

Object-oriented Analysis and Design with UML <u>Diagrams Documentation</u>

This document provides an overview of various diagrams based on our project. Each diagram represents a critical aspect of the project's design, functionality, and timeline.

For reference, our project aims to develop a website that provides a wealth of information about the Paris 2024 Olympic Games.

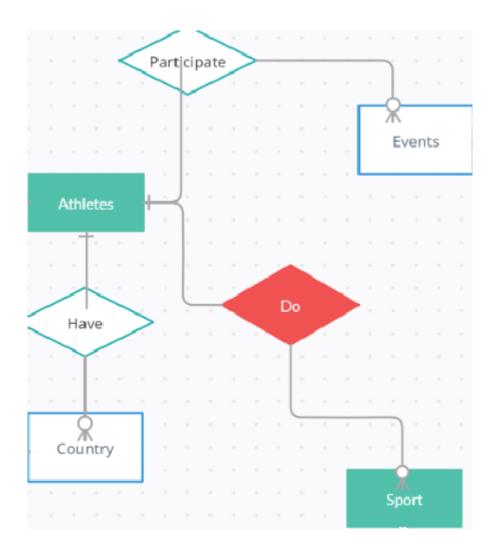
Informations and sources come from a database.

You will find below, a detailed explanation of each diagram along with its purpose.

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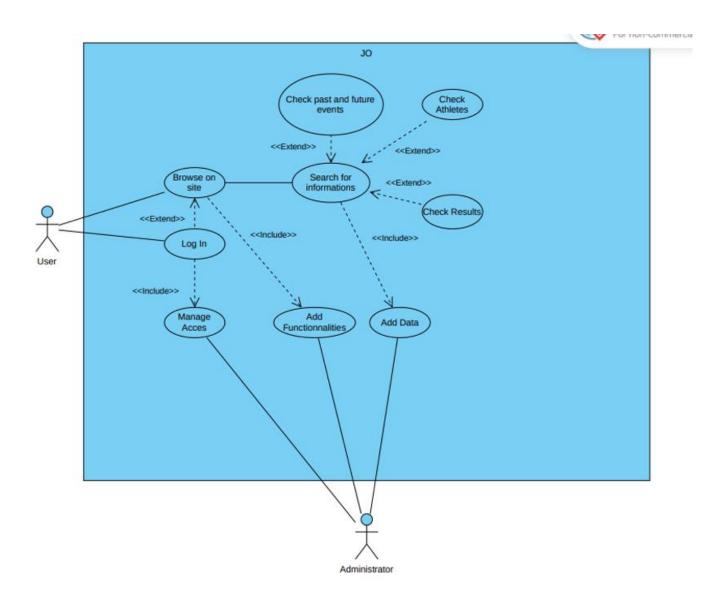
1. ER Diagram



This Diagram typically illustrates the relationships between our entities.

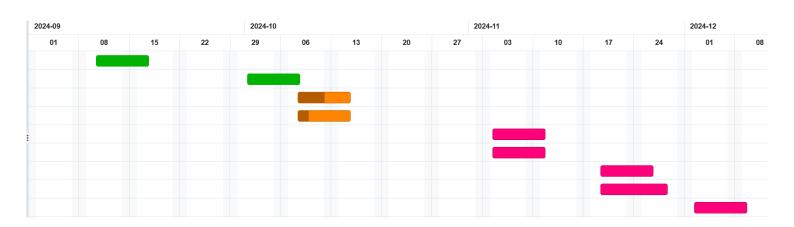
It displays entities with their attributes and relationships depicted through connecting lines.

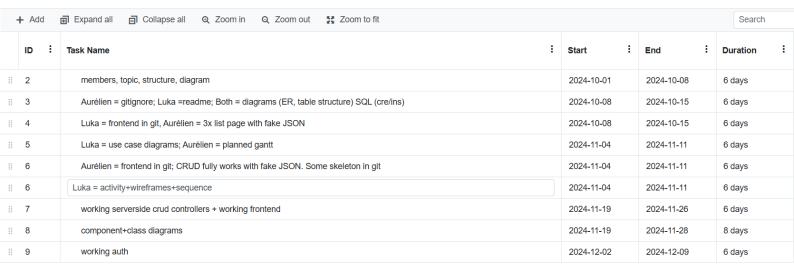
2. Use Case Diagram



This Diagram represents functional interactions in our system, showing how various actors (users or administrators in our case) engage with specific functionalities of our project.

3. Gantt Diagram





This Diagram shows our project timeline and task schedule. (At the beginning of our project)

Colors show task status evolutions.

Green = Done

Orange = Doing it

Pink = Not started

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2		Aurélien :gitignore Both : diagrams (ER, table																
3		Both : frontend in git + 3x list page with fake J																
4		Luka : use case diagrams, Aurélien : planned																
10		Luka : Update Use case diagram																
5		Aurélien : frontend in git; CRUD fully works wit																
6		Luka : activity+wireframes+sequence																
7		Both : working serverside crud controllers + w																
8		Luka : component+class diagrams																
12		Aurélien : Authentification																
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ii	3	Both : frontend in git + 3x list page with fake J	IS	2024-10-0	8	2024-10-15		6 days		100								
ii	4	Luka : use case diagrams, Aurélien : planned	g	2024-10-0	8	2024-10-15		6 days		100								
ii.	10	Luka : Update Use case diagram		2024-10-2	1	2024-10-25		5 days		100								
ii	5	Aurélien : frontend in git; CRUD fully works wi	it	2024-11-0	4	2024-11-11		6 days		100								
H	6	Luka : activity+wireframes+sequence		2024-11-0	4	2024-11-11		6 days		100								
ii.	7	Both : working serverside crud controllers + w	/o	2024-11-19	9	2024-11-29		9 days		100								
ii	8	Luka : component+class diagrams		2024-11-19	9	2024-11-29		9 days		100								
ii	12	Aurélien : Authentification		2024-11-28	3	2024-12-09		8 days		100								
ii	9	Luka : Update diagrams		2024-12-0	4	2024-12-05		2 days		100								
***	8	Luka : component+class diagrams		2024-11-1	9	2024-11-29	9	9 days		100								
ii.	12	Aurélien : Authentification		2024-11-2	8	2024-12-09	9	8 days		100								
::	9	Luka : Update diagrams		2024-12-0	14	2024-12-0	5	2 days		100								
ii	11	Luka : Last update diagrams		2024-12-0	19	2024-12-12	2	4 days		100								

This one, schedule our project until the end.

2024-12-09

Again, the colors show changes in task status (although you will probably only see a green color because the tasks are now completed).

4 days

100

2024-12-12

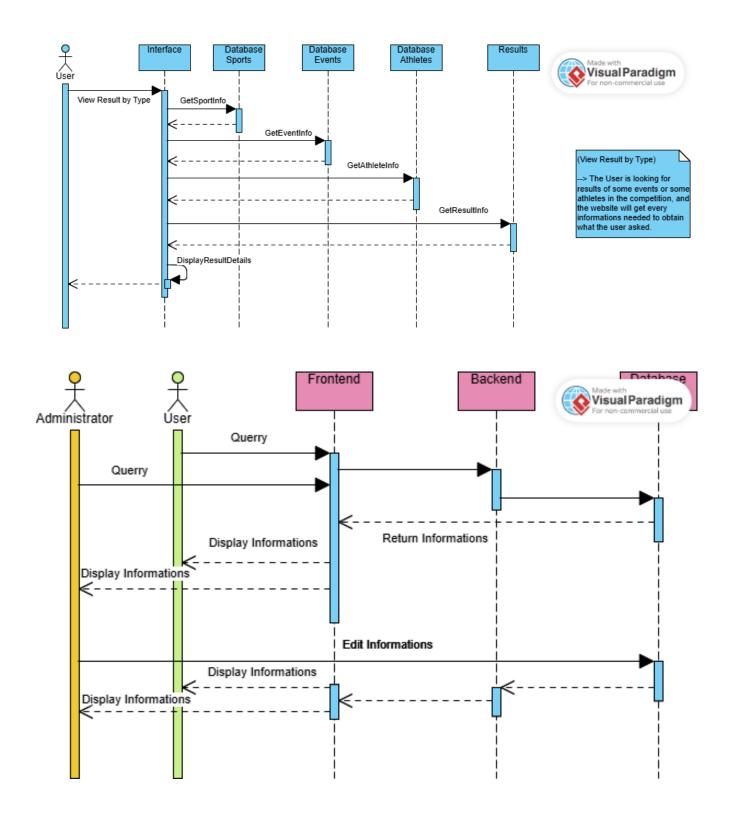
Green = Done

Aurélien : Last css working

Orange = Doing it

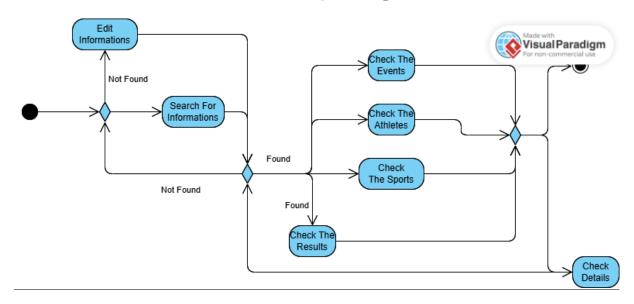
Pink = Not started

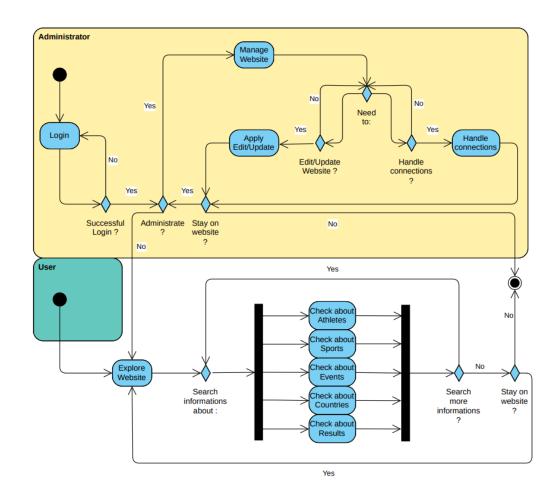
4. Sequence Diagram



This Diagram represents how objects in our system interact in a timesequenced manner, detailing the flow of messages between components.

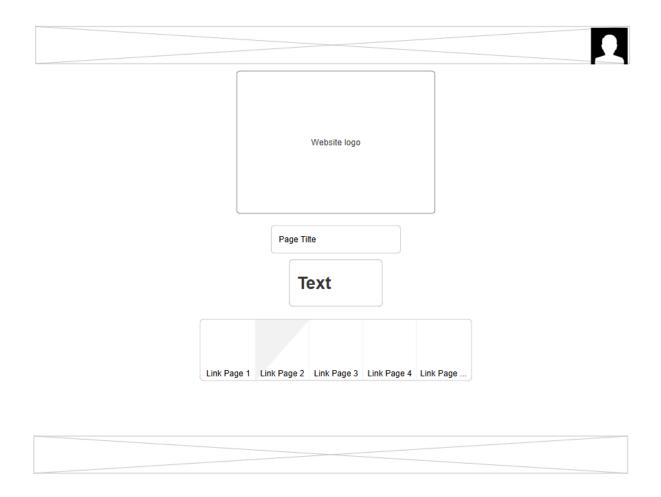
5. Activity Diagram





This Diagrams are some flowcharts describing workflows in a system, illustrating processes, decisions, and parallel activities.

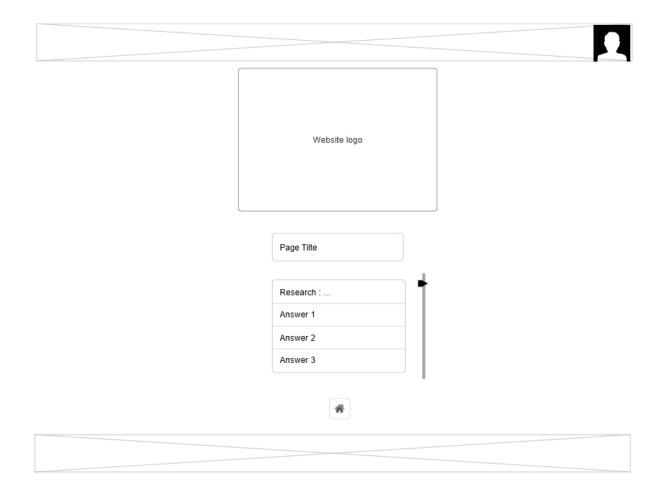
6. Wireframe Diagram



This Diagram represents a skeletal blueprint of our webpage, focusing on layout and functionality without visual design.

This first page represents a sketch of our Home Page.

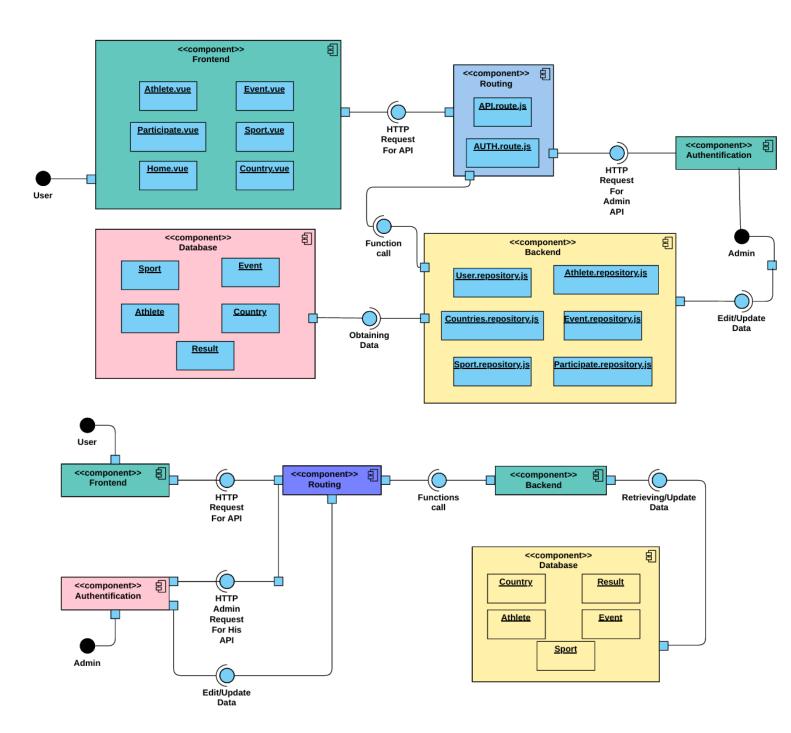
After connecting or not, the user will be able to access our other pages by clicking on a link in the middle of the page.



This second page represents typical research means for the user.

He'll be able to access information provided by the Database that will be displayed in small windows on his screen.

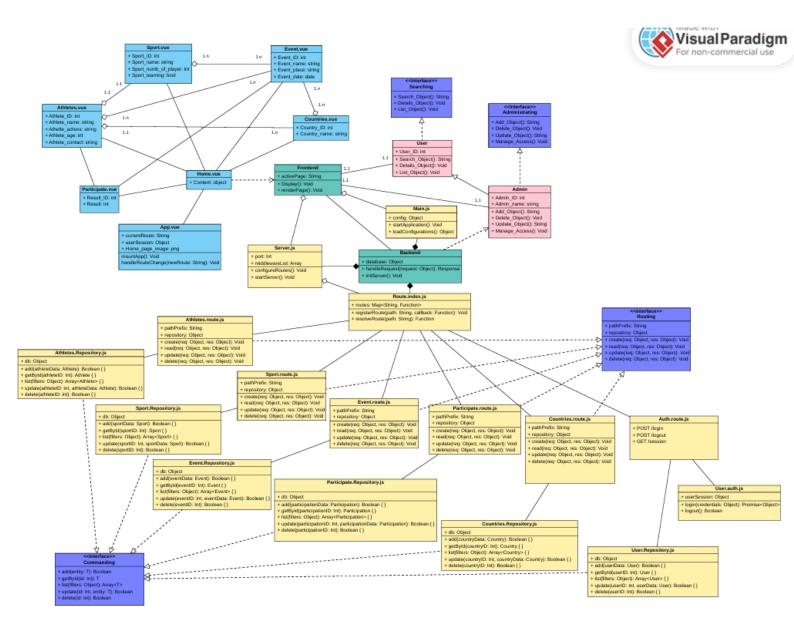
7. Component Diagrams



This Diagrams provide some high-level view of the system's architecture by depicting its components and their relationships.

Components represent modular parts of our system.

8. Class Diagram



This diagram is another detailed structural representation for objectoriented design of our project.

It includes the definition of our classes, their attributes, their methods, and the relationships between them, helping visualize our overall system organization.

Conclusion

This document provides a comprehensive overview of our project's design and structure.

The diagrams included here are essential for understanding our project's functionalities and development timeline.

You will also find outside this documentation, pdf files, for diagrams such as the Gantt as well as the Class, to see more information (because of their size).