



Specialized Institute in Offshoring Professions

Year: 2022/2023

SCHOOL MANAGEMENT

(MANAR)

Internship Report

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By : Houssam Abid

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DEDICATION

I would like to dedicate this internship report to my parents, who have been a constant source of support and encouragement throughout our educational and professional journey during my sickness and good times. Their sacrifices, unconditional love, and belief in us have been the pillars of our success.

I would also like to express our gratitude to our internship supervisor, Mr. Oussama Rahmouni, for his valuable mentorship and support. His insightful advice, expertise, and patience have greatly contributed to our learning and professional development.

A big thank you to our colleagues at work who have shared their expertise and experience with us during this internship. Their collaboration and support have created an inspiring and stimulating work environment.

This dedication is a recognition of everyone who has contributed directly or indirectly to the success of this internship. Your support and belief in us have been powerful driving forces in pursuing our goals.

Acknowledgements

I would like to express my deep gratitude to Mr. Oussama Rahmouni for his assistance in deepening our professional skills and helping us develop as Full Stack developers. A big thank you to our institution, ISMO, for enhancing our understanding of the professional world. We would also like to sincerely thank our internship colleagues within the DEV201 team for their warm welcome and being a memorable schoolmates.

"Thank you from the bottom of my heart"

INTRODUCTION

This internship report focuses on our internship experience at ADSELLO (paperless) under the supervision of our trainer M.Oussama Rahmouni ,where I helped develop this school management web site called «Manar» owned by our trainer where it aims at giving the best experience to have full control of your school interest for the admins ,teachers ,students and even the parents.

The website (Manar) offers finance management, e-learning, quizzes, student and teacher information management, scholastic assignments, staff administration, and student timetable organization. This report provides an overview of a part of features and my involvement in their development and implementation.

In today's digital age, efficient school management is crucial for optimal student performance and «Manar» addresses these challenges by providing a unified platform that integrates essential modules. By utilizing modern technology and user-friendly interfaces, the website simplifies administrative tasks, enhances teaching and learning, and promotes effective communication.

The website includes a robust finance management system for budgeting, fee collection, expense tracking, and financial reporting. During my internship, I contributed to the implementation of secure payment gateways, automated fee reminders, and accurate financial data management.

As well as it offers an e-learning part that enables teachers to create engaging online lessons and interactive quizzes. I participated in a little bit developing this module, focusing on content management, student progress tracking, and assessment tools.

It also features a module for centralized management of student and teacher information. I assisted in developing this module, ensuring user-friendly interfaces, data encryption protocols, and advanced search functionalities.

A scholastic assignments module streamlines the submission and evaluation process. I contributed to features such as assignment submission notifications, document management, and grading automation.

The website includes a staff administration module for managing staff information, leaves, attendance, and evaluations. Additionally, a student timetable module allows for easy creation and dissemination of personalized timetables. I participated in refining these modules for seamless integration and intuitive interfaces.

Through my involvement in its development and during this month, I gained experience in web development and project management. The report delves into each module, highlighting my contributions and the impact of these features on school management.

Company Presentation :

ADSELLO (paperless) aims to highlight the best services and solutions for the benefit of our clients, while providing professional support to democratize access to effective and tailored IT solutions specifically designed for the reality of each business.

It provides consulting (Expert advice to clients, creativity and innovation, analytical skills, flexibility, and the ability to handle pressure and challenges), IT Solutions (Our qualifications in system and network computing allow us to implement solutions tailored to the smooth operation of your information system), Development (Web, Mobile, or custom), and Outsourcing (We provide you with a team of talented specialists with extensive experience dedicated to supporting you in your project)

Analysis Section:

Requirements Document

a. Introduction

During my internship, I was assigned to work on a part of the E-learning feature, which involved displaying tables and creating interactive tiles that can be dragged and dropped. Additionally, I was tasked with implementing the functionality to import and export Excel files. Furthermore, I was asked to develop a script to handle content translation stored in JSON files for the website.

Objectives

Displaying the tables :

I-This includes the objectives I set for the first part of my assignments

- Create tiles that are draggable
- Drop docs in the tile (pics ,pdf ,links...)
 - +Create a zone that we can upload a file by either clicking on the zone or dragging it and dropping it
- Display the Tile table
- Display the Material table
- Display the Post table
- Display the PostDocument table
 - +This includes displaying These tables that belong to E-learning model using LARAVEL's powergrid & livewire
- Display the Level table
- Display the Cycle table
 - +Displaying These tables that belong to School model using LARAVEL's powergrid & livewire

II-For the second part :

- Import an excel file (.xlsx or .csv)
 - +Import an excel file and displaying it in a table that adds columns depending on the file's content
- Export an excel file
 - +Export an excel file with custom columns with «xlsx» extension

III- For the third part :

-Making a small tool (script) that can translate sentences that has this form ("I'm sure : Je suis sure") using Javascript or Python

Constraints:

The timeframe should be considered during the planning and execution of the project to meet the set deadlines because one month isn't enough

Working alone makes it hard to keep up the same work ethic done by the teams I'm working with

Diagrams and sprints

BACKLOG

User stories ,Tasks and Bugs...

1 MONTH INERNSHIP SPRINT Add dates (14 issues)
Finish as much as possible

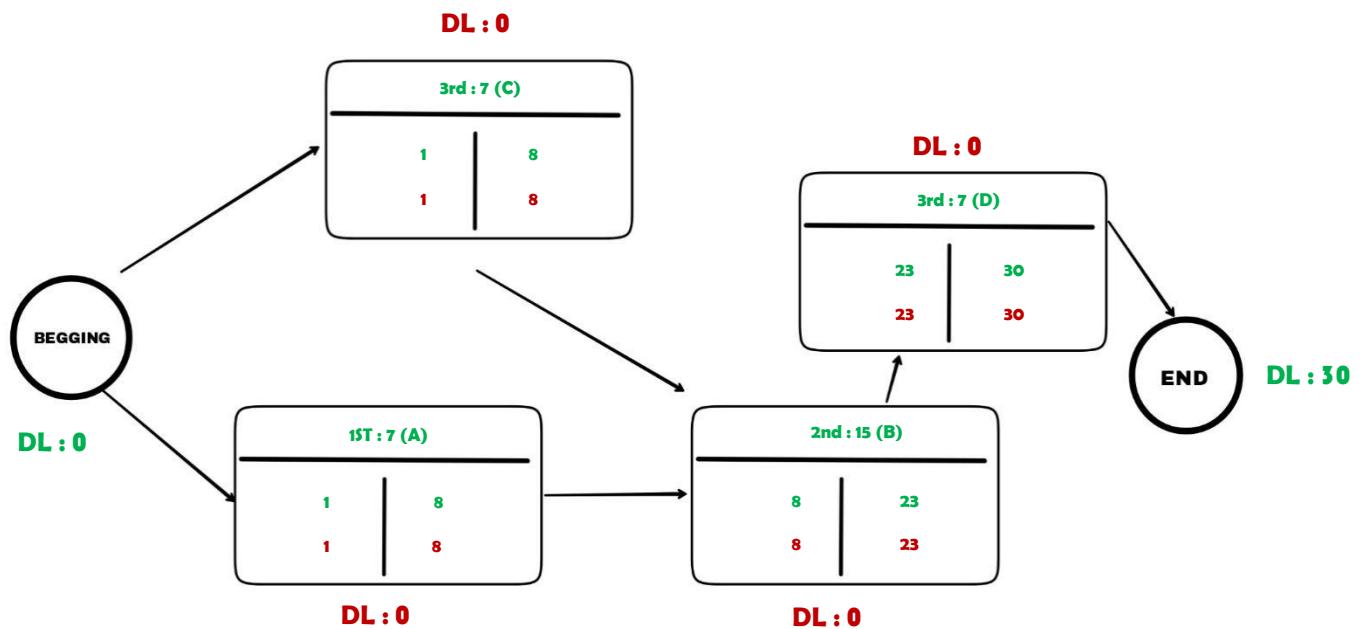
- HT-1 As a teacher I'm able to create tiles 0 IN PROGRESS
- HT-15 As a teacher I'm able to upload files in the tiles 0 IN PROGRESS
- HT-3 As a teacher I'm able to delete tiles IN PROGRESS
- HT-4 As a teacher I'm able to delete files from a tile or more IN PROGRESS
- HT-5 As a student I'm able to access the tiles and view them IN PROGRESS
- HT-19 As a student I'm allowed to go through the tiles within my course IN PROGRESS
- HT-7 As a teacher I'm able CRUD in tile table IN PROGRESS
- HT-16 As a teacher I'm able CRUD in Material table IN PROGRESS
- HT-17 As a teacher I'm able CRUD in Level table IN PROGRESS
- HT-18 As a teacher I'm able CRUD in Cycle table IN PROGRESS
- HT-21 Livewire and powergrid not compatible with the versions I'm working with IN PROGRESS

- HT-17 As a teacher I'm able CRUD in Level table
- HT-18 As a teacher I'm able CRUD in Cycle table
- HT-21 Livewire and powergrid not compatible with the versions I'm working with
- HT-22 As a teacher I'm able to upload and exports Excel files
- HT-23 As a Student I'm able only to exports Excel files
- HT-20 Create the Translation script !

+ Create issue

PERT DIAGRAM :

This was my potential diagram and time I managed



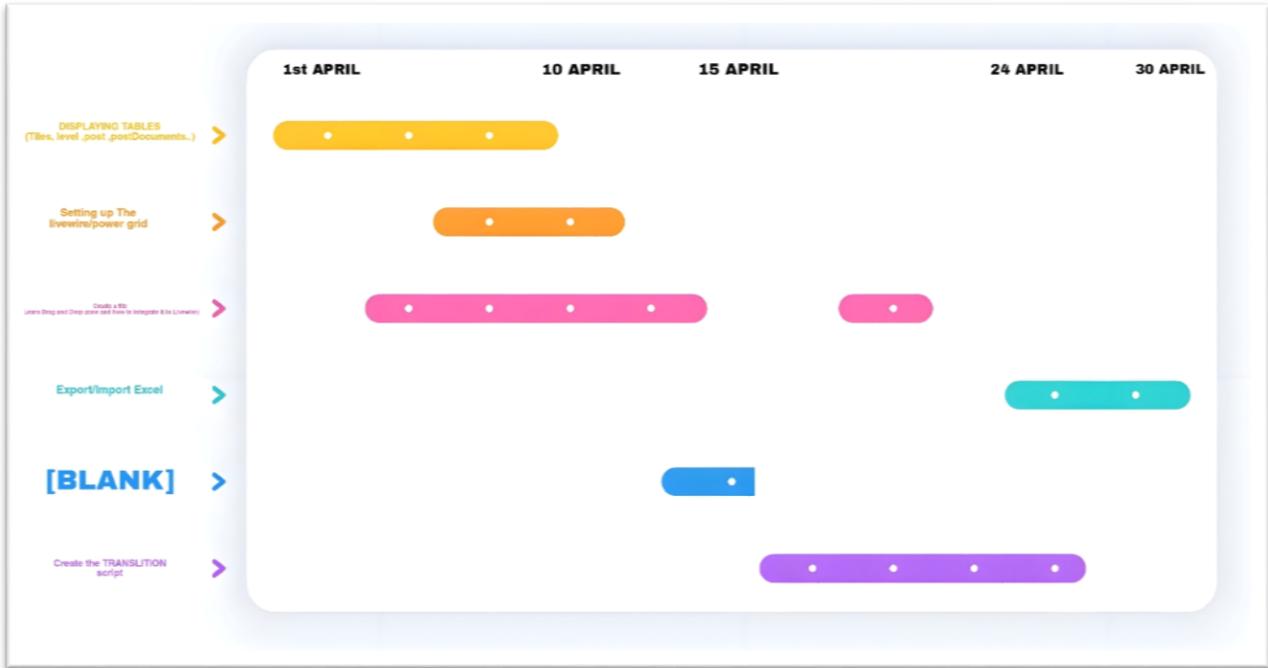
GANT DIAGRAM :

This was my potential diagram and time I managed but it didn't go as It was planned

In the diagram under (MADE BY ADOBE CREATIVE TOOL) has the timeline of what I had to do in each time

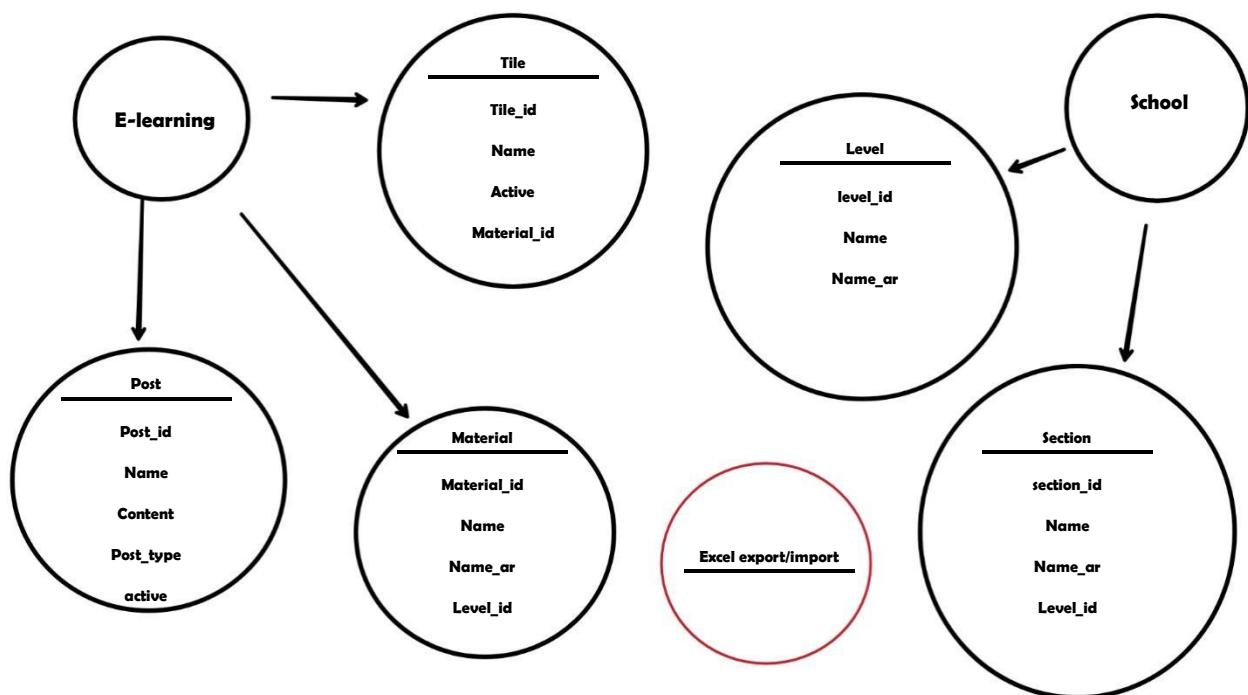
Each color present a task

And above there's the timeline

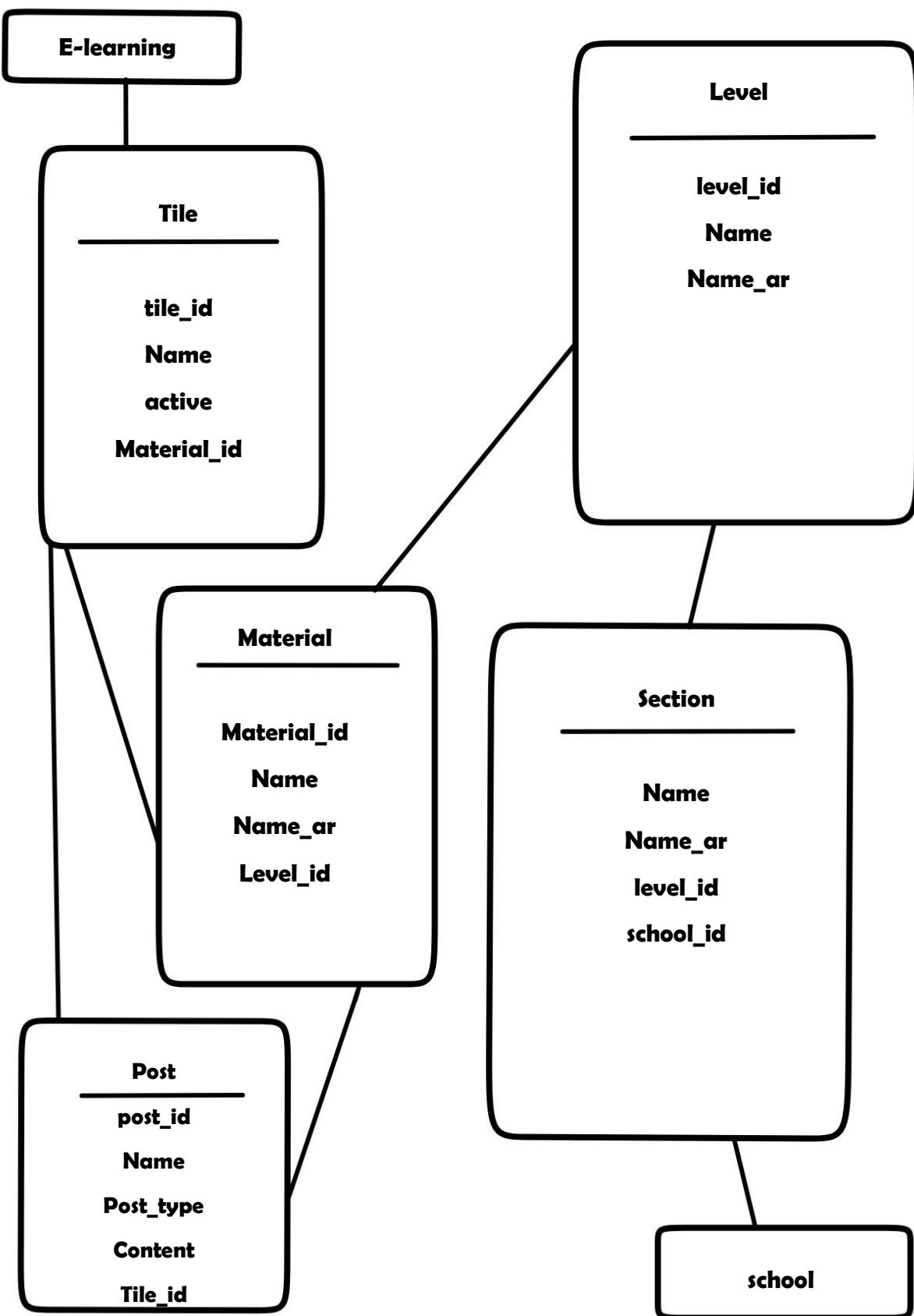


UML & MERISE :

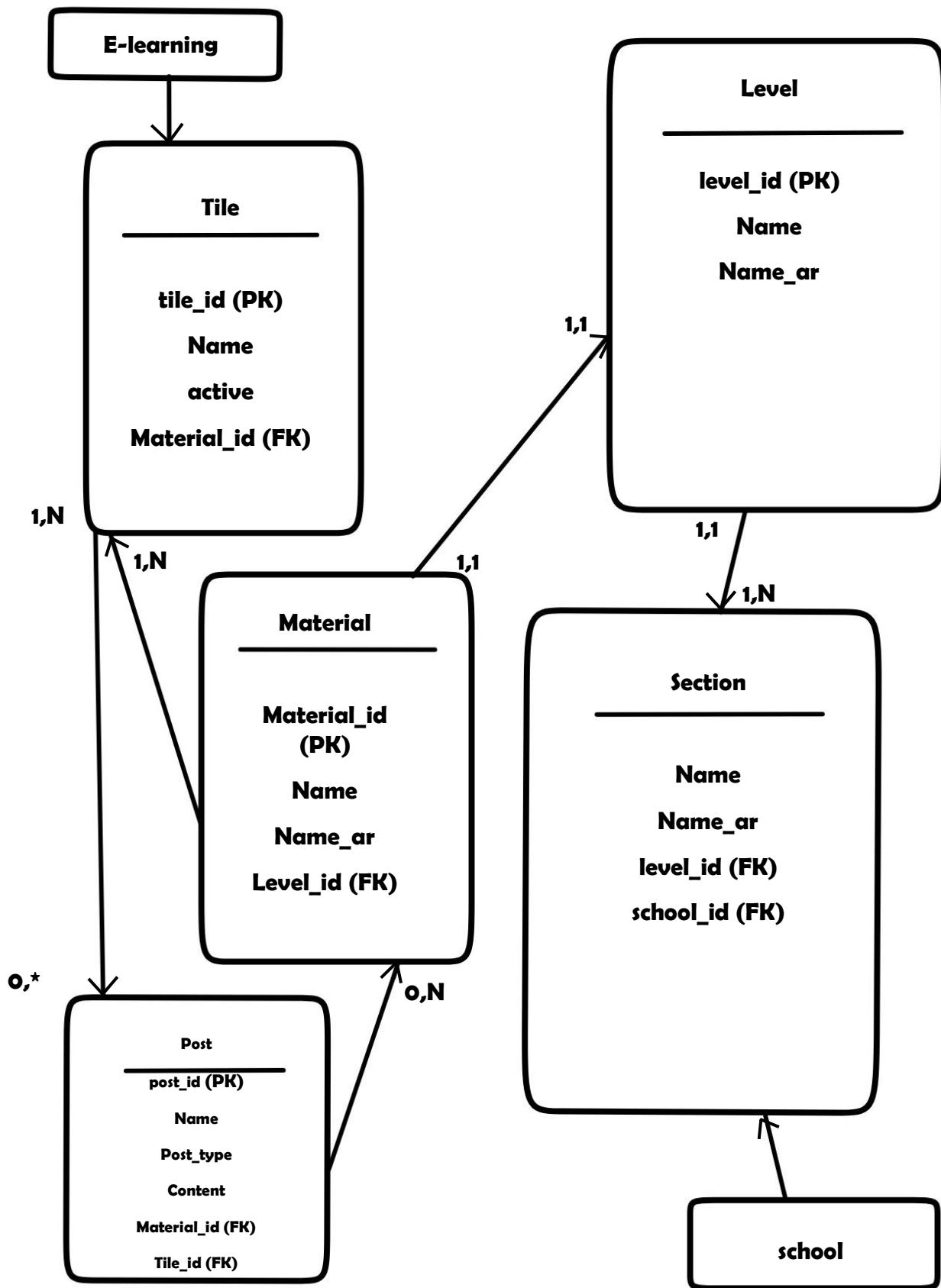
GDF



MCD



MLD



-And this is the **MLDR**

(It's hard to make those diagrams because every assignment is a task)

material ('official_id','name', 'name_ar', 'level_id',material_id)

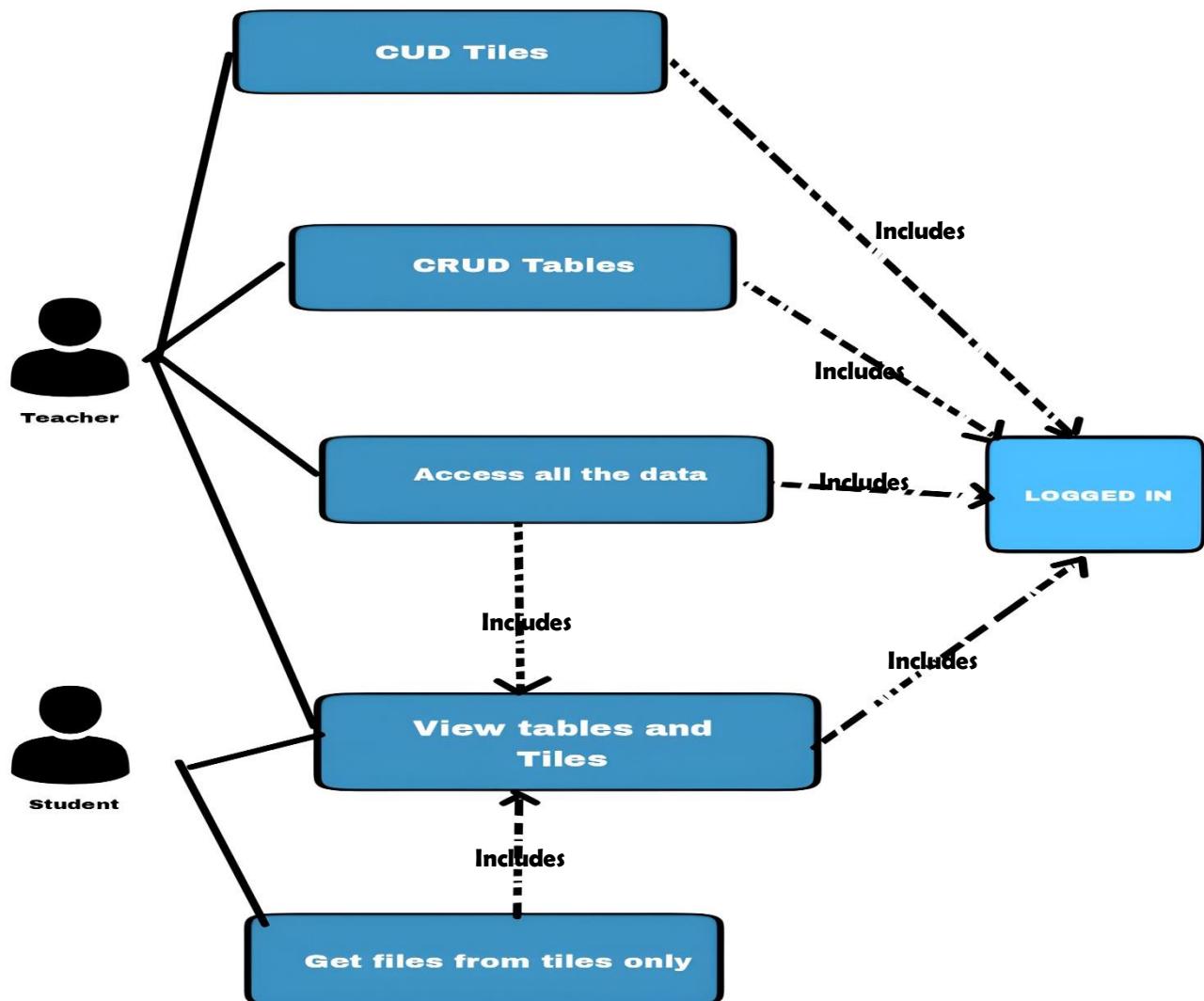
Post ('name', 'post_type', 'content', active)

tile ('Tile_id', 'Name', 'Active', 'Material_id')

level ('level_id', 'Name', 'Name_ar')

Section ('name','name_ar', 'level_id', 'school_id',)

Users case:



Data Dictionary :

CODE	TYPE	Constraint	ENTITY	OBSERV.
official_id	N		UNQ	ID for «official»
name	A			
name_ar	A			
scholar_year_id	AN		UNQ	ID for «scholar year»
color	A			
picture	AN			
level_id	N		UNQ	ID for «level»
school_id	AN		UNQ	ID for «school»
in_elearning	B			
type_id	AN		UNQ	ID for «type»
created_by_id	N		Default	
edited_by_id	N		Default	
delete_by_id	N		Default	
order	N			
post_type	AN			
content	A			
tile_id	AN		UNQ	ID for «tile»
active	B			
show_date	D			
hide_date	D			
limit_date	D			
edit_online	B			
description	A			
start_date	D			
end_date	D			
Branch_id	AN		UNQ	ID for «Branch»
path	A			
pictures	AN			
id	N			

The Sprints :

1 MONTH INERNSHIP SPRINT		Add dates	(14 issues)	Start sprint	...
Finish as much as possible					
<input checked="" type="checkbox"/>	HT-1 As a teacher I'm able to create tiles			IN PROGRESS	
<input checked="" type="checkbox"/>	HT-15 As a teacher I'm able to upload files in the tiles			IN PROGRESS	
<input checked="" type="checkbox"/>	HT-3 As a teacher I'm able to delete tiles			IN PROGRESS	
<input checked="" type="checkbox"/>	HT-4 As a teacher I'm able to delete files from a tile or more			IN PROGRESS	
<input checked="" type="checkbox"/>	HT-5 As a student I'm able to access the tiles and view them			IN PROGRESS	
<input checked="" type="checkbox"/>	HT-19 As a student I'm allowed to go through the tiles within my course			IN PROGRESS	
<input checked="" type="checkbox"/>	HT-7 As a teacher I'm able CRUD in tile table			IN PROGRESS	
<input checked="" type="checkbox"/>	HT-16 As a teacher I'm able CRUD in Material table			IN PROGRESS	
<input checked="" type="checkbox"/>	HT-17 As a teacher I'm able CRUD in Level table			IN PROGRESS	
<input checked="" type="checkbox"/>	HT-18 As a teacher I'm able CRUD in Cycle table			IN PROGRESS	
<input checked="" type="checkbox"/>	Livewire and powergrid not compatible with the versions I'm working with			IN PROGRESS	
<input checked="" type="checkbox"/>	HT-22 As a teacher I'm able to upload and exports Excel files			IN PROGRESS	
<input checked="" type="checkbox"/>	HT-23 As a Student I'm able only to exports Excel files			IN PROGRESS	
<input checked="" type="checkbox"/>	HT-20 Create the Translation script !			IN PROGRESS	

TO DO 2 ISSUES	IN PROGRESS 7 ISSUES	DONE 5 ISSUES
<p>As a Student I'm able only to exports Excel files <input checked="" type="checkbox"/> HT-23</p> <p>As a teacher I'm able to upload and exports Excel files <input checked="" type="checkbox"/> HT-22</p>	<p>Livewire and powergrid not compatible with the versions I'm working with <input checked="" type="checkbox"/> HT-21</p> <p>As a teacher I'm able to delete tiles <input checked="" type="checkbox"/> HT-3</p> <p>As a teacher I'm able to delete files from a tile or more <input checked="" type="checkbox"/> HT-4</p> <p>As a student I'm allowed to go through the tiles within my course <input checked="" type="checkbox"/> HT-19</p> <p>As a teacher I'm able CRUD in Level table <input checked="" type="checkbox"/> HT-17</p> <p>As a teacher I'm able CRUD in Cycle table <input checked="" type="checkbox"/> HT-18</p> <p>Create the Translation script ! <input checked="" type="checkbox"/> HT-20</p>	<p>As a teacher I'm able to create tiles <input checked="" type="checkbox"/> HT-1</p> <p>As a teacher I'm able to upload files in the tiles <input checked="" type="checkbox"/> HT-15</p> <p>As a student I'm able to access the tiles and view them <input checked="" type="checkbox"/> HT-5</p> <p>As a teacher I'm able CRUD in tile table <input checked="" type="checkbox"/> HT-7</p> <p>As a teacher I'm able CRUD in Material table <input checked="" type="checkbox"/> HT-16</p>

TO DO

IN PROGRESS & ISSUES

DONE 6 ISSUES ✓



Livewire and powergrid not compatible with the versions I'm working with

HT-21

As a teacher I'm able to delete tiles

HT-3

As a Student I'm able only to exports Excel files

HT-23

As a teacher I'm able to upload and exports Excel files

HT-22

As a teacher I'm able to delete files from a tile or more

HT-4

As a student I'm allowed to go through the tiles within my course

HT-19

As a teacher I'm able CRUD in Level table

HT-17

As a teacher I'm able CRUD in Cycle table

HT-18

Create the Translation script !

HT-28

As a teacher I'm able to create tiles

HT-4

As a teacher I'm able to upload files in the tiles

HT-15

As a student I'm able to access the tiles and view them

HT-5

As a teacher I'm able CRUD in tile table

HT-7

As a teacher I'm able CRUD in Material table

HT-16

Backlog insights



Use these insights to plan your next sprint.

Sprint: 1 MONTH INERNSHIP SPRINT

Sprint commitment

Add estimates to plan sprints with more accuracy

This insight compares how much effort was allocated to a sprint against how much was completed, so you can plan sprints more effectively. [Learn more](#)

Issue type breakdown



Your top issue types to focus on in this sprint.

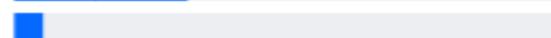
Story



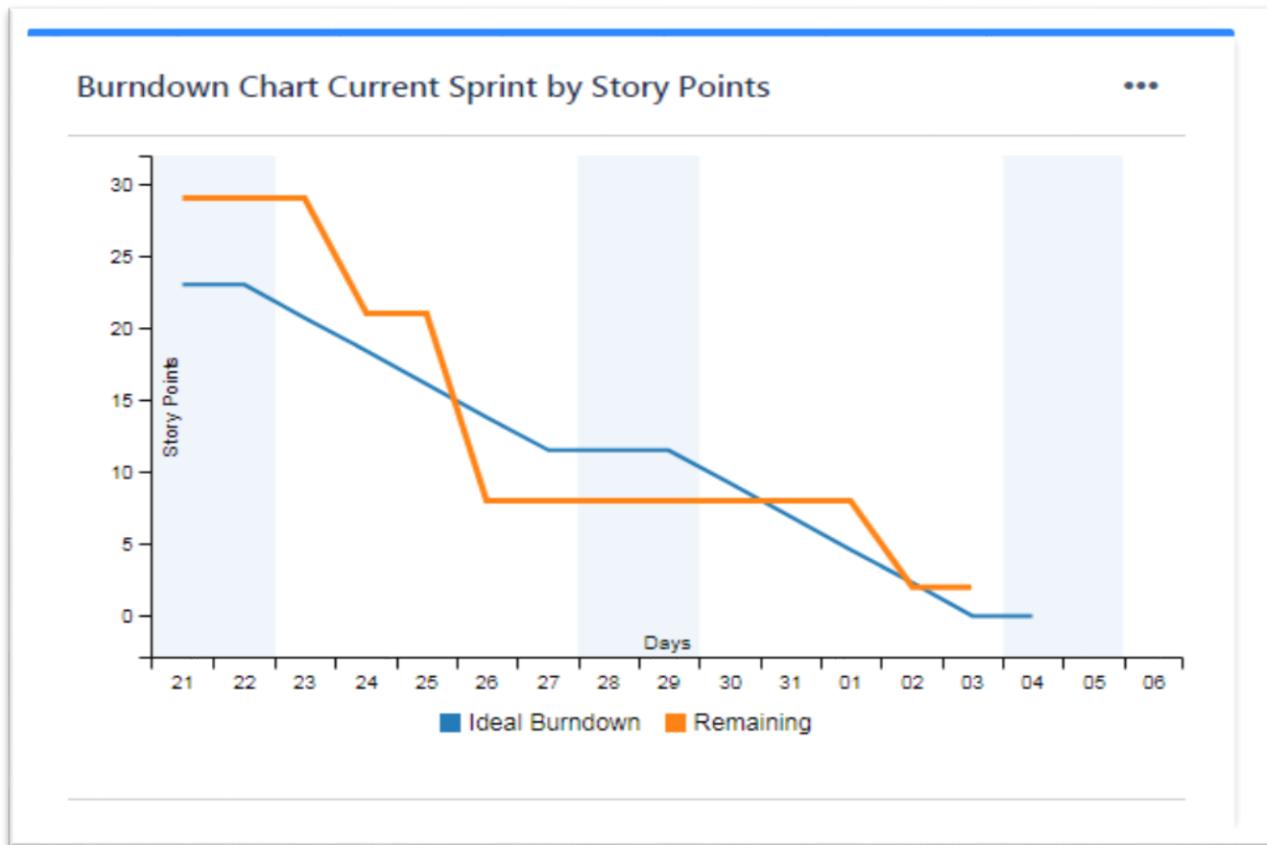
Bug



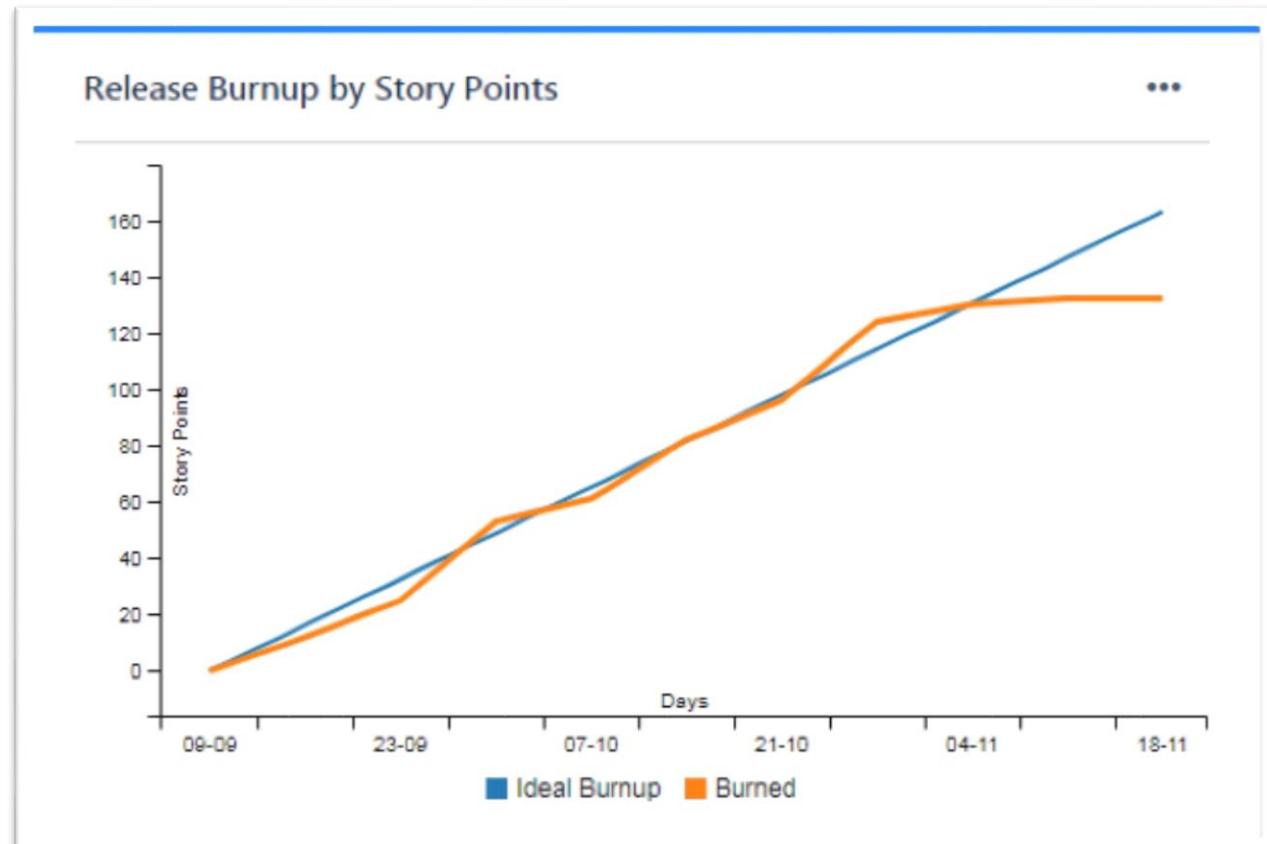
Task



The burndown chart :



The burnup chart :



The realization :

-Technologies used:

Laravel

- We will be using the Laravel framework, which is a popular and powerful PHP framework, for the development of the application.
- Laravel provides an MVC (Model-View-Controller) structure and numerous built-in features, making it easy to create robust and scalable web applications.

Composer : Dependency Manager:

- We will be using Composer, a dependency manager for PHP, to handle the packages and libraries needed for our Laravel application.
- Composer will allow us to easily install and manage the dependencies required by our application.

MySQL 8 for DB

- We will be using MySQL 8, a relational database, to store and manage the data for our application.
- MySQL 8 offers advanced features, improved performance, and enhanced security.

Laravel's LIVEWIRE

- Livewire is a PHP framework that enables the development of interactive web applications using the Laravel framework. It allows developers to build dynamic interfaces without writing JavaScript code. Livewire provides a seamless integration with Laravel and utilizes server-side rendering to handle user interactions and update the UI in real-time. With Livewire, developers can create rich and responsive user interfaces by leveraging the power of PHP and the Laravel ecosystem.

LARAVEL's powergrid

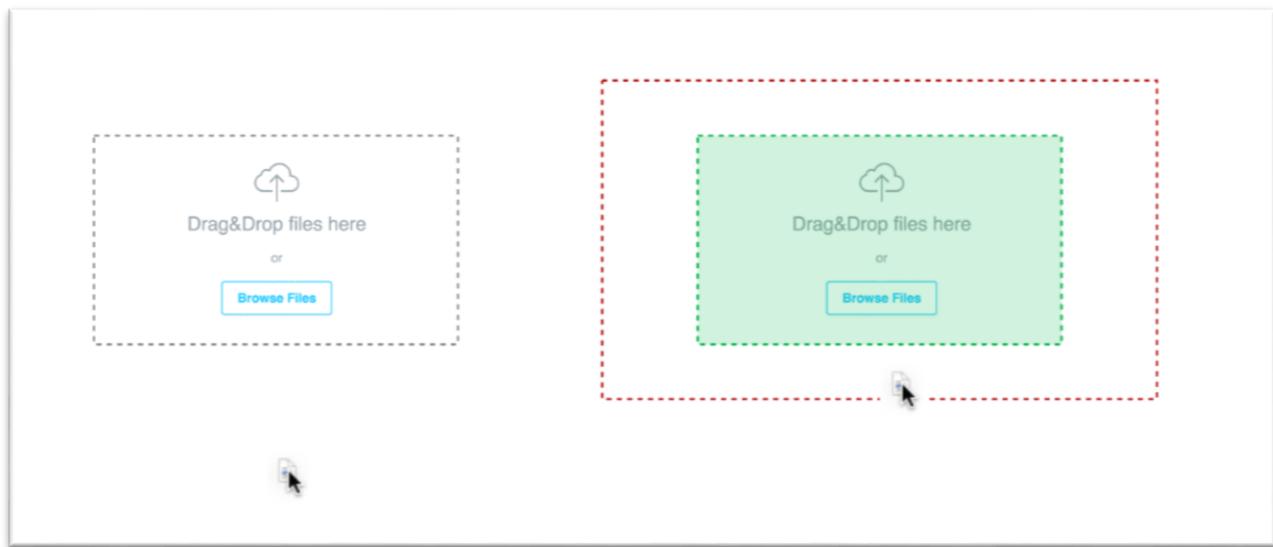
- "Powergrid" refers to a Laravel package or library that provides functionality for creating data grids or tables with advanced features and capabilities. It simplifies the process of displaying, sorting, filtering, and manipulating tabular data in Laravel application

-The benchmarking :

School Management Application	Free/Paid	PC/Phone	Programming Language	Best Features
Blackbaud	Paid	PC/Phone	Java, JavaScript	Comprehensive student information system
PowerSchool	Paid	PC/Phone	Java, JavaScript	Gradebook, attendance tracking, communication
RenWeb	Part free /premium Paid	PC/Phone	Java, JavaScript	Student management, parent portal, scheduling
Infinite Campus	Paid	PC/Phone	Java, JavaScript	Gradebook, data analytics, parent communication
Alma	Part free /premium Paid	PC/Phone	Ruby on Rails	Scheduling, student information, communication
Edsby	Paid	PC/Phone	.NET, JavaScript	Gradebook, attendance, parent communication
Gradelink	Paid	PC/Phone	Java, JavaScript	Online report cards, attendance, communication
Skyward	Paid	PC/Phone	Java, JavaScript	Gradebook, student information, parent portal
SchoolBrains	Paid	PC/Phone	.NET, JavaScript	Student information, scheduling, communication
MyClassCampus	Paid	PC/Phone	PHP, JavaScript	Attendance, exam management, parent portal

User Manual :

The initial mockup



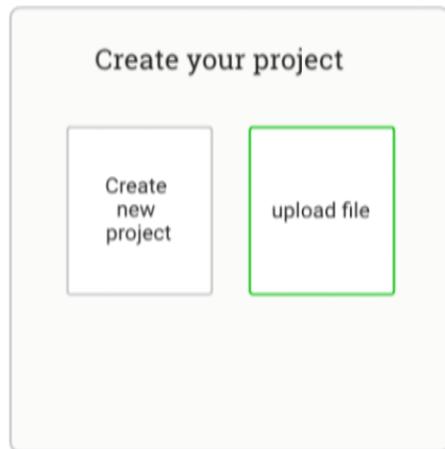
This was the initial design of the drag and drop zones simply with PHP LARAVEL

Then I tried making them using Livewire..

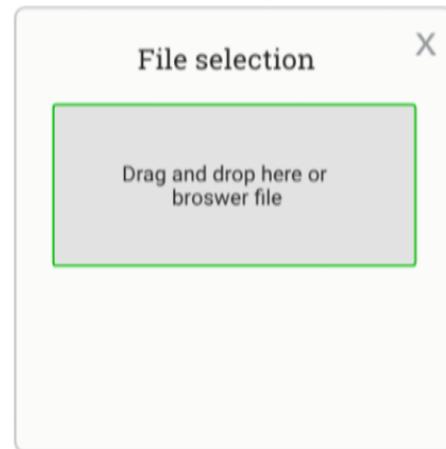
After I followed some tutorials and documentations to make them

And I got the results under with some error handlings too

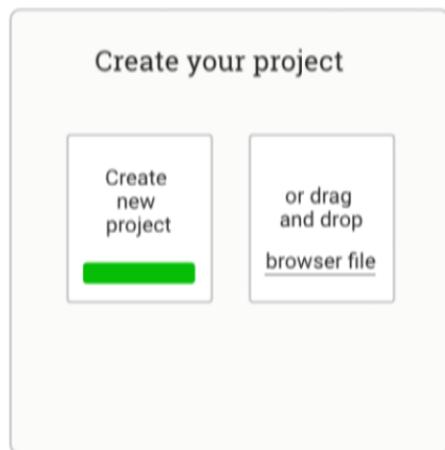
page 1



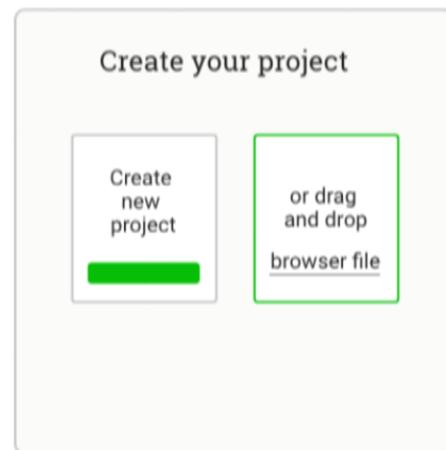
page 2 (drag & drop)



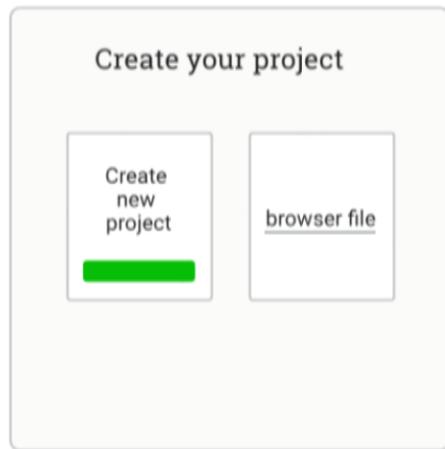
page 1



page 1 (drag & drop)



page 1



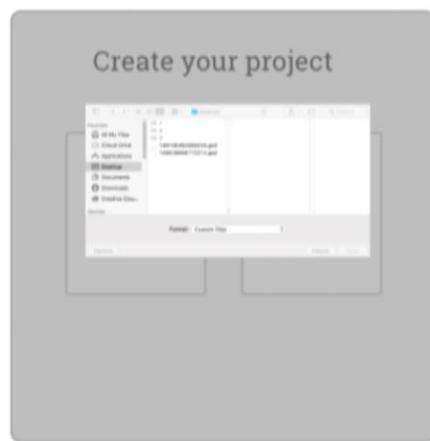
page 2 (file picker)



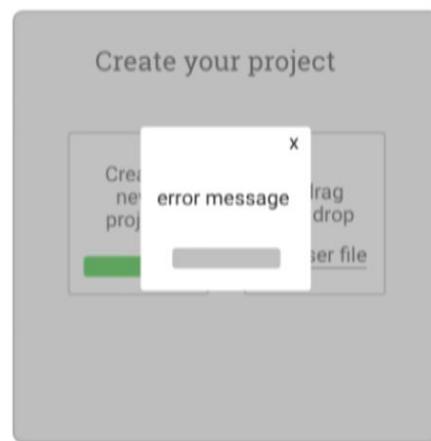
Error handling



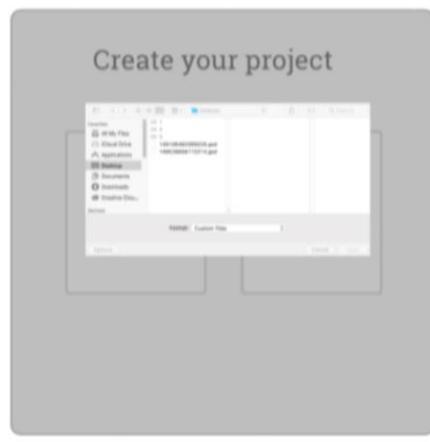
page 1 (file picker)



Error handling



page 1 (file picker)



Here with Laravel PowerGrid, I easily created some dynamic tables with pagination, sorting, searching, and filtering capabilities. It integrates seamlessly with Laravel's database models, allowing you to retrieve and display data from your database tables effortlessly.

The tables displayed by Laravel PowerGrid provide a clean and organized view of your data, making it easier for users to navigate and understand the information presented. The package offers flexibility in customizing the table layout, column widths, and data formatting

A screenshot of a dynamic table generated by Laravel PowerGrid. The table has a header row with columns for ID, PRATO, CATEGORIA, PREÇO, PREÇO DE VENDA, CALORIAS, EM ESTOQUE, COZINHA, DATA DE PRODUÇÃO, and AÇÕES. There are search and filter inputs at the top for each column. The body contains 10 rows of dish data, each with a checkbox, a number, the dish name, category, prices, kcal, stock status, kitchen, production date, and edit/delete buttons. At the bottom, there is a page navigation bar showing 'Mostrando 1 até 10 de 306 Registros' and a set of navigation icons.

ID	PRATO	CATEGORIA	PREÇO	PREÇO DE VENDA	CALORIAS	EM ESTOQUE	COZINHA	DATA DE PRODUÇÃO	AÇÕES
	CONTÉM	SLECCIONE	MIN	MIN		TOODS	SLECCIONE		
	PRATO		MAX	MAX					
1	Pastel de Nata - 910	Sobremesas	R\$ 123,36	R\$ 141,86	814 kcal	<input type="checkbox"/>	MG	14/07/2021	<button>Edit</button> <button>Delete</button>
2	Peixada da chef Nábia - 1	Carnes	R\$ 184,96	R\$ 212,70	466 kcal	<input checked="" type="checkbox"/>	SP	18/07/2021	<button>Edit</button> <button>Delete</button>
3	Carne Louca - 1	Carnes	R\$ 79,38	R\$ 91,29	717 kcal	<input checked="" type="checkbox"/>	BA	30/06/2021	<button>Edit</button> <button>Delete</button>
4	Bife à Roál - 1	Carnes	R\$ 132,31	R\$ 152,16	744 kcal	<input checked="" type="checkbox"/>	SP	06/07/2021	<button>Edit</button> <button>Delete</button>
5	Salmão a Fiorentina - 1	Poixe	R\$ 60,40	R\$ 78,66	290 kcal	<input checked="" type="checkbox"/>	MG	25/06/2021	<button>Edit</button> <button>Delete</button>
6	Francesinha - 1	Carnes	R\$ 177,27	R\$ 203,86	810 kcal	<input checked="" type="checkbox"/>	BA	24/06/2021	<button>Edit</button> <button>Delete</button>
7	Barco-Sushi da Sueli - 1	Carnes	R\$ 117,92	R\$ 135,61	592 kcal	<input checked="" type="checkbox"/>	SP	13/07/2021	<button>Edit</button> <button>Delete</button>
8	Barco-Sushi Simples - 1	Carnes	R\$ 52,14	R\$ 61,11	886 kcal	<input checked="" type="checkbox"/>	SP	14/07/2021	<button>Edit</button> <button>Delete</button>
9	Polpetone Filé Mignon - 1	Carnes	R\$ 163,69	R\$ 188,24	808 kcal	<input checked="" type="checkbox"/>	BA	02/07/2021	<button>Edit</button> <button>Delete</button>
10	Borba - 1	Sopas	R\$ 161,29	R\$ 185,48	517 kcal	<input checked="" type="checkbox"/>	RU	26/06/2021	<button>Edit</button> <button>Delete</button>

The final user interface

The interfaces displayed below were primarily created and designed by the team during my internship. The team collaborated to develop these user interfaces, leveraging their collective expertise and skills. Through a combination of coding, design principles, and iterative feedback

This screenshot shows a web-based application interface for managing educational materials. On the left, there is a vertical sidebar with various icons representing different functions or categories. The main header includes a search bar and several navigation buttons: Materials (highlighted in green), Courses, Textbook, Questions, and Quizzes. Below the header, there are three dropdown menus showing categories: 'Pré-scolaire' (selected), 'Préscolaire', and 'La petite section'. A large blue '+' button is located in the top right corner of the main content area. Underneath the dropdowns, there is a 'Choose An Action' button and two small icons (download and search). A search bar labeled 'Search...' is positioned to the right of the action buttons. At the bottom of the main content area, there is a table header with columns: ID, OFFICIAL ID, NAME, COLOR, IN TIMETABLE, IN ELEARNING, IN GRADEBOOK, COEFFICIENT, EXAM MARK, and CONTROI. Below the table header, it says 'No records found'. In the bottom right corner of the main content area, there is a message: 'Activer Windows' and 'Accédez aux paramètres pour activer Windows.'

This screenshot shows a modal dialog box titled 'New Material'. The dialog has a dark background and contains a form for adding a new material. At the top, there are five navigation buttons: Materials (highlighted in green), Courses, Textbook, Questions, and Quizzes. Below the title, there is a field labeled 'Materials:' with an empty input box. At the bottom of the dialog, there are two buttons: 'save' on the left and 'cancel' on the right. To the left of the 'save' button, there are two small icons (download and search). To the right of the 'cancel' button, there is a search bar labeled 'Search...'. The overall design is clean and modern, using a dark color scheme for the modal.

The screenshot shows a digital learning platform interface. On the left is a vertical sidebar with various icons: a blue square with a white question mark, a graduation cap, a person, a clock, a book, a gear, a lightbulb, a person with a gear, a person with a lightbulb, and a person with a gear and lightbulb. At the top right is a search bar with placeholder text "Search here..." and several small icons: a sun, a gear, a bell, a magnifying glass, and a double arrow. Below the search bar are five buttons: "Materials" (grey), "Courses" (green, indicating it is selected), "Textbook" (grey), "Questions" (grey), and "Quizzes" (grey). A large central area contains three dropdown menus: "Pré-scolaire" (selected), "Préscolaire", and "La petite section". At the bottom right of this area is a message: "Activer Windows" and "Accédez aux paramètres pour activer Windows.".

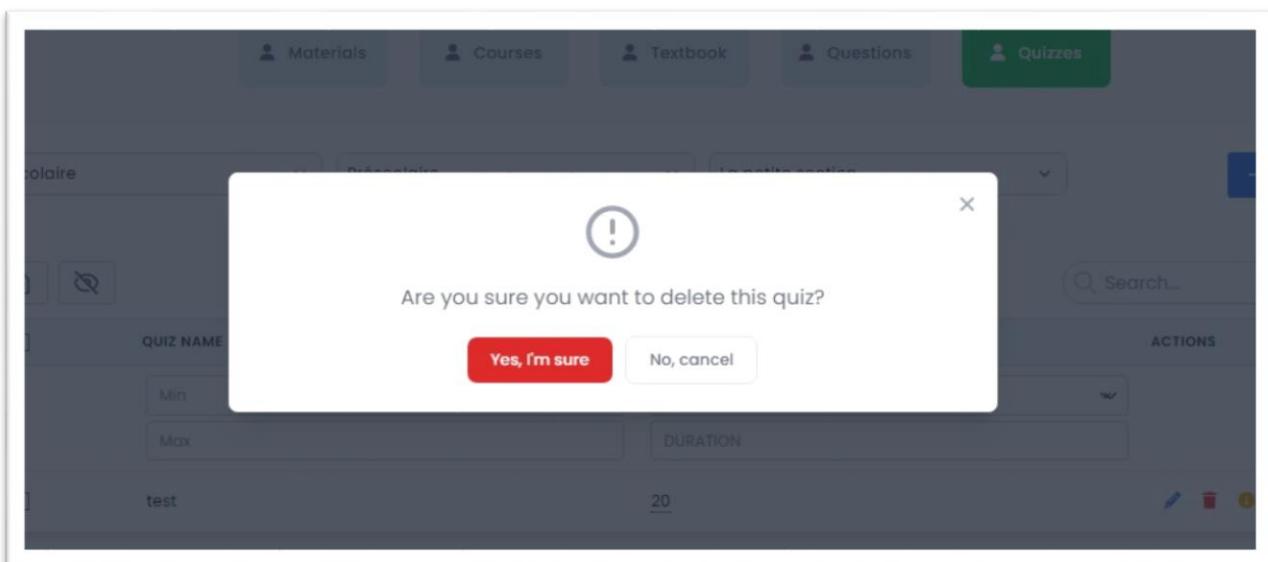
This screenshot shows the same digital learning platform interface, but the "Questions" tab is now selected (indicated by a green background). The top navigation bar and sidebar are identical to the first screenshot. Below the tabs, there are four dropdown menus: "Pré-scolaire", "Préscolaire", "La petite section", and "Select Material". To the right of these is a blue "+" button. Below the dropdowns is a search bar with placeholder text "Search...". Underneath is a table with the following columns: "ID", "QUESTION TEXT", "QUESTION TYPE", and "ACTIONS". The table has two rows, each with input fields for "Min" and "Max" under "ID", and "Contains" dropdowns for "QUESTION TEXT" and "QUESTION TYPE". At the bottom of the table area, the text "No records found" is displayed. At the very bottom of the page is a message: "Activer Windows".

This screenshot shows the 'Quizzes' section of a digital learning platform. On the left, there is a vertical sidebar with various icons representing different features like Materials, Courses, Textbook, Questions, and Quizzes. The main header includes a search bar, user profile icons, and navigation tabs for 'Materials', 'Courses', 'Textbook', 'Questions', and 'Quizzes'. The 'Quizzes' tab is highlighted with a green background. Below the tabs, there are three dropdown menus: 'Pré-scolaire', 'Préscolaire', and 'La petite section'. A blue '+' button is located to the right of these dropdowns. Underneath, there is a search bar with a magnifying glass icon and a 'Search...' placeholder. A table follows, with columns for 'QUIZ NAME', 'DURATION', and 'ACTIONS'. The first row of the table has input fields for 'Min' and 'Max' quiz names and dropdowns for 'Contains' and 'DURATION'. Below the table, a message says 'No records found'. At the bottom, there is a dropdown menu set to '10' and a note: 'Activer Windows' followed by 'Accédez aux paramètres pour activer Windows.'

This screenshot shows a 'new quiz' dialog box overlaid on the main 'Quizzes' section. The dialog has a dark background and contains fields for 'quiz name' and 'duration in min', both with input fields. At the bottom left is a 'SAVE' button in blue, and at the bottom right is a 'cancel' button in grey. The background behind the dialog shows the same interface as the top screenshot, including the 'Quizzes' tab, dropdown menus, and search bar.

This screenshot shows a search interface with three dropdown filters at the top: 'Pré-scolaire', 'Préscolaire', and 'La petite section'. A blue '+' button is to the right. Below the filters are two small icons: a plus sign and a magnifying glass. To the right is a search bar with the placeholder 'Search...'. The main area displays a table with one result. The columns are 'QUIZ NAME' (checkbox), 'DURATION' (checkbox), and 'ACTIONS'. The result row contains 'test' under QUIZ NAME and '20' under DURATION. The ACTIONS column has three icons: a pencil, a trash can, and a yellow circle. At the bottom left is a page number '10' with a dropdown arrow. At the bottom right, it says 'Showing 1 to 1 of 1 Results' and 'Activer Windows'.

This screenshot shows an 'Edit Quiz' dialog box. At the top, there are tabs for 'Materials', 'Courses', 'Textbook', 'Questions', and 'Quizzes', with 'Quizzes' being the active tab. The dialog title is 'Edit Quiz'. Inside, there are two input fields: 'quiz name' containing 'test' and 'duration' containing '20'. At the bottom are two buttons: a blue 'save' button on the left and a grey 'cancel' button on the right. In the background, a dark grey sidebar on the left has a 'QUIZ NAME' section with 'Min' and 'Max' buttons, and a footer row with 'test' and '20'.



A screenshot of the "Quiz details" page. At the top left, it says "Quiz details :". To the right, it shows "test : duration(20 minutes)".

Questions list: On the left, there's a dropdown menu set to "test", a checkbox for "Select All", and a blue "Add" button. Below it is a search bar with the placeholder "Search here".

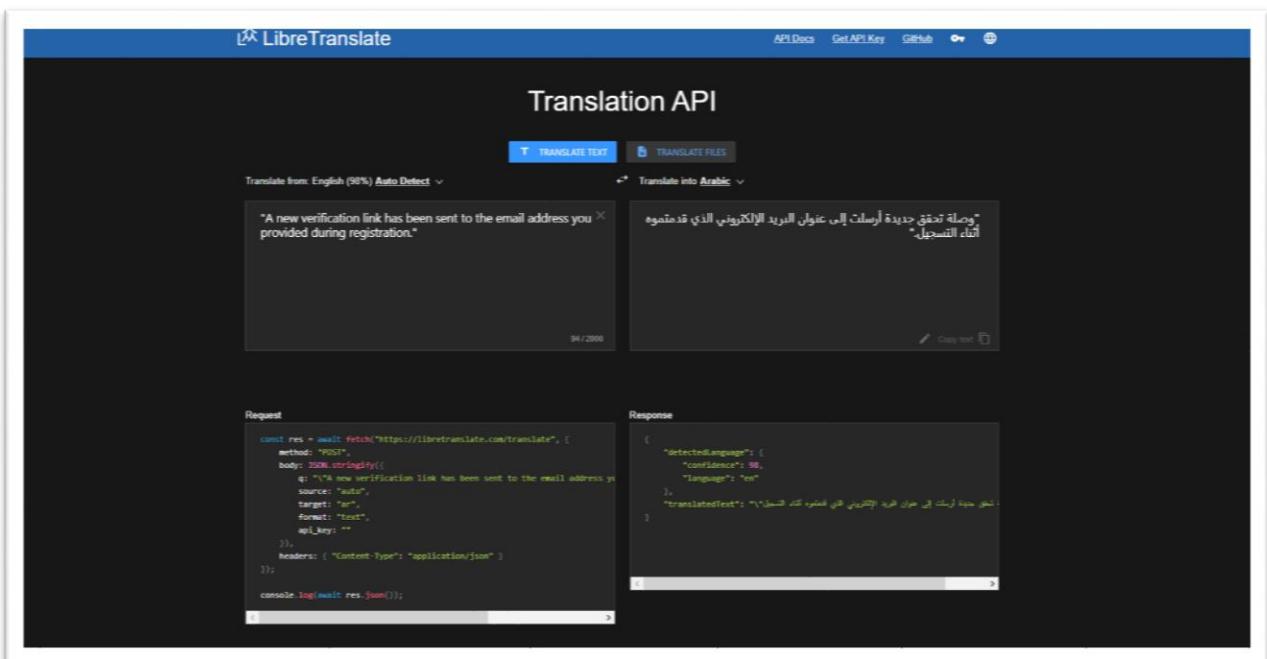
Quiz questions: On the right, there's another search bar with the placeholder "Search here". Below both search bars are tables with columns "QUESTION" and "TYPE".

At the bottom right, there's a message "Showing Active Windows" with a small progress bar.

I also had the opportunity to develop a Python program that utilizes the LibreTranslate API for translating paragraphs to any language. This program showcases my proficiency in Python programming and my ability to integrate external APIs into my projects. With the help of the LibreTranslate API, I was able to implement a seamless translation feature that enables users to input paragraphs in one language and obtain the translated version in their desired language.



```
C:\> Users > Houssam > Desktop > RAPPORT > 📡 Houssam's.py > ...
1  from translate import Translator
2
3  Languages = ['fr', 'it', 'es', 'ru', 'de']
4
5
6  text=input('Put the text u wanna translate :')
7  for language in Languages:
8      translator = Translator(provider='libre', from_lang="en", to_lang=language)
9      translation = translator.translate (text)
10     print(f' {language}: {translation}'')
```



The screenshot displays the LibreTranslate Translation API interface. At the top, there are tabs for "TRANSLATE TEXT" and "TRANSLATE FILE". The "TRANSLATE TEXT" tab is active. The "Translate from" dropdown is set to "English (98%) Auto Detect". The "Translate into" dropdown is set to "Arabic". The text input field contains the Arabic sentence: "وَلِمَّا تَدْفَعَ جَدِيدَةً أَرْسَلَ إِلَيْهِ عَذْلَانَ الْمَكَانِيَّ وَالْمُهَمَّوْهُ". The output text field shows the English translation: "A new verification link has been sent to the email address you provided during registration." Below the interface, a developer tools panel shows the Request and Response for a translation API call. The Request shows a JavaScript code snippet using the fetch API to send a POST request to the LibreTranslate API endpoint with a JSON body containing the source text and target language. The Response shows the JSON response object with fields for detected language, confidence, language, and translated text.

```
Request
const res = await fetch("https://libretranslate.com/translate", {
  method: "POST",
  body: JSON.stringify({
    q: "A new verification link has been sent to the email address you provided during registration.",
    source: "en",
    target: "ar",
    format: "text",
    api_key: ""
  }),
  headers: { "Content-Type": "application/json" }
});
console.log(await res.json());
```

```
Response
{
  "detectedLanguage": {
    "confidence": 99,
    "language": "en"
  },
  "translatedText": "وَلِمَّا تَدْفَعَ جَدِيدَةً أَرْسَلَ إِلَيْهِ عَذْلَانَ الْمَكَانِيَّ وَالْمُهَمَّوْهُ"
}
```

The screenshot shows the LibreTranslate Translation API interface. At the top, there's a blue header bar with the LibreTranslate logo and navigation links for "API Docs", "GitHub", and "Issues". Below the header, the title "Translation API" is centered. The main area is divided into two sections: "Request" and "Response".

Request:

```
const res = await fetch("https://libretranslate.com/translate", {
  method: "POST",
  body: JSON.stringify({
    q: "Hello there",
    source: "en",
    target: "es"
  }),
  headers: { "Content-Type": "application/json" }
);
console.log(res.json());
```

Response:

```
{ "trans": "Hola." }
```

In the "Request" section, the "source" field is set to "en" and the "target" field is set to "es". In the "Response" section, the JSON object has a single key "trans" with the value "Hola.". Above the "Request" and "Response" boxes, there are dropdown menus for "Translate from" (set to English) and "Translate into" (set to Spanish). To the right of the "Translate into" dropdown, there's a "Copy text" button.

Conclusion

On this report I tried to give an overview about my experience during this internship with our trainer under ADSELLO (paperless) on trying to help developing this school management website MANAR ,that it definitely made me learn and discover new things in this field.

The report is divided into several sections. First presented the company's context and the objectives of the internship. Then, described the various tasks I was assigned to, including the design and development of the application, as well as gathering user requirements and making that translation part.

I used various methods and technologies including programming languages such as Laravel, MySQL, Python ,Livewire and powergrid and also used relational databases to store repair-related data.

The application allowed for the automation of numerous manual tasks, thereby reducing the time required to process repairs. Users also appreciated the user-friendly interface of the application, which facilitated their daily work for teachers ,students and even their parents.

In conclusion, this internship has been a valuable and enriching experience. We were able to develop our technical skills and gain practical experience in the field management websites. We were also confronted with challenges that helped us enhance our problem-solving abilities and work efficiently under pressure.

At last even though I didn't achieve all the points ,due to some personal stuff and the tight time of the internship ,I'm very grateful that I had the opportunity to work on an amazing project like Manar that will definitely pop off in the future and further thanks to our supervisor and trainer M.Oussama Rahmouni for being the best guide you could have on this journey.

:)

Abbreviations

B : Boolean

D : Date

AN : ALPHANUMERIC

N : NUMERIC

V : VARCHAR

OBSERV. : Observation

UNQ : Unique

Ges : Gestion

ID : Identity

DL : Delay

d : DAY

m : Month

y : Year