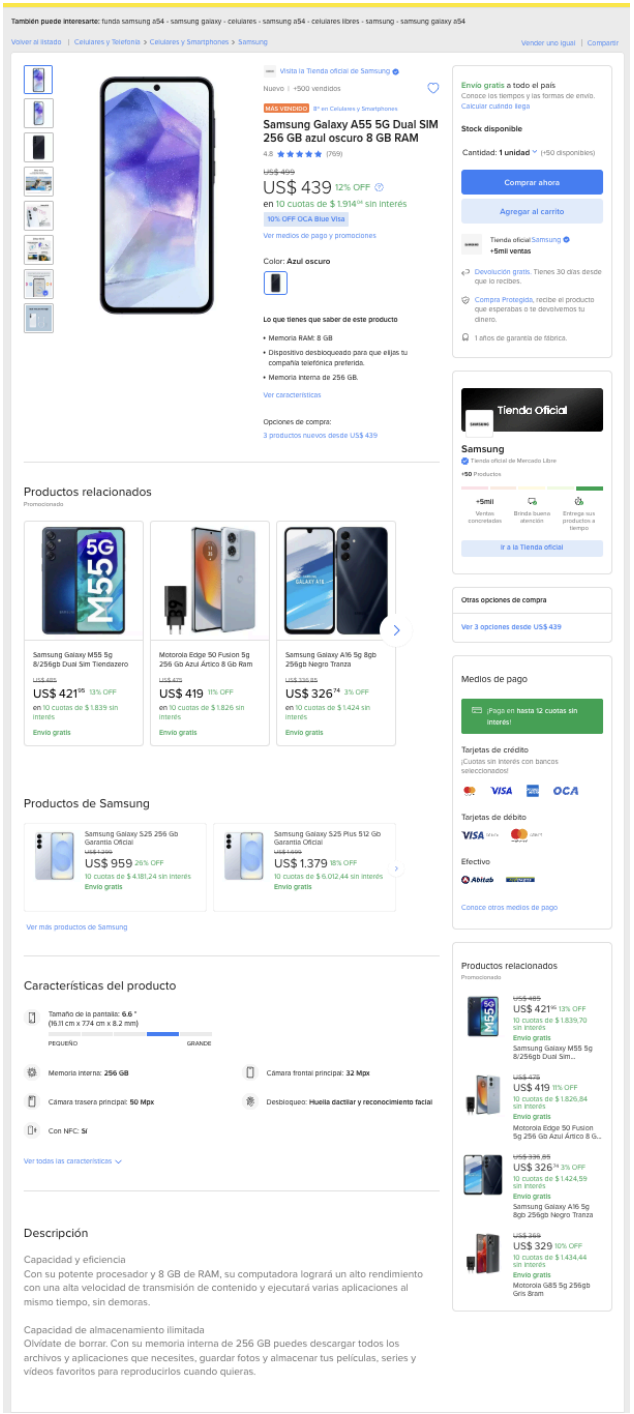
Technical challenge

Async work

Objective

Build a prototype for an item detail page inspired by MercadoLibre



Also, build its supporting backend API. This exercise will test your ability to design and implement both a frontend view and backend functionality under time constraints.

Requirements

1. Frontend: Items Page
Design & Functionality:

- Create an item detail page that mimics the look and feel of MercadoLibre.

The page should display key information such as:

- Product images
- Title and description
- Price
- Payment methods
- Seller information
- Additional details (e.g., ratings, reviews, or available stock)
- Recommendations isn't required
- Checkout logic is not required

User Experience:

- Ensure the page is responsive and user-friendly.

Stack:

- You can use any frontend technology or framework of your choice.

2. Backend: API Development
API Endpoints:

- Implement a RESTful API that supports the frontend by providing the necessary product details
- The primary endpoint should fetch product details

Stack:

- You can use any backend technology or framework of your choice
- Do not use real databases, persist everything in local JSON or CSV files

Non-functional requirements:
Proper error handling, documented, at least 80% code coverage

Tool Usage
Allowed Tools: You may use and are encouraged to use GenAI tools, agentic IDEs, and other code assistance tools to help generate ideas or code.
Note: The final submitted code should reflect your understanding and modifications. Be prepared to explain the solution.

3. Documentation:
Along with your code submission, include a brief (1-2 page) document that:

- Explains your design choices.
- Describes any challenges you faced and how you addressed them.

4. Submission
Provide a link to your repository or a zipped project folder.
It must contain a run.md explaining how to run the project