

Internship Report

Damietta Port - Automations and digital transformation department

Mohamed Hesham Elhendy

40-11835

Major: MET

Mail: mohamed.elhendy@student.guc.edu.eg

Supervisor : Eng/ Mohamed Eltarabily

Automations and digital transformation Project Manager

Mail: Meltarabily@dpa.gov.eg

Date : 06/12/2021 - 28/02/2022

Student Report

Damietta Port

DPA's Vision

Damietta Port Authority is the pivot of economic, scientific and social development in its local and regional domain, and our goal is to achieve national prosperity.

DPA's Mission

Damietta Port is a leading port in offering maritime transport, logistics and marine services .The port aims to meet customer needs in areas such as stevedoring, ,storing and logistics at highest productivity levels and up to top standards of safety, quality and environment preservation .

Damietta port is strategically located and has an impressive infrastructure to operate the port. The port is also connected to the hinterland via an integrated network of multimodal transport including land, rail and river which renders the port accessible.

<https://www.dpa.gov.eg>

The department of digital management of Damietta Port

In recent times , information technology has played an enormous role in conducting work in facilities .It's not just about collecting data or doing a lot of mathematical equations . Rather, information technology has become the one that manages the facility in full matter . including pre-planning of operations, control of operation ,analyzing and monitoring. In addition to transactions with external facilities .The department of digital management aims to identify and remove work obstacles, resulting in an increase in the facility's performance rate.

A whole building with all proper equipment was prepared in 2005 under the sponsorship of the ministry of transportations and the ministry of communications to help the port evolving in the IT and communications field to affect positively on the national economy.

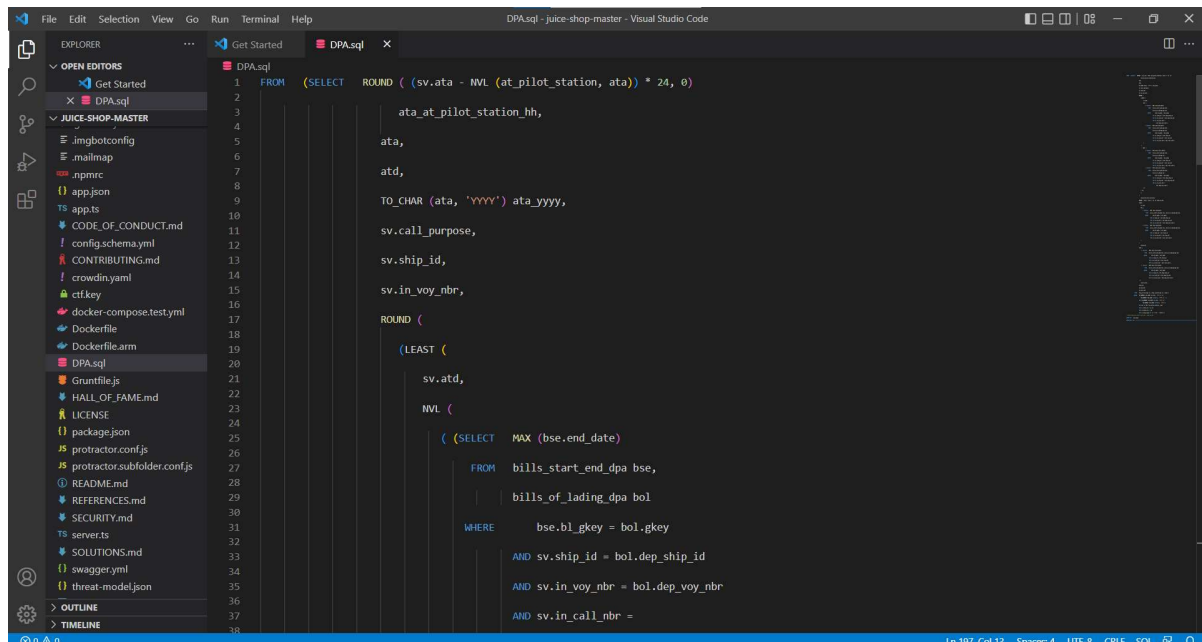
https://www.dpa.gov.eg/ar/?page_id=228

About my tasks in the department :

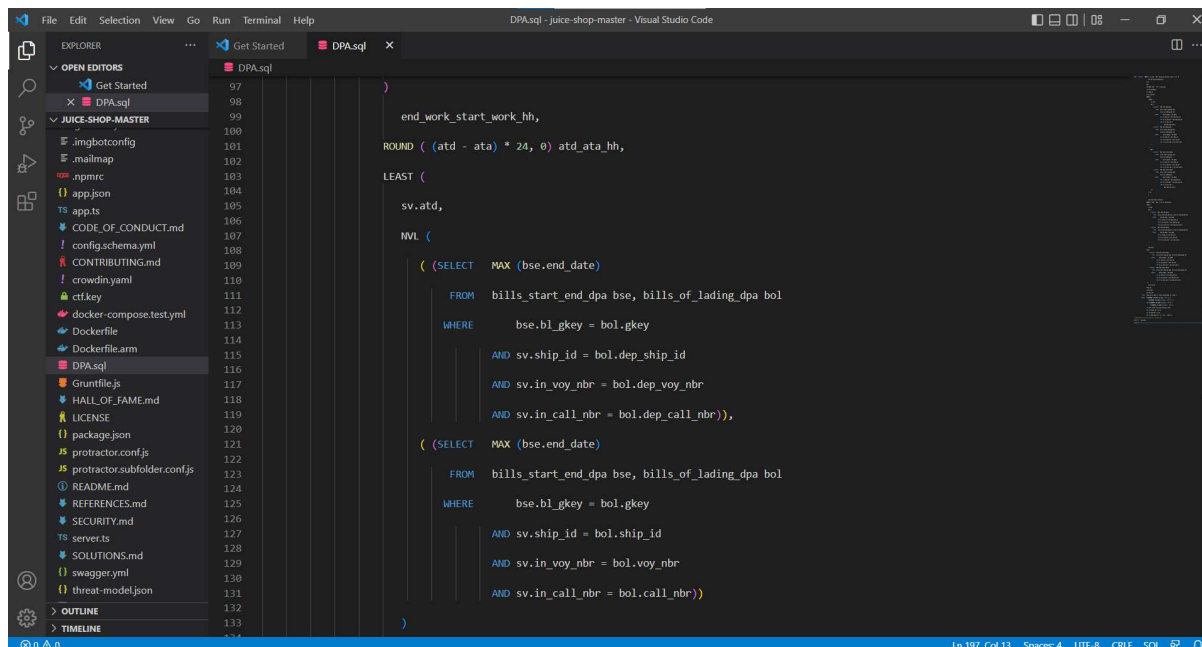
at the first i got a lot of help from my colleague (system admin) to connect my laptop to the department oracle databases,

so i would be able to start my tasks which was:

1) creating procedures and APIs using SQL to get specific data according to each one's description . For example, this procedure was to analyze the time spent for a vessel during a stay at port.

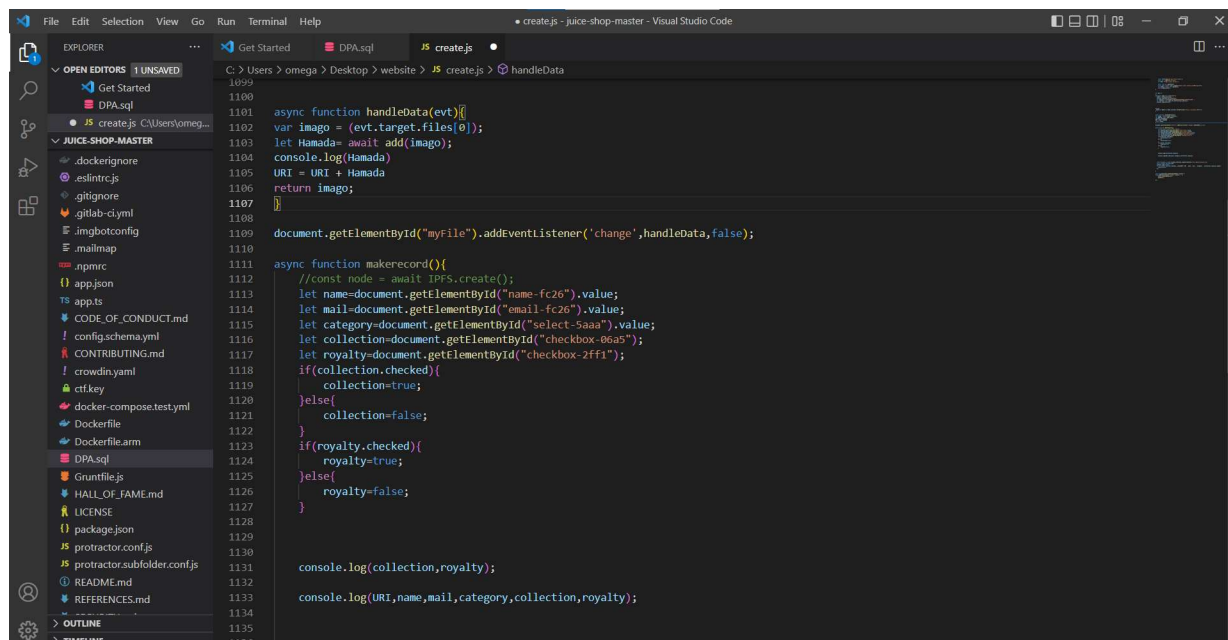
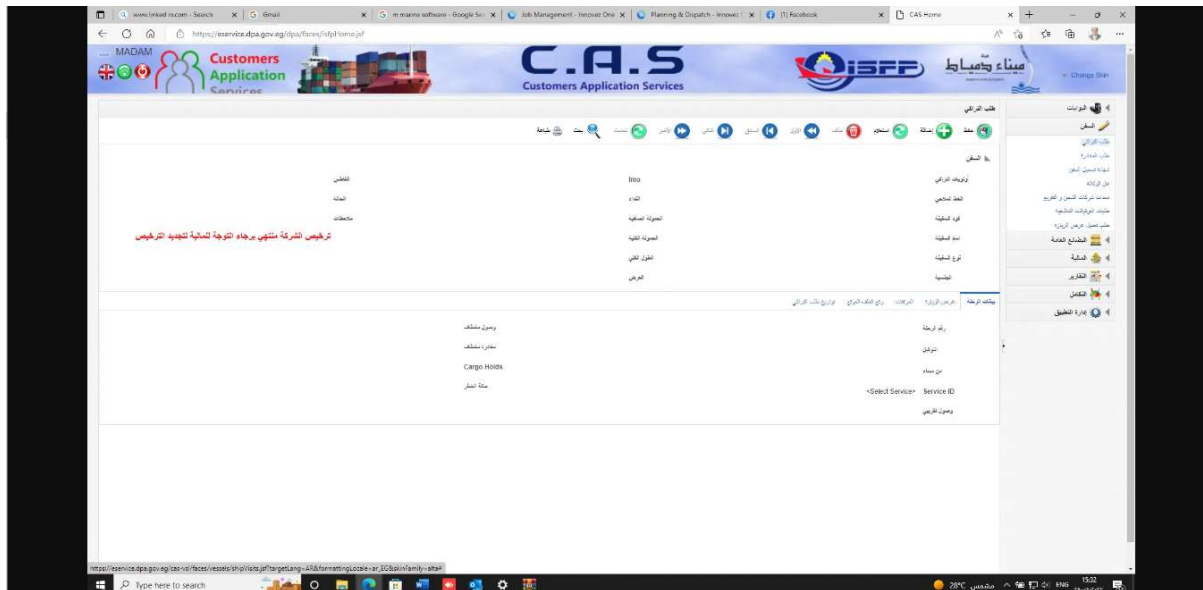


```
1  FROM (SELECT ROUND ( (sv.ata - NVL (at_pilot_station, ata)) * 24, 0)
2
3      ata_at_pilot_station_hh,
4
5      ata,
6
7      atd,
8
9      TO_CHAR (ata, 'YYYY') ata_yyyy,
10
11     sv.call_purpose,
12
13     sv.ship_id,
14
15     sv.in_voy_nbr,
16
17     ROUND (
18
19         (LEAST (
20
21             sv.atd,
22
23             NVL (
24
25                 ( (SELECT MAX (bse.end_date)
26
27                     FROM bills_start_end_dpa bse,
28
29                     bills_of_lading_dpa bol
30
31                     WHERE bse.bl_gkey = bol.gkey
32
33                     AND sv.ship_id = bol.dep_ship_id
34
35                     AND sv.in_voy_nbr = bol.dep_voy_nbr
36
37                     AND sv.in_call_nbr =
```



```
97
98
99     end_work_start_work_hh,
100
101     ROUND ( (atd - ata) * 24, 0) atd_ata_hh,
102
103     LEAST (
104
105         sv.atd,
106
107         NVL (
108
109             ( (SELECT MAX (bse.end_date)
110
111                 FROM bills_start_end_dpa bse, bills_of_lading_dpa bol
112
113                 WHERE bse.bl_gkey = bol.gkey
114
115                 AND sv.ship_id = bol.dep_ship_id
116
117                 AND sv.in_voy_nbr = bol.dep_voy_nbr
118
119                 AND sv.in_call_nbr = bol.dep_call_nbr)),
120
121             ( (SELECT MAX (bse.end_date)
122
123                 FROM bills_start_end_dpa bse, bills_of_lading_dpa bol
124
125                 WHERE bse.bl_gkey = bol.gkey
126
127                 AND sv.ship_id = bol.ship_id
128
129                 AND sv.in_voy_nbr = bol.voy_nbr
130
131                 AND sv.in_call_nbr = bol.call_nbr))
132
133         )
134
```

- 2) After implementing the procedures I was responsible to apply tests on it's behavior and to correct if there are any bugs found.
- 3) After spending some time at the first with just backend development , I started to work on the frontend using javascript to connect the database with the the user interface.



About the field trips . I had a lot of trips inside the port so I would be able to know a lot of details which helped me a lot in implementing my tasks ,also knowing what is the best approach after knowing the problems and the suggestions from the Port staff.

I had a lot of team work especially at the first because we were like a chain each one is working after another one and maybe working on the same milestone together by dividing the tasks required according to the strengths of each one.

I had done a lot of research because that's what we always do as developers because no one of course knows about all the technologies used in each company and each project so you have to do a lot of searching to meet your deadlines properly.

The softwares I used in the internship was mainly: Oracle databases , SQL ,VS code , JavaScript , HTML , CSS ,Toad oracle .

Evaluation

I have gained a lot of skills during this internship :

- commitment as it was for 3 months
- teamwork as i was working with a team of 30 developers and much more for the whole Port staff
- presentation skills in showing what i done and what is my upcoming plan
- alot of new technical skills with intensive practical application

Actually the internship was a very good experience for an entry to my career. It gave me new ideas for my future career goals.

The most related courses in guc to the internship was :

- Databases
- Data structures
- Advanced computer lab(web development)

I would recommend this facility strongly to any GUC student .

Applying what you have studied for a lot of time gives you a huge push in your way of thinking . allowing yourself to have dozens of new ideas and new approaches to execute.

And for the Port they are from the most important Ports in all the mediterranean sea,Also having a lot of agreements with a lot of European countries like Spain , Italy & Germany To explore ways of cooperation. Using their advancement in information technology which save for them a lot of time in operations and the decisions making.

Confirmation Email from the department supervisor

← → ↻ 🔒 mail.guc.edu.eg/owa/?ae=Item&xt=IPM.Note&id=RgAAAACZemb8x86... ☆ B 🐯 ⚙️ 📧 M ⋮

Microsoft
Outlook Web App Type here to search Entire Mailbox 🔍 📖 Options ? Sign out

Mail 📅 📁

- Deleted Items (123)
- Drafts [21]
- Inbox**
- Junk E-Mail
- Sent Items

[Click to view all folders](#) ▼

📁 Manage Folders...

📧 Reply 📧 Reply All 📧 Forward 🗑️ X 🗑️ Junk Close

[EXTERNAL EMAIL] - Confirmation Letter for Completion of Training
Mohamed Eltarabily [Meltarabily@dpa.gov.eg]

Sent: Tuesday, June 28, 2022 3:30 PM
To: Mohamed Hesham Mohamed Elhendy

Dear Mohamed ELHENDY,

With due respect this letter is to inform that(mohamed hesham elhendy-Student ID: 40-11835) finished his training session as software developer,

you have started this session from (06/12/2021) to (28/02/2022) as part time: 4 days aweek 5 hours each.

Hope you enjoyed working with us and learned the basics of Query structure and connection to different Database type Oracle ,MSSQL and how to built a professional query sentences reaching to the user interface

Thanks,

Mohamed ELTARABILY
Automations and digital transformation Project Manager
Damietta Port Authority

Internship Evaluation & Reporting

Thank you for taking the time to complete this form, this evaluation will be used to assess the student's participation in the internship program.

Supervisors, using the form below please evaluate the student who interned with your organization, institution, or business. You can fill out this form electronically or you can fill it manually but eventually it must be signed and stamped from the company's side.

Please note that part I & III should be completed by the intern, part II should be completed by the direct supervisor in the company.

Part I. GENERAL INFORMATION - STUDENT'S INPUT

Student Info:

Student Name: Mohamed Hesham El-Horoby Student ID No.: 410-11835

Faculty: Engineering Major: ME+

Student Mobile No.: 00201016333468

Internship Info:

Company Name: E/mina damiita Port

Core Industry/Business: industry Country: Egypt

Supervisor Name: Mohamed El-Harabily Supervisor Job Title: _____

Supervisor Tel. No.: _____ Supervisor Mobile No.: _____

No.: 0020111483110 dpa.gov.eg

Supervisor E-mail: Melharabily@ Training Department(s): _____

Source of Internships: (1) SCAD office (2) on my own (3) Referrals from GUC TA/Dr. (4) Recruitment website (5) others:

Work Place: (1) Organization (2) Head Office (3) Branch (4) Factory (5) Site (6) Others:

Part II. EVALUATION AND COMMENTS - DIRECT SUPERVISOR'S INPUT

Period of Internship (dd/mm/yyyy) From: 1/12/2021 To: 1/3/2022

Internship nature (Enrollment Status)

☒ Part time Please specify, no. of Days per week: 4 hours per day: 5

☐ Full time Please specify, no. of Days per week: _____ hours per day: _____

Company Stamp

For SCAD internal use only

Serial no.	SCAD Comment	Academic Reviewer Comment	Academic Reviewer Signature
			<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected Reason of rejection: Signature:

Please evaluate student's performance by marking the appropriate box:

For each of the following aspects, please mark the box in the rating scale that most closely corresponds to your evaluation of the profile of the student during the internship period. Please also feel free to offer comments and suggestions for changes and improvements in the space provided at the end of the form.

1=Unsatisfactory	2=Below Average	3=Satisfactory	4=Above Average	5=Excellent
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	1	2	3	4	5	NA
Skills & Professional Attributes						
Ability to adapt to change				✓		
Analytical skills				✓		
Collecting data/ research data skills					✓	
Creativity					✓	
Follow up skills				✓		
Interpersonal skills with peers, supervisors, and clients				✓		
Problem solving					✓	
Punctuality				✓		
Reporting skills				✓		
Responsibility and accountability				✓		
Stress handling				✓		
Taking initiatives					✓	
Teamwork					✓	
Time management					✓	
Other: <i>hard work For long time</i>					✓	
Technical Background						
Technical Knowledge				✓		
Compatibility of technical skills with the job					✓	
Other:						
Command of Languages						
Arabic					✓	
English				✓		
German						
Other:						

1=Unsatisfactory 2=Below Average 3=Satisfactory 4=Above Average 5=Excellent

	1	2	3	4	5	NA
Computer Programs & Databases						
Please use space below in specifying the program/software used during the Internship and evaluate student's performance accordingly						
Oracle database				✓		
VS studio Code				✓		
Toad oracle					✓	

Overall Evaluation of Student's performance and profile					
Unsatisfactory	Improvement needed	Meets expectations	Exceeds expectations	Exceptional	NA
			✓		

General Comments & Recommendations: (kindly mention intern potentials, areas of further development or technical constraints encountered during the internship period)

This person is raw good, if trained and educated properly, he will give an impressive performance.

Yes No Maybe

Do you think similar candidates would fit in the Organization culture and qualify for job needs?

☐ ☐ ☐

Student Signature:

Date:

Mohamed Asgham Elhendy

Mohamed Elhendy

Supervisor Signature:

Date:

Mohamed Mousad Eltarbily

Mohamed Eltarbily

Part III. INTERNSHIP REPORT – STUDENT'S INPUT

- This report has to be prepared by the student, it must be prepared and written in a **computerized** format, submitting the report in hand written format will not be accepted.
- Kindly refer to the Internship Report writing Guidelines on the GUC intranet – SCAD office folder.
- This report will be reviewed and evaluated from internal faculty members.

Internship Title:

Company / Organization Name:

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Introduction: (Not less than 100 words) (should depict the main purpose of the report, covering the objective out of performing this internship in this industry/company specifically then cover the outline for the report's structure)

Company / Organization Description: (Not less than 100 words)

Internship Performed Tasks: (Not less than 100 words)

Internship Evaluation: (Not less than 100 words) (This section should answer the following questions in the form of a paragraph)

What skills do you think that you have gained from the internship? Did the internship meet your expectations? If not, please explain why? How do you think the internship will influence your future career plans? How do you think the internship activities that you carried out are correlated with your studies? Which of the academic courses that you have taken in GUC were the most related to your internship?

Conclusion: (Not less than 100 words) (A summary of key conclusions derived from the internship experience. general observations about the sector in which your internship company/institution operates)

Please rate your satisfaction with the internship experience.

☐ Very satisfied ☐ Somehow satisfied ☐ Neutral ☐ Somehow dissatisfied ☐ Very dissatisfied

Would you recommend this internship to other colleagues?

☐ Yes ☐ No ☐ Maybe

References: (If any external sources are used, provide references for any information quoted)

Appendices: (Upon availability, charts, pictures, etc.)

Disclosure / Confidentiality Agreement

This agreement is to acknowledge that the information provided by any company / organization during the internship is unique to this business and confidential.

Therefore, anyone reading this agreement agrees not to disclose any of the information provided during the internship without notifying & taking the employer's / supervisor's approval.