Summer Training - ICS399

Software Engineer at Mawqoot

Alfaifi, Ammar

KFUPM

August 30, 2023

Contents

About Me

Mawqoot and Its Company

Company’s Main Product

Request Petition Feature

Loan Feature

Tools

Recommendation & Conclusion

About Me

About me :)

I'm Ammar Alfaifi, senior student. Some work I've done

- Double major in Physics and Computer science.
- Simulation and physics numerical solutions.
- ML and AI models: Weather status predictor. Repo
- Worked on many `djagno` projects, GraphQL/REST API. Petroly.co

Company and Product

Info about the company and its main product

Mawqoot and Its Company

Company Info

Vision: Our vision is to be at the forefront of pioneering technological advancements. We harness modern technologies to serve various sectors, making them accessible to all

- Sanim Information Technology.
- located in the Dhahran Techno Valley at KFUPM.

Company’s Main Product

Mawqoot

- Empowers employees with self-service capabilities.
- Streamlines operations by replacing paper records and spreadsheets.
- Mawqoot presents a cloud-based solution redefining personnel management.
- Fusion of mobile apps and a web platform for overseeing attendance, leave, and payroll.

Attendance Management

- Core: Robust attendance management.
- Access to attendance timesheet for corrections.
- App features: Location tracking, biometric verification.
- Tracks daily attendance, identifies tardiness, departures, and absences.

Compliance and Performance

- Enhances compliance, provides insights for decisions.
- Automated system detects employee infractions, enforces penalties.

Leave and Payroll Management

- Revolutionizes leave and payroll procedures.
- Employees request leave, access annual leave balance.
- System deducts leave from salaries, managers approve requests.
- Administrators generate detailed payrolls, comprehensive payslips.
- Simplifies leave requests, payroll generation; eliminates paper workflows.

Mawqoot Inteface

Figure 1: The Mawqoot main site, showing the UI.

Mawqoot Inteface

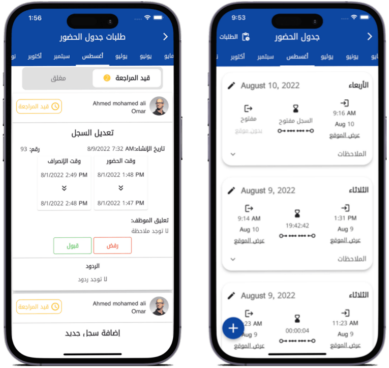


Figure 2: A show case for the mobile app.

Work Experience

Projects and features I worked on during my trainging.

Request Petition Feature

Request Petition

To allow an employee to request a petition to cancel an offence he/she has.

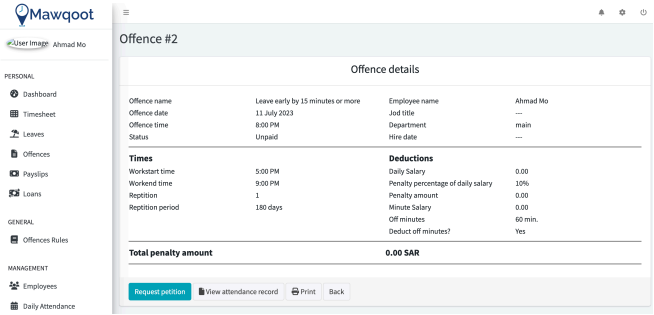


Figure 3: An example of offence that'll be deducted from next salary.

Request Petition

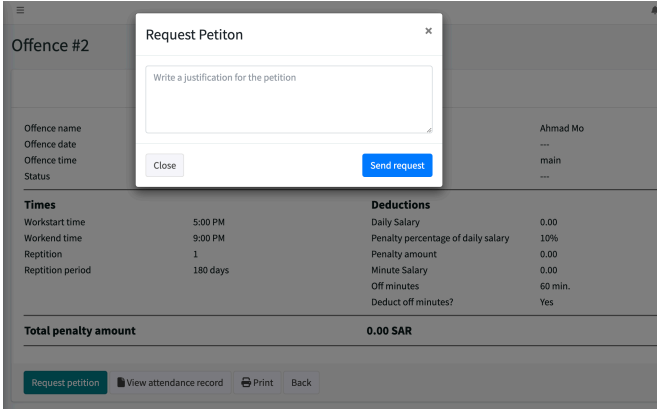


Figure 4: Employee writes why this offence should be cancelled.

Request Petition

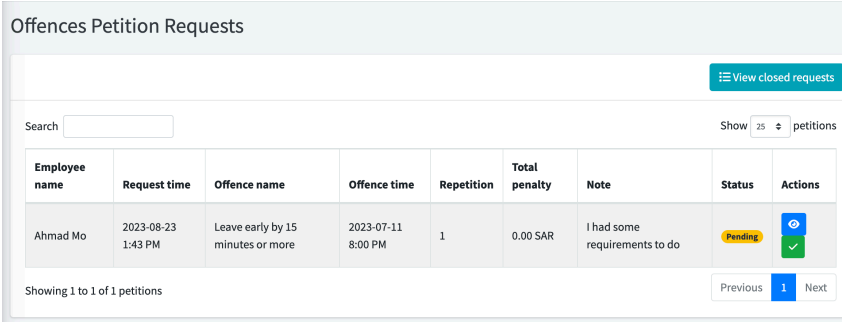
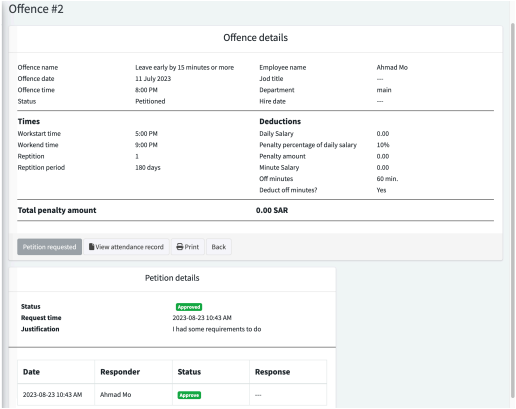


Figure 5: All admin in approve chain needs to approve in order.

Request Petition



Offence #2

Offence details

Offence name	Leave early by 15 minutes or more	Employee name	Ahmad Mo
Offence date	11 July 2023	Jod title	---
Offence time	8:00 PM	Department	main
Status	Petitioned	Hire date	---

Times		Deductions	
Workstart time	5:00 PM	Daily Salary	0.00
Workend time	9:00 PM	Penalty percentage of daily salary	10%
Reptition	1	Penalty amount	0.00
Reptition period	180 days	Minute Salary	0.00
		Off minutes	60 min.
		Deduct off minutes?	Yes

Total penalty amount **0.00 SAR**

Petition requested | View attendance record | Print | Back

Petition details

Status	Approved
Request time	2023-08-23 10:43 AM
Justification	I had some requirements to do

Date	Responder	Status	Response
2023-08-23 10:43 AM	Ahmad Mo	Approve	---

Figure 6: An example of approved petition.

Loan Feature

Loans Feature

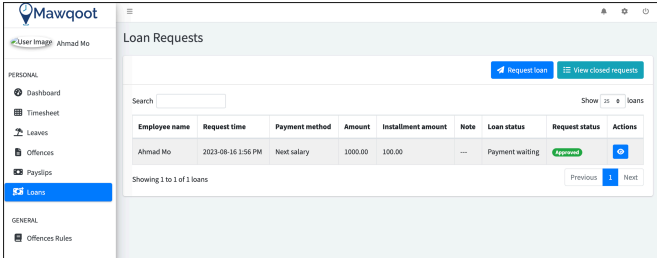


Figure 7: A detailed list showing employee's active loans.

Loans Feature

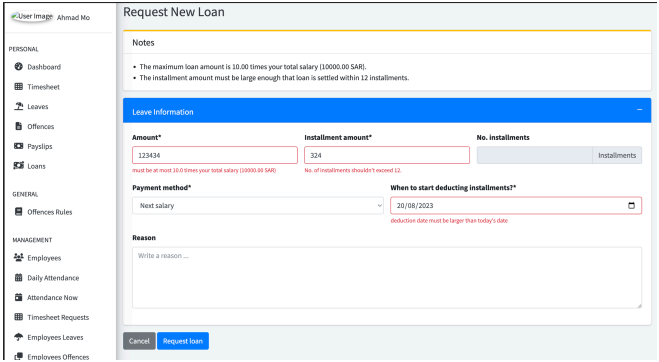


Figure 8: Request loan page, with some intentionally form errors.

Loans Feature

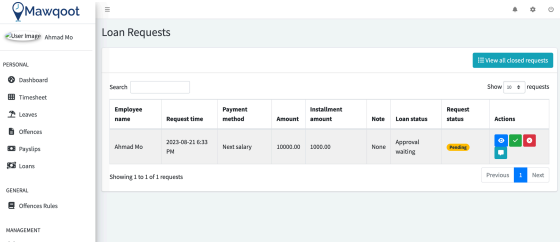


Figure 9: Company admins can view all employees loans, Approve/Reject the request.

Loans Feature

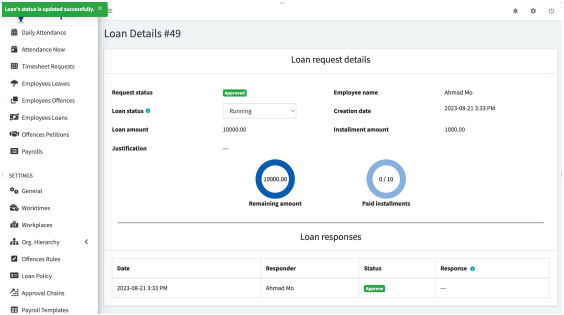


Figure 10: Loan page details. Current status. Accountants can change loan status.

Loans Feature

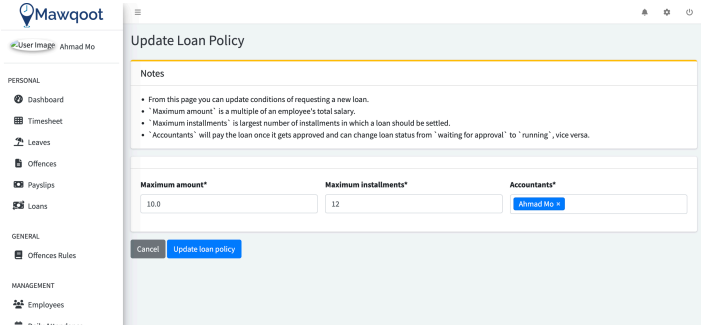


Figure 11: Company's loan policy, it gets enforced while requesting new loan.

Thank you for listening!

Tools

Figure 12: Frameworks used by Mawqoot.

Figure 13: Management tools we used.

Recommendation & Conclusion

Recommendation

Based on my experience during my summer training, I highly recommend working with the Mawqoot app, especially for students who want to gain practical experience in the software engineering field.

Conclusion

This report outlines the most important skills I learned, the range of experience I obtained, and the personal and professional growth I experienced as a result of my summer training. Overall, this report aims to provide an accurate representation of my summer training experience, and I hope it serves as a valuable resource for those who may be interested in pursuing a career in the same field.

Thank you for listening!