

QUOTE NON-RELATIONAL DATABASES FOR STORING JSON DATA

Customer information

Name: Tattler
Tel: (55) 1234-5678
Address: Monterrey

Workflow

Sprint 1: Planning and Analysis about Develop a database in MongoDB

Sprint 2: Develop a RESTful API using Express.js and MongoDB

Sprint 3: Develop new features for the RESTful API to enable search and filtering functionality

SPRINT 1: 18 WORK HOURS

*Quote valid for 15 business days from the date of issue

CONCEPT	COST	QUANTITY	TOTAL
Planning and analysis	\$1000	1	\$1000
Upload a database backup file	\$200	1	\$200
Import data from CSV files	\$50	10	\$500
Technical Report with screenshots	\$300	1	\$300
		Sub-total	\$1350
		IVA (16%)	\$216
		TOTAL	\$2000

we appreciate your preference!

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SPRINT 2: 40 WORK HOURS

CONCEPT	COST	QUANTITY	TOTAL
Development of RESTful API with Express.js and MongoDB	\$2500	1	\$2500
GitHub repository configuration and documentation (README)	\$400	1	\$400
Implementing API tests in Postman/Insomnia	\$600	10	\$600
Code reviews (Peer Reviews) and quality assurance	\$500	1	\$500
Sub-total			\$4000
IVA (16%)			\$640
TOTAL			\$4640

Conditions

- Our total price doesn't include IVA
- A 50% deposit is required at the start of the project, with the balance due upon delivery of the final project. No refunds will be issued once the contract has been signed.
- At the start of each Sprint, a delivery date will be mutually agreed upon with the client.
- If the client requests additional modifications, a new quote will be provided, and the delivery dates will be adjusted accordingly.

IMPORTANT: Changes during development may impact delivery dates.

we appreciate your preference!

CONTACT INFORMATION

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BANK DETAILS

Bank	BBVA
Account name	Sofía Pérez Guzmán
Account number	1544633799

SUSTAINABILITY (LONG-TERM MAINTENANCE)

- **Code Documentation and Organization** to allows new developers to quickly integrate into the project and current developers to find and modify code sections without having to "re-discover" how everything works.

- **Peer Reviews:** To detect errors and document solutions is one of the most important practices for sustainability.

- **Functionality Testing:** By including tests in Postman or Insomnia, a "safety net" is created. In the future, when changes are made or new features are added, these tests can be run to verify that existing functionality has not been broken, making maintenance much safer and more predictable.

SCALABILITY (GROWTH CAPACITY)

- **Selected Technology:** The choice of MongoDB and Express.js (on Node.js) is inherently scalable. MongoDB is a NoSQL database designed to scale horizontally (by adding more servers), and Node.js is excellent for handling a large number of simultaneous connections with low resource consumption, making it ideal for an API that could serve many users.

- **RESTful API Structure:** This architecture allows for new endpoints (features) or even new services (microservices) to be added in the future without rewriting the entire project.

- **Centralized GitHub Repository** for managing complexity and automating deployments.

we appreciate your preference!
