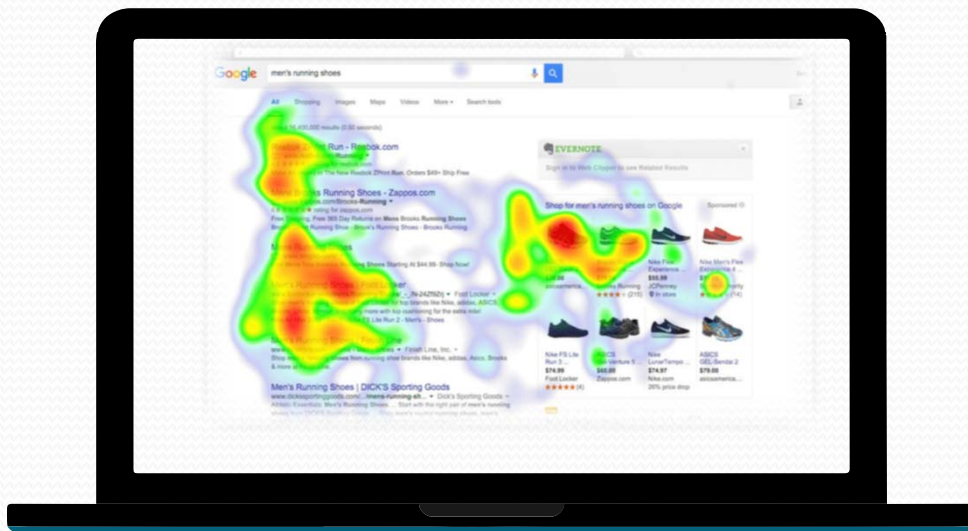


MINI-PROJECT

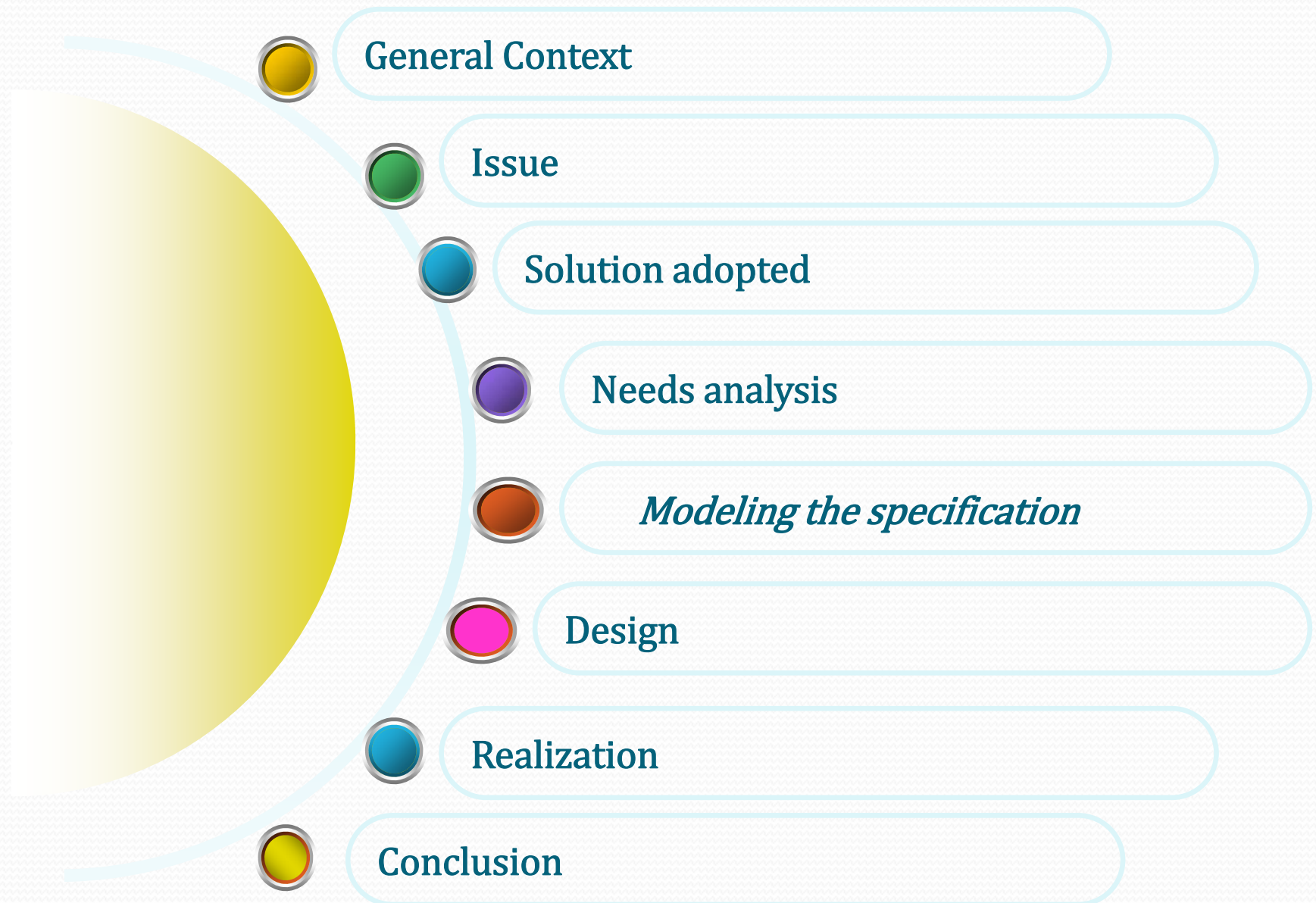
Design and development of an administrative system for the management of an elementary school



- **Realized by :**
Hala SLIMEN
- **Supervised by:**
❖ **Dr. Naziha DHIBI**

2021-2022

PLAN





General Context

Education, from the birth of a child to adulthood, is a mixture of factors and influences. Two institutions, however, play a primary role and have formal educational responsibilities before the law and society: the family and the school



Parents must exercise their responsibilities as parents of students and communicate with the school through various procedures



These existing procedures are limited and not scalable:

- ☐ Information is distributed to parents in paper form and often through students.
- ☐ The lack of communication between teachers and parents, especially since appointments are managed by the administration which can delay them.
- ☐ A difficulty in follow-up
- ☐ Lack of evaluation



Solution adopted:

Install a space in the heart of the school by setting up a application " Gafsa School ":

- ❖ Provides parents with access to all information regarding their children enrolled in the school
- ❖ Improves communication between parents and the school and no longer relies on the student to provide information
- ❖ Allows a better control of the young people and consequently amplifies their success
- ❖ Facilitate the management of tasks in the school



Choice of methodology

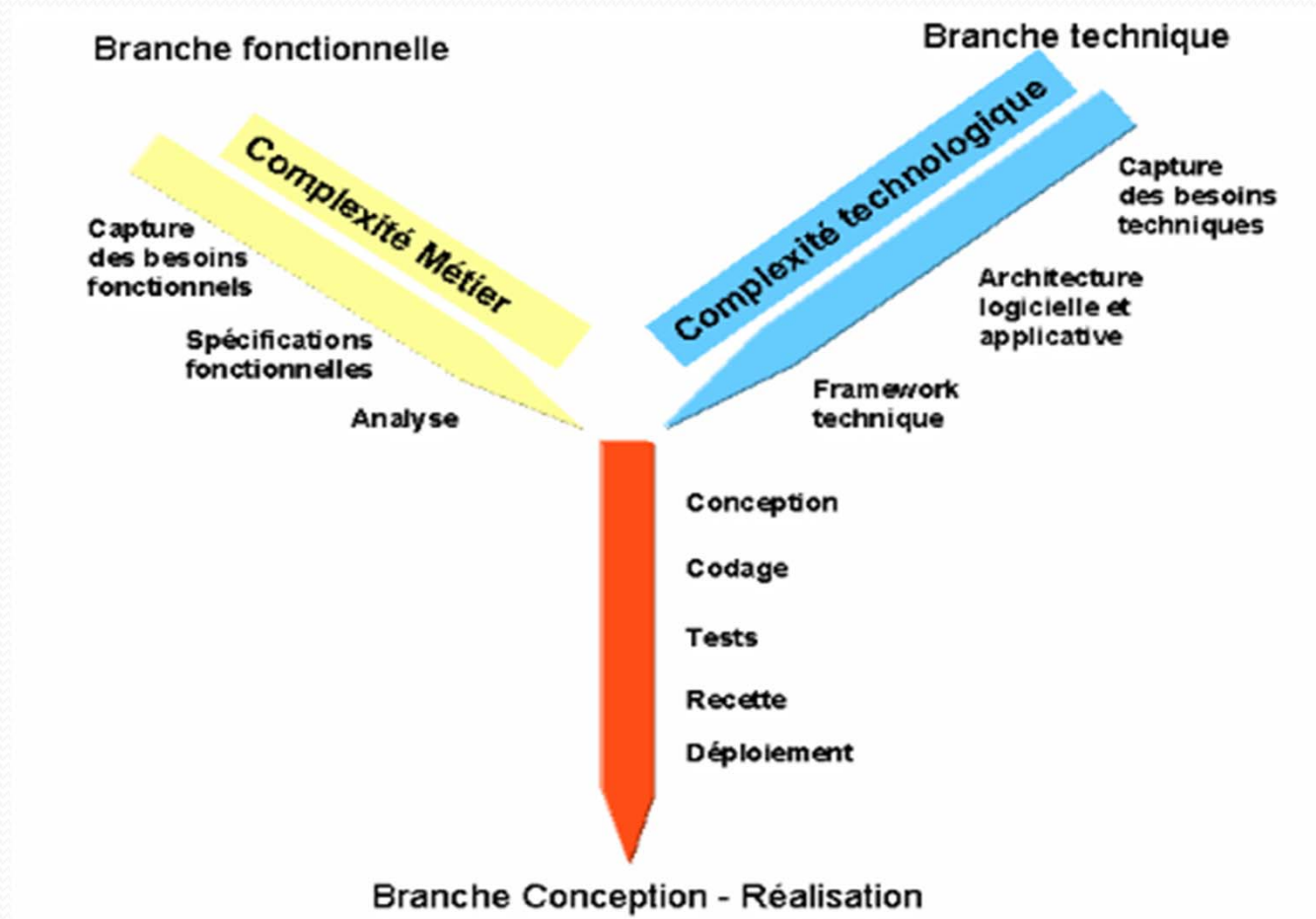


Figure 1 2TUP Methodology



Functional needs

- *Notes management*
- *Absence management*
- *Consultation of the schedule*
- *News/notification management*
- *Profile management*
- *Communicating with teachers*
- *Manage student records*



Needs analysis



Non-functional needs:



Security



The performance



Speed

Availability

Reliability



**The
ergonomics**

Modeling the specification

The project actors

1

Parent:

- *Consultation of the timetable*
- *Consultation of absences*
- *Consultation of the notes*
- *Follow-up of comments recorded by teachers*

2

Teacher:

- *Putting the notes online*
- *Recording of remarks to be shared with parents*

3

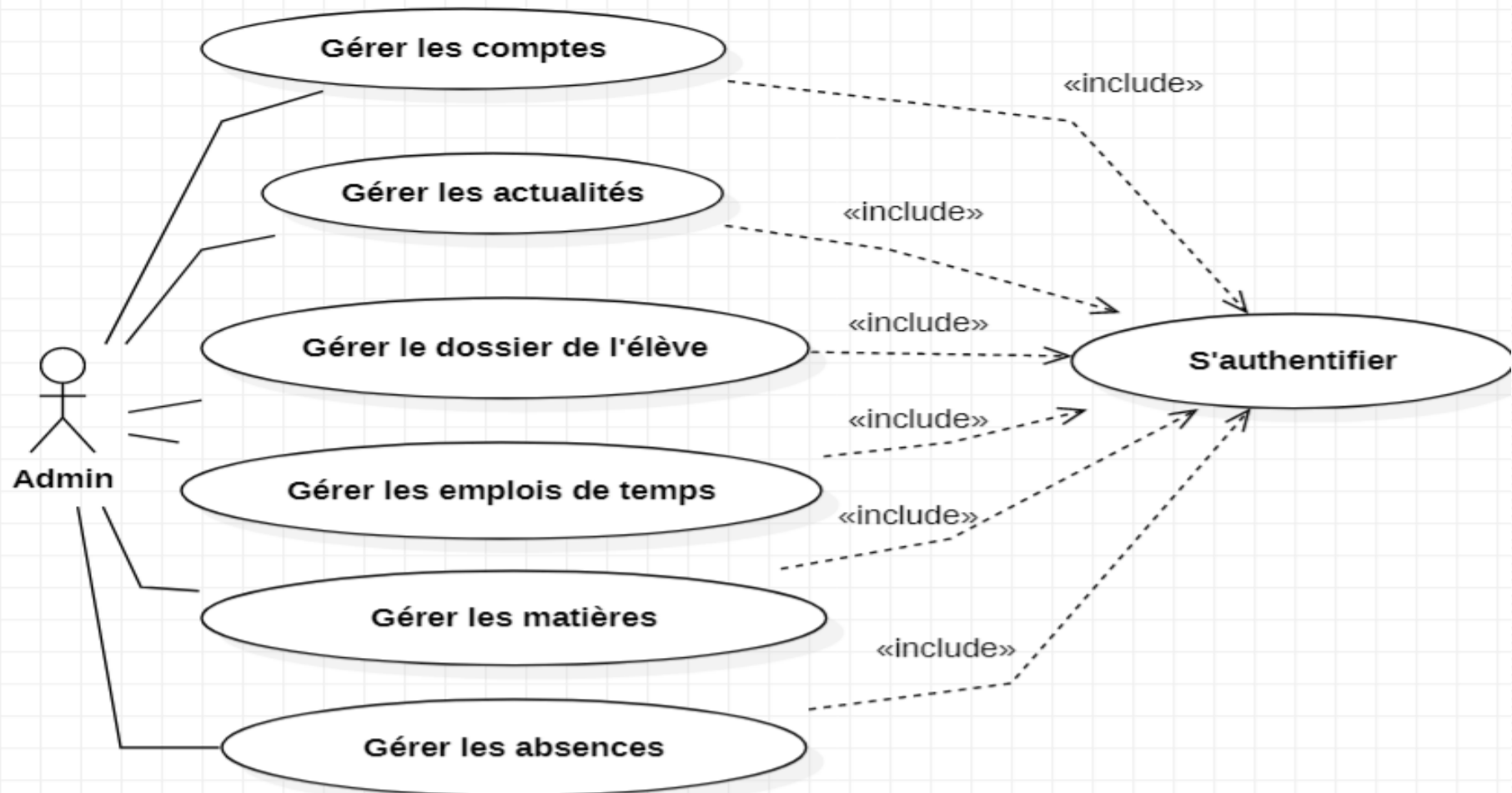
Administrator:

- *Management of the student's file*
- *Personnel management*
- *Time management*
- *Materials Management*
- *Absence management*



Modeling the specification

Use case diagram of the admin





Modeling the specification

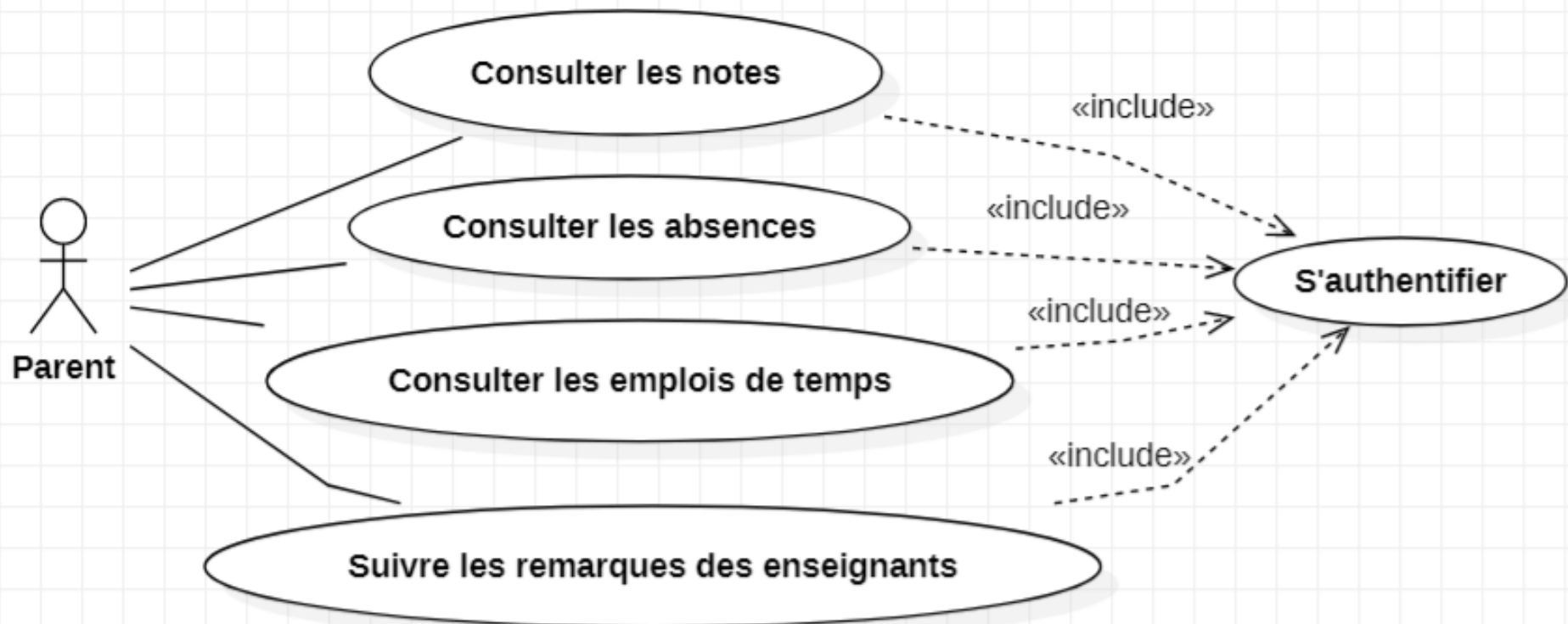
Teacher use case diagram





Modeling the specification

Parent use case diagram



Ghvltj q# hwkrg

UML : Unified Modeling Language



A formal and standardized language.



A powerful communication medium.



An object approach associates information and processing.

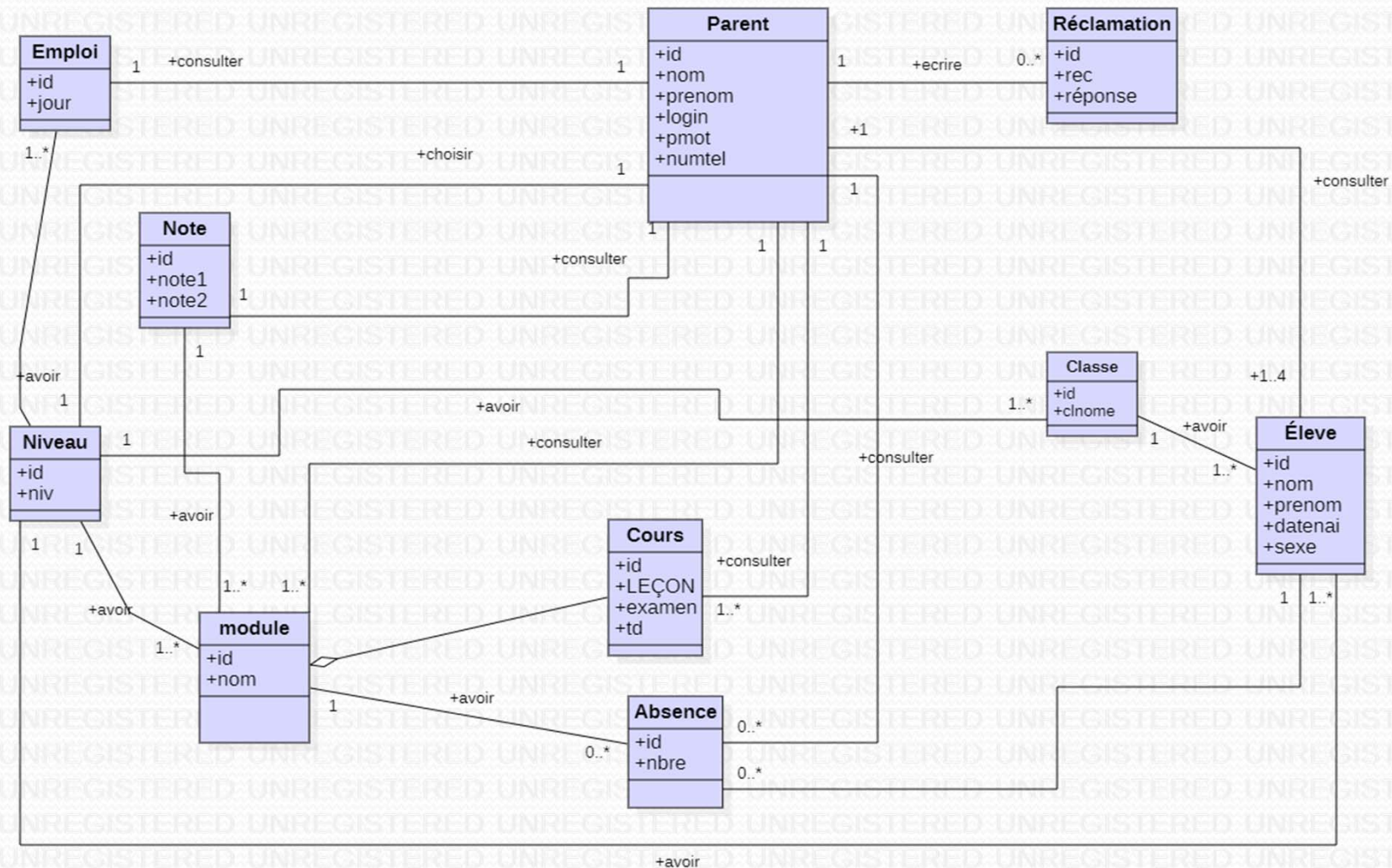


Ensures a certain level of consistency.



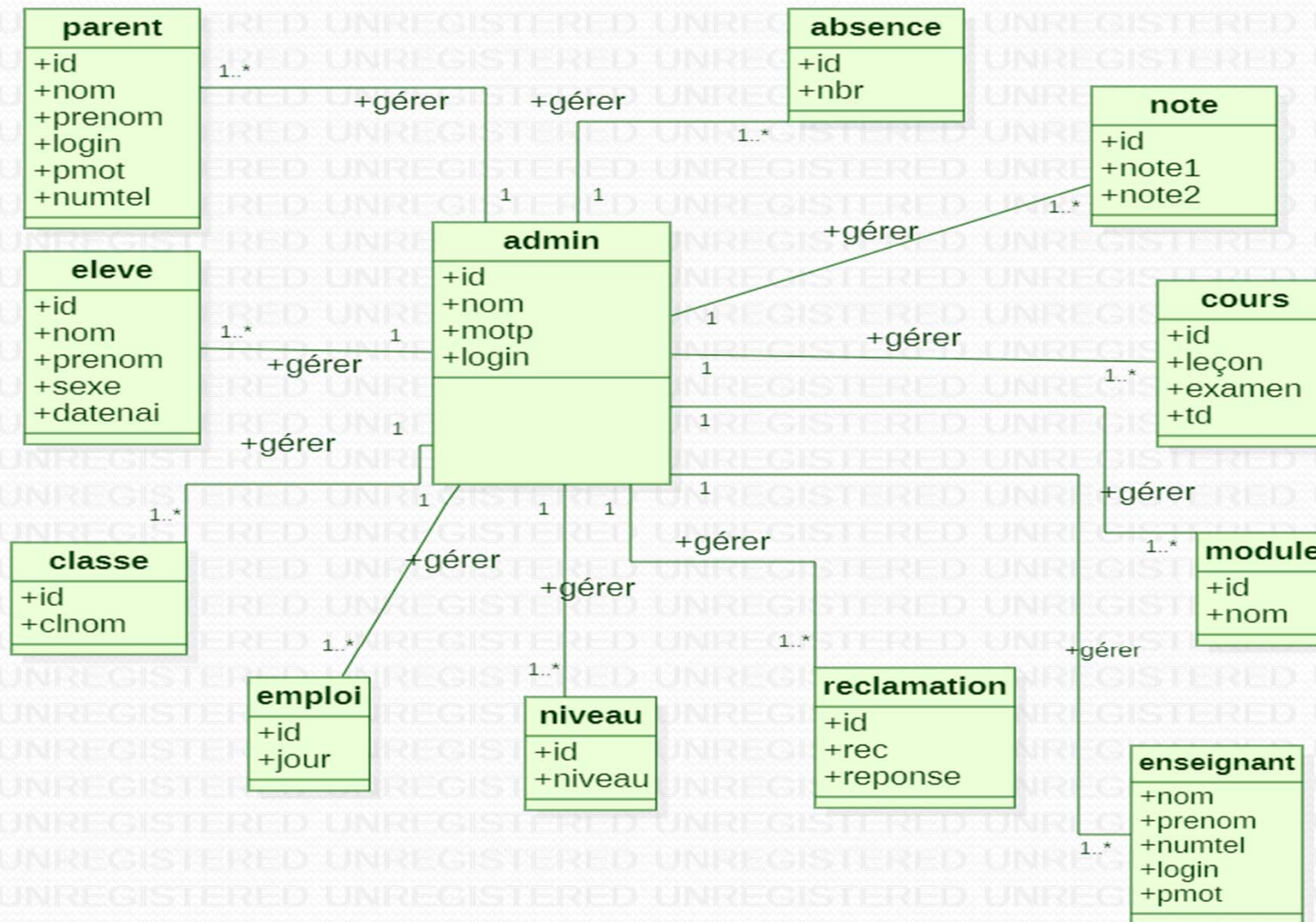
Design

Parent management'' class diagram



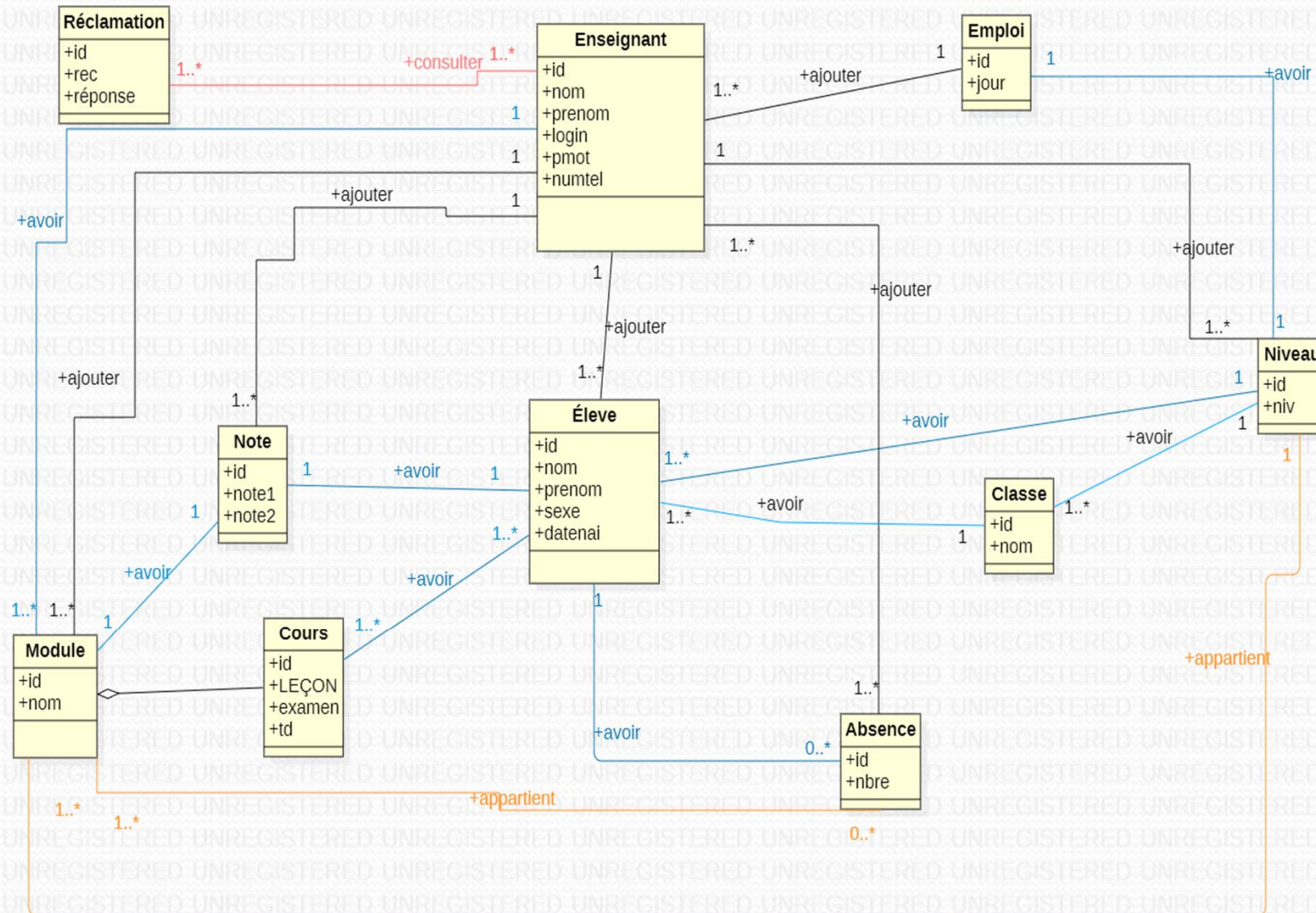
Design

Administrator management'' class diagram



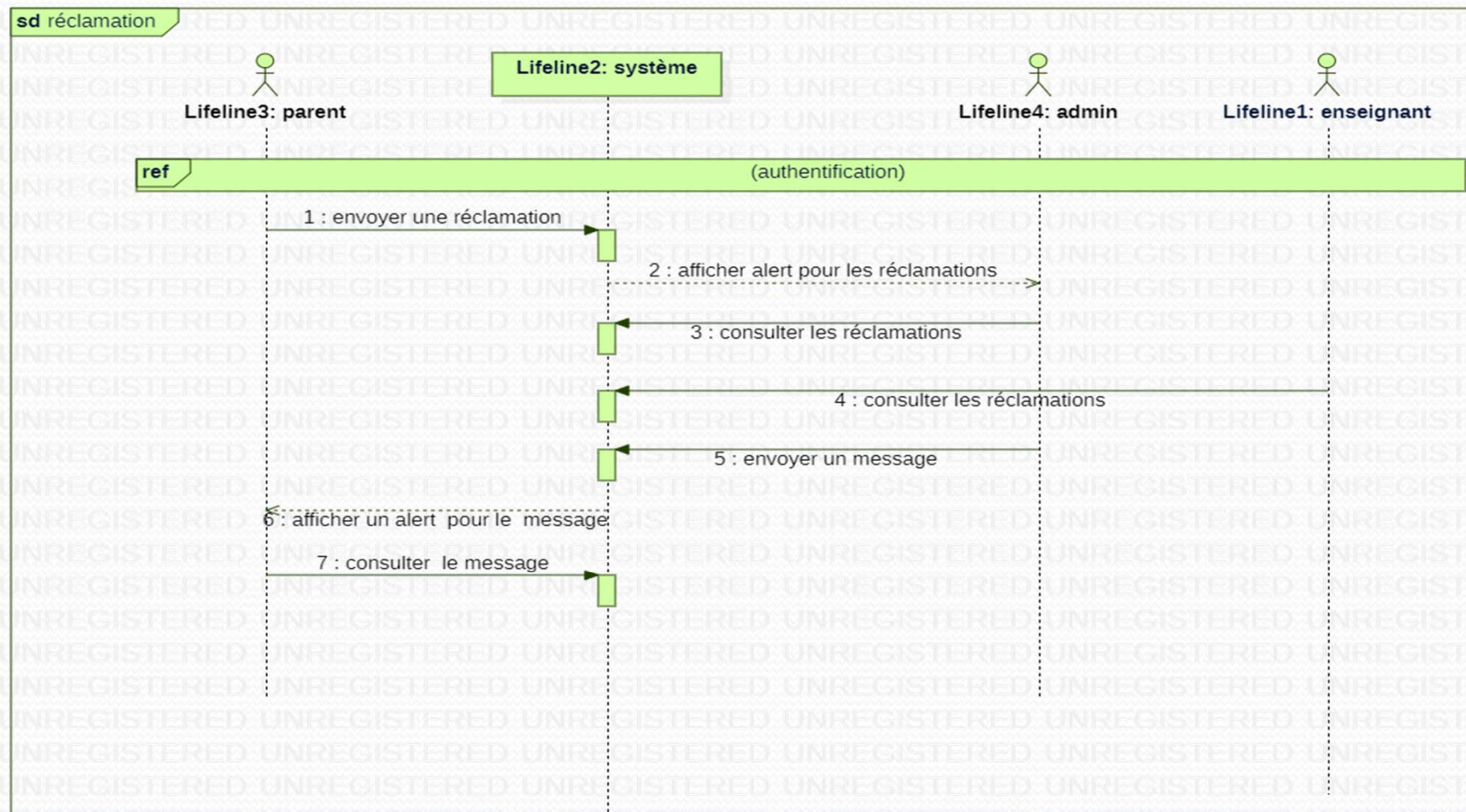
Design

Teacher management'' class diagram



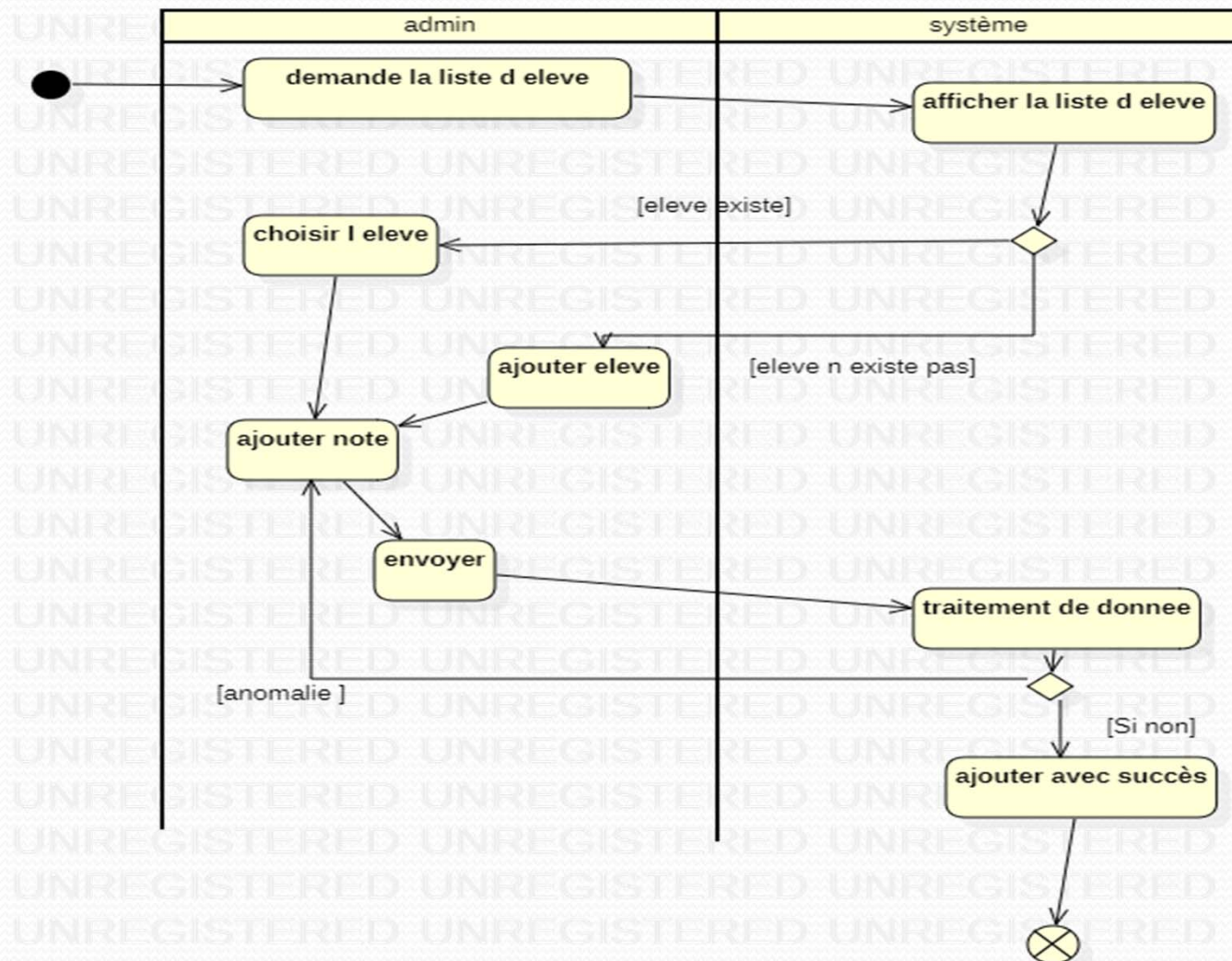
Design

Add claim'' sequence diagram



Design

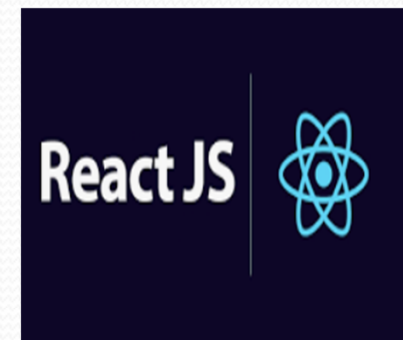
Assign student grades'' activity diagram



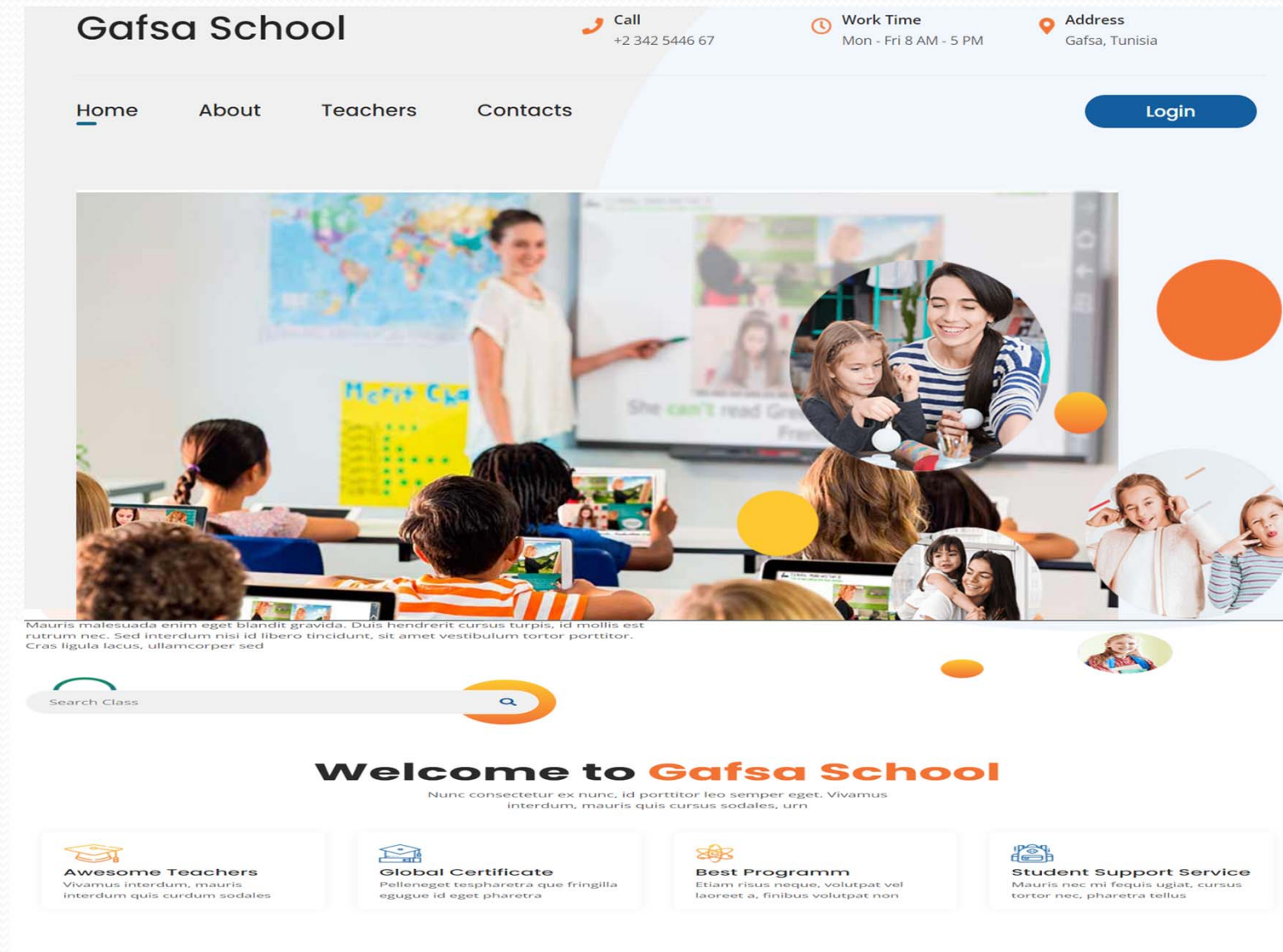


Realization

The software environment :



Graphical interfaces





Graphical interfaces

Authentication interface

Sign In

Please choose one of the following users to login

Parent Teacher Admin

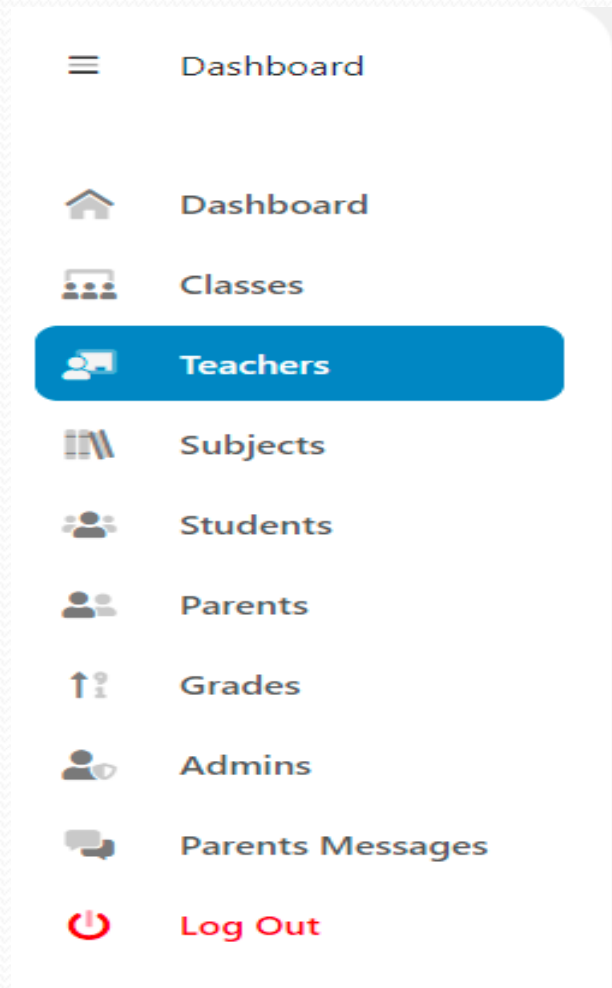
Email

Password

Log In

The image shows a 'Sign In' authentication interface. At the top, the title 'Sign In' is centered in a large, bold, black font. Below the title, a subtitle reads 'Please choose one of the following users to login'. Underneath this, there are three user role buttons: 'Parent' (highlighted in blue), 'Teacher', and 'Admin'. Below the user role buttons are two input fields: 'Email' and 'Password'. At the bottom of the form is a large blue button labeled 'Log In'.

Administrator menu



Administrator's home page

Dashboard

Dashboard

Classes

Teachers

Subjects

Students

Parents

Grades

Admins

Parents Messages

Log Out

Home

Level 1

1

112 Students

6 Teachers

50 Subjects

8 Classes

Level 2

2

142 Students

10 Teachers

5 Subjects

9 Classes

Level 3

3

11 Students

29 Teachers

8 Subjects

800 Classes

Level 4

4

122 Students

61 Teachers

50 Subjects

81 Classes

Level 5

5

212 Students

6 Teachers

20 Subjects

18 Classes

Level 6

6

112 Students

16 Teachers

2022-2-11

Parents messages

Hala Slimen

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard...

Aycha Trabelsi

It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-...

Houssein Chahane

Hala Slimen

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, consectetur, from a Lorem Ipsum passage, and going through the cites of the word in classical literature, discovered the undoubtable source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of (The Extremes of Good and Evil) by Cicero, written in 45 BC. This book is a treatise on the theory of ethics, very popular during the Renaissance.

ok

Interface to manage classes

Dashboard

Dashboard

Classes

Teachers

Subjects

Students

Parents

Grades

Admins

Parents Messages

Log Out

Classes

2022-2-11

1 Level	2 Level	3 Level	4 Level	5 Level
Class A1	Class A2	Class A3	Class A4	Class A5
Class B1	Class B2	Class B3	Class B4	Class B5
Class C1	Class C2	Class C3	Class C4	Class C5
	Class D2	Class D3	Class D4	Class D5
	Class E2	Class E3	Class E4	Class E5

Interface to manage teachers

Dashboard

Dashboard

Classes

Teachers

Subjects

Students

Parents

Grades

Admins






















Parents Messages

Log Out

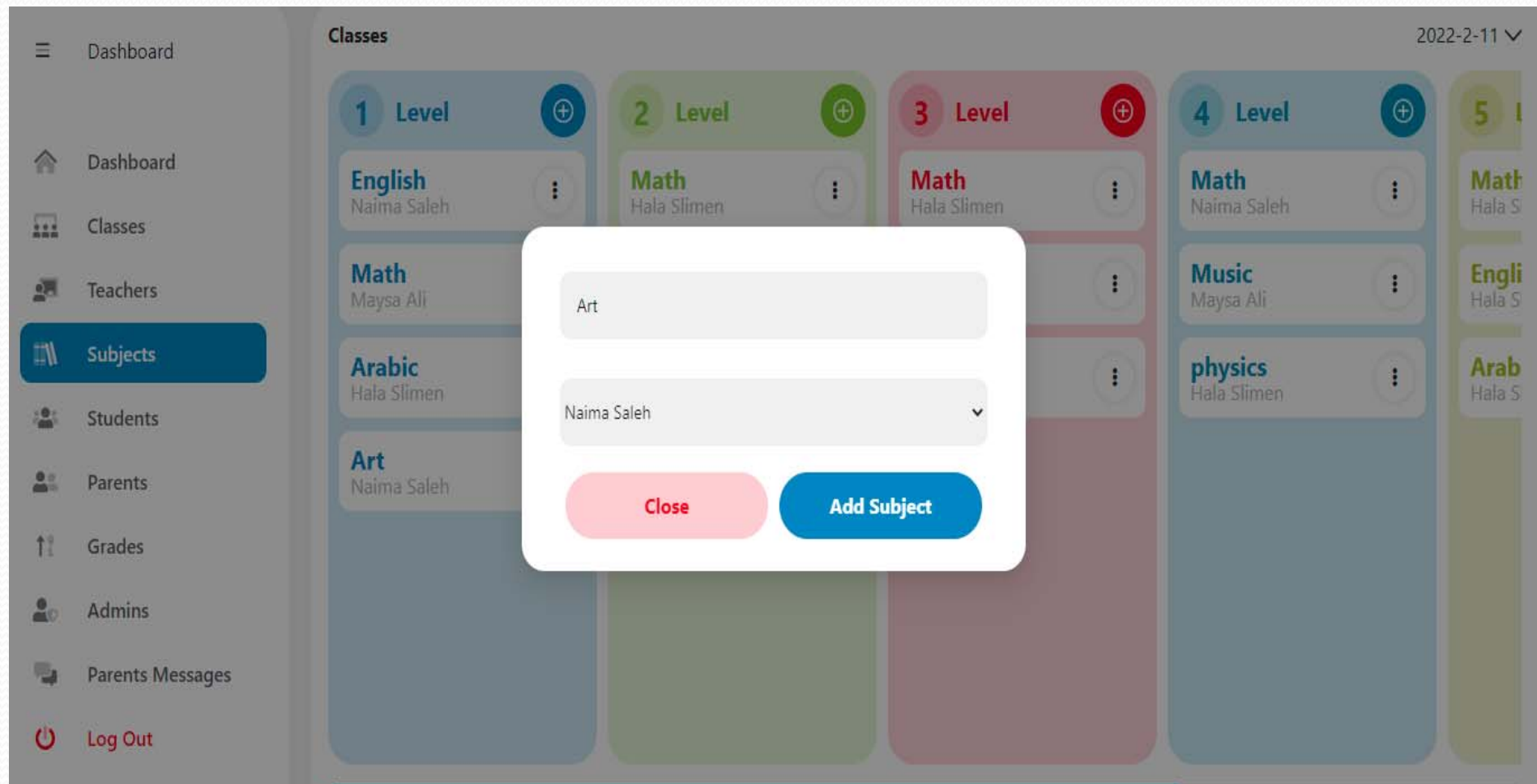
Teachers

2022-2-17

input search text

Name Email	Birthdate	Phone number	ID No.	Adresse	
 boulbaba ghayoula adminicole1@gmail.com	1994-10-05	20115412	214192454	Gafsa	 
 Maha Alim maha@gmail.com	1994-10-05	20115412	214192454	Gafsa	 
 Feryel Smida feryel@gmail.com	2022-06-14	45738383	940455544	Jerba	 
 Maryem Lotfi maryem@gmail.com	2022-01-06	56778900	989879887	Tunis	 
 Naima Saleh naima@gmail.com	2022-06-14	45738383	940455544	Jerba	 
 Maysa Ali maysa@gmail.com	2022-01-06	56778900	989879887	Tunis	 
 boulbaba ghayoula ghayoula.boulbaba@gmail.com	2022-02-11	56892743	555686899	gafsa	 

Interface to manage materials



Interface to manage students

Dashboard

Dashboard

Classes

Teachers

Subjects

Students

Parents

Grades

Admins





















Parents Messages

Log Out

Students

2022-2-11






input search text

Name Level - Class	Birthdate	Birth Number	Parent Phone	Adresse	
 Rihab Ali level 5 - Class D5	2022-01-20	546346349	5635635	Gafsa, Tunisia	  
 Ahmad Slim level 3 - Class B3	1994-10-05	294100118	54120228	Gafsa, Tunisia	  
 Mohamed Khalil level 3 - Class B3	2022-01-04	546346400	54635654	Ksar,Gafsa, Tunisia	  
 Aymen Khalil level 4 - Class B4	2022-01-23	654765670	25674789	Metlaoui,Gafsa,Tunisia	  
 Ali Mohamed Ali level 3 - Class B3	5-26-2012	463583659	22565689	Gafsa-Tunisie	  

Graphical interfaces

Interface to add a parent for each student

The screenshot displays a web application interface for managing students and parents. The sidebar on the left contains navigation links: Dashboard, Classes, Teachers, Subjects, Students (highlighted), Parents, Grades, Admins, Parents Messages, and Log Out. The main area is titled 'Students' and features a search bar and a table of student records. A dropdown menu is open over the 'Parent Phone' column, showing a list of parent names and phone numbers.

Name Level - Class	Birthdate	Birth Number	Parent Phone	Adresse
 Rihab Ali level 5 - Class D5	2022-01-20	546346349	5635635	Gafsa, Tunisia
 Ahmad Slim level 3 - Class B				Gafsa, Tunisia
 Mohamed Kha level 3 - Class B				Ksar, Gafsa, Tunisia
 Aymen Khalil level 4 - Class B4				Metlaoui, Gafsa, Tunisia
 Ali Mohamed Ali level 3 - Class B3				Gafsa-Tunisie

Dropdown Menu Content:

- No Parent
- No Parent
- Houcine Slimen - 54875305
- Aycha Trabelsi - 92564895
- Housseem Chaabane - 22456894
- Melek Thoubeti - 54685498
- Zied Bousselmi - 55426489
- Ikram Noman - 26426489



Conclusion

The development of our application Gafsa School:

- ✓ Simple, practical and efficient management of school life
- ✓ Good follow-up of the students

This project can be in continuous development, with improvements:

- ✓ such as solving and sending exercises from the student's space



Merci de votre attention

