalos Techno Ready
* Title of the Challenge: **Challenge 2 – Back End Java for Information Processing**

# Tracking Tables

## Table 1 – Requirements list

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| --- | --- |
| Sprint | Requirements |
| Sprint 1:  As a new customer, I want to make a new backlog so that I can manage all of Challenge 2 requirements. | Create a presentation that documents:   * The basic concepts of the SCRUM methodology * The characteristics of a JSON and a CSV file * Include descriptive comments in the code to explain the basic functionality of each developed component |
| Sprint 2 | • Homepage or section showing “new arrivals.” • Product filtering and sorting options. • Product images, descriptions, and prices clearly displayed. |
| Sprint 3 | • Shopping cart view with list of items and quantities. • Automatic calculation of total cost. • Option to update/remove items and see updated total immediately. |
| Final Project | • Admin dashboard with list of all orders. • Order details: customer info, products, quantities, delivery address. • Ability to filter/sort orders by delivery date or status. |

## Table 2: Prioritize list – Challenge 2

|  |  |  |  |
| --- | --- | --- | --- |
| Requirements | Stage | Time estimation | Deliverables |
| Create a presentation that documents:   * The basic concepts of the SCRUM methodology * The characteristics of a JSON and a CSV file * Include descriptive comments in the code to explain the basic functionality of each developed component | Stage 1 – Plan  Stage 2 – Roadmap  Stage 3 – Project documentation | ~3h  ~1h  ~6h | **1**. Plan:   * Backlog (PDF) * Roadmap (PDF)   **2**. Develop:   * Project documentation in PDF format Upload the ZIP folder by clicking the **Subir actividad** button. |
| “New arrivals” browsing with filter/sort; product cards with image/price/description | Stage 1 – Product listing  Stage 2 – Dynamic catalog  Stage 3 – Filtering/sorting | ~4h  ~5h  ~3h | Static product cards with name, price, image.  API integration to fetch products and show “new arrivals”  Dropdown filters and sorting options working in frontend. |
| Cart view with items/quantities, auto-calculated total, update/remove with instant recalculation | Stage 1 – Add/remove ítems  Stage 2 – Quantity update & totals  Stage 3 – Persistence | ~6h  ~5h  ~3h | Cart page, add/remove item buttons.  Quantity controls, auto-update of subtotal/total.  Cart saved in session/local storage or DB. |
| Admin dashboard listing orders with customer/delivery info; filter/sort by date/status | Stage 1 – Checkout summary  Stage 2 – Payment API  Stage 3 – Confirmation & receipt | ~6h  ~12h  ~6h | Checkout page with order details and total.  Integration with Stripe/PayPal sandbox.  Order confirmation page and automatic email receipt. |
| Secure checkout with credit card/PayPal, pre-payment summary, confirmation + email receipt | Stage 1 – Basic dashboard  Stage 2 – Order details  Stage 3 – Filters & updates | ~6h  ~6h  ~6h | Page with static table of orders.  View for customer info, products, delivery address.  Filtering by date/status, update status functionality |

As the User Stories was an exercise already made in Challenge 1, All this backlog was made according to Challenge 2 requirements for All 3 Sprints and Final Project.