TechnoReady In-Mexico
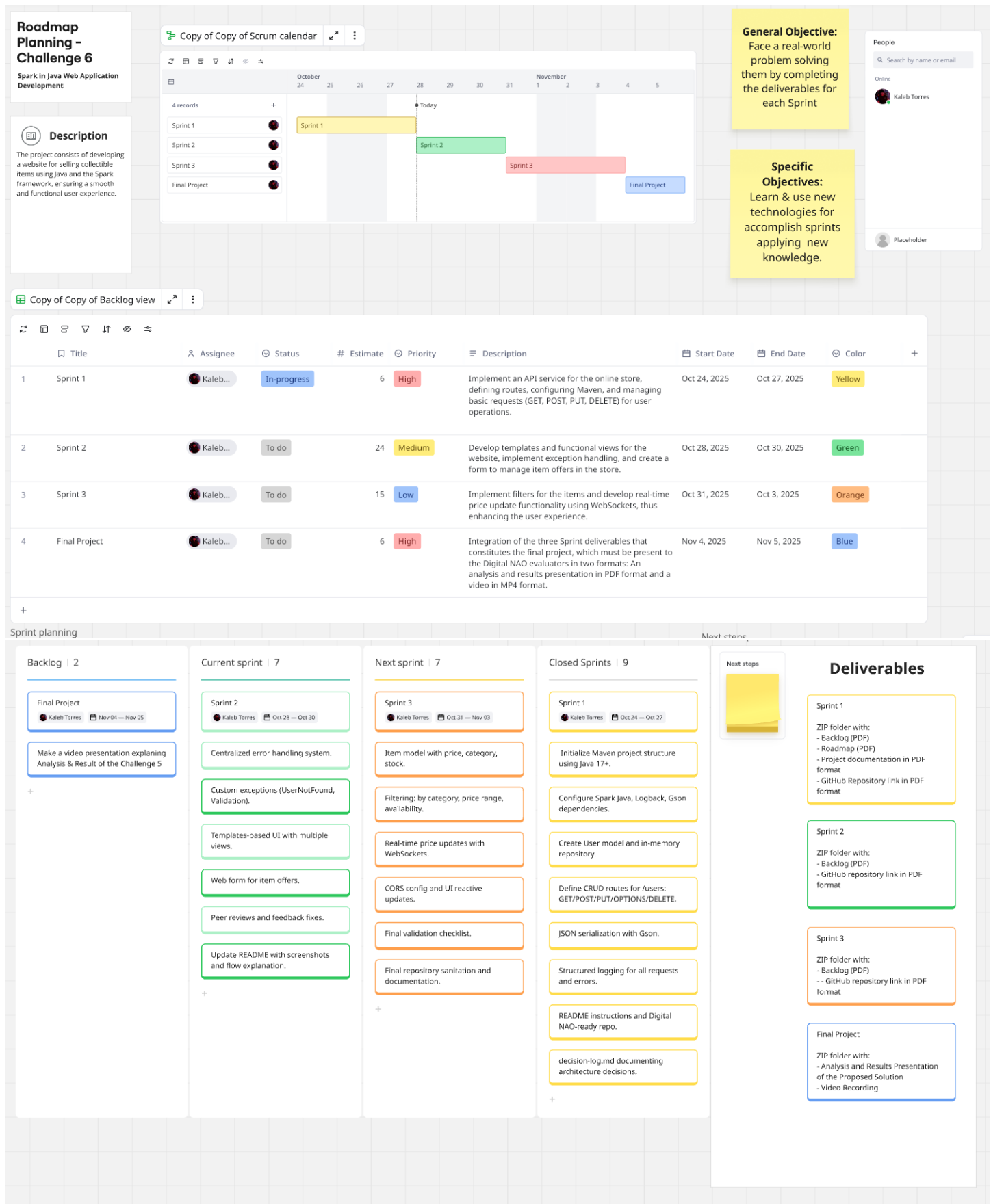
Challenge 6 – Spark in Java Web Application Development

Iván Kaleb Ramírez Torres

Nao ID: 3357

October 27th, 2025

Roadmap Planning – Challenge 6

Spark in Java Web Application Development

Description

The project consists of developing a website for selling collectible items using Java and the Spark framework, ensuring a smooth and functional user experience.

Copy of Copy of Scrum calendar

4 records

	October						November				
	24	25	26	27	28	29	30	31	1	2	3	4	5

Today

- Sprint 1
- Sprint 2
- Sprint 3
- Final Project

Sprint 1 — Sprint 2 — Sprint 3 — Final Project

People

Search by name or email

Online
- Kaleb Torres

Placeholder

Copy of Copy of Backlog view

	Title	Assignee	Status	# Estimate	Priority	Description	Start Date	End Date	Color
1	Sprint 1	Kaleb...	In-progress	6	High	Implement an API service for the online store, defining routes, configuring Maven, and managing basic requests (GET, POST, PUT, DELETE) for user operations.	Oct 24, 2025	Oct 27, 2025	Yellow
2	Sprint 2	Kaleb...	To do	24	Medium	Develop templates and functional views for the website, implement exception handling, and create a form to manage item offers in the store.	Oct 28, 2025	Oct 30, 2025	Green
3	Sprint 3	Kaleb...	To do	15	Low	Implement filters for the items and develop real-time price update functionality using WebSockets, thus enhancing the user experience.	Oct 31, 2025	Oct 3, 2025	Orange
4	Final Project	Kaleb...	To do	6	High	Integration of the three Sprint deliverables that constitutes the final project, which must be present to the Digital NAO evaluators in two formats: An analysis and results presentation in PDF format and a video in MP4 format.	Nov 4, 2025	Nov 5, 2025	Blue

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Sprint planning

Next steps

Backlog | 2

Final Project
Kaleb Torres | Nov 04 — Nov 05

Make a video presentation explaing Analysis & Result of the Challenge 5

Current sprint | 7

Sprint 2
Kaleb Torres | Oct 28 — Oct 30

Centralized error handling system.

Custom exceptions (UserNotFound, Validation).

Templates-based UI with multiple views.

Web form for item offers.

Peer reviews and feedback fixes.

Update README with screenshots and flow explanation.

Next sprint | 7

Sprint 3
Kaleb Torres | Oct 31 — Nov 03

Item model with price, category, stock.

Filtering: by category, price range, availability.

Real-time price updates with WebSockets.

CORS config and UI reactive updates.

Final validation checklist.

Final repository sanitation and documentation.

Closed Sprints | 9

Sprint 1
Kaleb Torres | Oct 24 — Oct 27

Initialize Maven project structure using Java 17+.

Configure Spark Java, Logback, Gson dependencies.

Create User model and in-memory repository.

Define CRUD routes for /users: GET/POST/PUT/OPTIONS/DELETE.

JSON serialization with Gson.

Structured logging for all requests and errors.

README instructions and Digital NAO-ready repo.

decision-log.md documenting architecture decisions.

Next steps

Deliverables

Sprint 1

ZIP folder with:
- Backlog (PDF)
- Roadmap (PDF)
- Project documentation in PDF format
- GitHub Repository link in PDF format

Sprint 2

ZIP folder with:
- Backlog (PDF)
- GitHub repository link in PDF format

Sprint 3

ZIP folder with:
- Backlog (PDF)
- - GitHub repository link in PDF format

Final Project

ZIP folder with:
- Analysis and Results Presentation of the Proposed Solution
- Video Recording

Para una mejor visualización, visitar:

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