

PATCH LATEST
PASSPORT SIZE
PHOTOGRAPH

PERSONAL DETAILS

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Program : _____ Class _____

Address : _____

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Industrial Training Coordinator (PLIJ) : _____

COMPANY'S PROFILES

Company's Name : ANALOG DEVICES SDN. BHD.

Section/Unit : _____

Address : 19, Hilt Sungai Kluang 1, Bayan Lepas Free Industrial Zone

Phase 4

Postcode : 11900 Bayan Lepas, Pulau Pinang

Telephone No.: 04 - 615 1000 Fax's No: _____

Officer In-Charge : _____

Training Duration Start Date: 30 JAN 2023 End date: _____

IN THE EVENT OF EMERGENCY, PLEASE CONTACT:

Name : _____

Address : _____

Relationship : _____ No. Tel / H.P _____

DAILY REPORT

Date : 30 JAN 2023 (MONDAY) Day : # Day 1
Task : Orientation Supervisor's Name : _____

First day start with orientation . The orientation was for new intake not just interns , but also fresh graduate and new staff . Here I include the list along orientation day .

- 1) Documentation , Temporary card and Plant walk presented by HR Team .
- 2) Welcoming , Corporate and Company Profile , organization chart presented by HR team .
- 3) Cyber Security Awareness presented by IT Team .
- 4) Badge photo and Security briefing Session by Security Team .
- 5) Compensation and Benefit presented by HR Team .
- 6) How to Fill up TP3 Form / Tax Declaration Form by Finance Team
- 7) Employee Engagement : HR Policy , Code of conduct , Disciplinary , TMS (Leave Application) and more by HR Team
- 8) Quality System [ITS03] and Automotive System Awareness [BAPM2] presented by Quality Team
- 9) ESD awareness [JESB1] presented by Quality Team
- 10) Safety and health training presented by Safety Team .
- 11) Locker distribution

From the orientation I learn how is the flow of attendance , must and must not to do in the company , benefit and tour the workplace . Since theres no much time enough for touring workplaces , the tour only go for normal places .

DAILY REPORT

Date : 31 JAN 2023 (TUESDAY) Day : 094 2
Task : _____ Supervisor's Name : _____

One of the JI members 'Trim and Probe' teach me the basic of 'Backup and restore procedure'. There is 3 different way of the method by I only be taught 2 of the procedure.

- 2) Cloning/ ^{writing} tester config util
- 3) manual restore from dump server

Next what I have be taught is some command for Linux.

I learn how to command and how to use it. Example :

- 1) 'cat' for read
- 2) 'vi' for edit
- 3) 'esc + :wg!' for save
- 4) 'i' for insert
- 5) ':q!' for quite force

DAILY REPORT

Date : 1 FEB 2023 Day : DAY 3
Task : _____ Supervisor's Name : _____

Attend a meeting in the morning. Learn about first platform.

I gain knowledge about different type of tester in the platform. Different tester use different name, workstation,

OS, Integrator or Probe Tester. Example of standard prob for the platform is CTS 5010. It use CTS xx as hostname, Sparc Station 9 as workstation, Solaris 4.1.4 as OS and Integrator 4.0.0.23.

Next, I learn about Cron Tab and Cron Job. J1 is a command to run on a regular schedule. The format is of crontab is MIN HOUR DOM MON DOW CMD. Example of Cron Job:

The example : 10th June 8:30 am.

The format : 30 08 10 06 *

The explanation on how to get the understand the format is 30 on first column means 30 minutes. 08 on second column will be 08 AM. 10 on third column means 10th of the day. 06 on fourth column means 6th of the month (June). * means every day of the week 2.

Cron Job can be set to make task such as backup, updating, send email and more. Cron Job is a text file that specific the schedule of cron jobs.

DAILY REPORT

Date : 3 FEB 2023 Day : DAY 4

Task : _____ Supervisor's Name : _____

Second meeting about second platform . The tester are almost the same . All tester will be use the same work station 'Sun Blade 150' , same os which is Sun OS 5.8 or Solaris 8 .

DAILY REPORT

Date : 3 FEB 2023 Day : DAY 5

Task : _____ Supervisor's Name : _____

learn Linux Commands . They taught me on how the command would works . Some example of Linux command

- 'ls' for list all file directory
- 'ls -a' list all hidden file
- 'cd' to change particular directory
- 'ls -l' show file type and access permission

Next , learning 4 types of Workstation that industry use .

1) Sun Blade 150 . It produced by Sun Microsystem in 2001 .

It use Solaris 8 and 9

2) SUN Ultra 5 . It produced by Sun Microsystem in 1996 .

It use same os as Sun Blade 150 .

3) Sparc Station 5 . Known as SS5 and produced by

Sun microsystem in 1995 . The OS is Solaris 2.3 until Solaris 9

4) Integrator

DAILY REPORT

Date : 6 FEB 2023 Day : DAY 6

Task : _____ Supervisor's Name : _____

Public holiday , Thaipusam .

DAILY REPORT

Date : 7 FEB 2023 Day : DAY 7
Task : _____ Supervisor's Name : _____

From Analog staff & website 'J' have been assigned to complete 'Learning assignment changes'. The due is March, 11th March 2023. What I have complete and learn :

1) Global Workplace Harrasment. It provide guidance about creating a culture of respect and inclusion that is free from discrimination , harrasment or retaliation in any forms .

a) Conflict of interest training . Example of interest , outside business- business interest , relation interest or gifts and entertainment . Do not take any kind of interest because it will effect whole organization .

b) Insider Trading Company . It provide guidance and best practice to avoid violations . and Avoid sharing material , non public info with any person not authorized to know it .

4) Global anti bribery, and Corruption Training . This course provide about appropriate and inappropriate gifts and entertainment with additional training or global laws and regulations .

5) Global data privacy . It provide foundational understanding of the laws that protect personal data .

DAILY REPORT

Date : 3 FEB 2023

Day : DAY 8

Task : _____ Supervisor's Name : _____

Installing VM Virtual Box and Red Hat .

* VM Virtual Box installation and setup .

1) Go to official website '<http://www.virtualbox.org>' and download latest version depend on OS

2) Beginning installation , a welcoming gui will popout , click 'Next' to proceed

3) Now custom setup section , select installation location and click 'Next'

4) Now choose features needed . Tick all option and click 'Install' then click 'Finish' . Now VM Virtual Box is ready to use

* Red Hat Installation and Setup .

1) Download link '<https://developers.redhat.com/product/rhel/download>'

2) Download Dvd iso

3) Sign up acc

4) Install Red Hat Enterprise Linux 8.0 and click 'Enter'

5) A welcoming popout will appear . Now choose preferred language , click 'continue'

6) Now user need to configure some settings depends on needed

At the end of the installation . I did report for future use .

DAILY REPORT

Date : 9 FEB 2023 Day : DAY 9
Task : _____ Supervisor's Name : _____

Learn Perl Programming language. A staff provide me a slide of the language as guidance to learn and do practice base in the slide. I did a report of the practices I have done base on the std slide.

To strengthen my understanding, I did some beginner project of the language.

1) Basic Calculator. It contains basic operation like addition, subtraction, divide and multiplication.

2) Basic BMI calculator. It will calculate user BMI base on height and weight and description.

3) Automatic password generator. It will automatically generate password for user by just run it. It will combine the length (10), small letter (a to z), big capital letter (A to Z) and some symbol in it

Next, A staff bring me to production workplace. Since the workplace is big, He teach me on how to recognise different kind of machine. The staff demonstrate to me on how config the ip address.

DAILY REPORT

Date : 10 FEB 2023

Day : DAY 10 FRIDAY

Task :

Supervisor's Name :

Briefing about Python and Flask.

Python is a framework programming language while
Flask is a framework of Python. Flask have many
features like url routing and template engine.

Benefits of the framework are integrated support for:

- unit testing
- support secure cookies
- easy to deploy
- easy to create APIs
- support visual debugging
- easy integrated with different database
- use Jinja Template Engine.

Example of company or brand that use flask are Netflix
and Uber. As a beginner I learn on how to deploy
'Hello World' and my review is that this framework is
easy to learn.

DAILY REPORT

Date : 13 FEB 2023

Day : DAY 11 (MONDAY)

Task :

Supervisor's Name :

Self learning Flask by googling and youtube to gain more knowledge. During the learning process I ask one of my team member (senior staff) about flask to make my understanding is correct. He answered my question and show me one of his project. Thanks to him, now I am more crystal clear about the framework.

DAILY REPORT

Date : 14 FEB 2023 Day : DAY 12
Task : _____ Supervisor's Name : _____

Download Python .exe . The industry has a policy where some downloading need access granted / ^{permission} by an admin to do before installing . I meet an admin and request me to give permission to download some software and application on desktop that be given by the industry .

After done installing the needs of flask . I try to deploy a simple exercise practise of flask . What I have learned :

1) How to route or link any html page in the frame work .

Example : '{ url - for ('yourfunction') }' .

2) How to route or link css .

Example : {url - for ('static', filename = 'css/main.css')} .

DAILY REPORT

Date : 15 FEB 2023 Day : DAY 13
Task : _____ Supervisor's Name : _____

Installing Visual Studio Code on Industry desktop with some extension of Python .

After done Installing Visual Studio Code and some extension .

I tried to run previous practise using the Visual Studio Code .

Next I do some practice . Doing gaming homepage to test my html , css , and my javascript skill .

DAILY REPORT

Date : 16 FEB 2023 Day : DAY 14

Task : _____ Supervisor's Name : _____

A request from a team member to create a websystem called 'Inventory System'. In few Back in few days I learned some basic of Flask and Python so he ask me to create a websystem based on my understanding . What I have done :

- 1) Route and link pages to a dashboard
- 2) Create a database using MySQL
- 3) Connect database with flask app.
- 4) Start doing CRUD operation in the flask app

Error:

After finish doing CRUD (create , read , delete , edit) , I face at 'delete' . I manage to solve the problem then I face a new error . The error :

'Flask cannot read or understand codes'

Solution : From there I realize there missed query input in my code and different from database . At the end I manage to fix it .

DAILY REPORT

Date : 17 FEB 2023 Day : DAY 15
Task : _____ Supervisor's Name : _____

I review my flask app to the member that request the websystem. From there there are some additional function that I need to add :

- 1) Manually . From here user need to input data normally and manually .
- 2) Automatically . From here user just need to use Excel File and import it to the websystem without need to normal input one per one data .

After reviewed finish review . I study some information about the flask on how to extract excel file to a websystem . I need to gain knowledge before started doing it .

DAILY REPORT

Date : 20th FEB 2023 Day : DAY 16 (MONDAY)
Task : _____ Supervisor's Name : _____

The member send me a table diagram on how it should look . So I create a new database base on the diagram given .

After finish with new creating new database . I proceed with the function called 'Add Item automatically' .

User Just need to prepare an Excel file with data in it and Import it to the system . The system will extract data from the excel file .

I add a function where it will skip header or title that is in the excel file to prevent it from ~~going~~^{save} to database .

DAILY REPORT

Date : 21 FEB 2023

Day : DAY 17

Task :

Supervisor's Name :

continue with the last flask app. I did a testing data input phase where there are some missed data input that I did not notice before.

The solution : The data is missed input because of the format during import excel file to the web system. So the user need to make sure that the format of the file is in normal format. Example :

Example : Original data is in decimal but during import it has been change to ones decimal. Reminder that it excel itself that chang the value and not the system fault.

DAILY REPORT

Date : 32 FEB 2023 Day : DAY 16

Task : _____ Supervisor's Name : _____

Learning Flask on how Excel can interact with database.
Even though I manage to do the import excel file from previous flask project, I still need to gain more knowledge about it. what I have learned :

- 1) Extract File Excel File to database
- 2) Good Format that can be extract to database
- 3) Different way to Extract but still use Flask

DAILY REPORT

Date : 23 FEB 2023

Day : DAY 19

Task :

Supervisor's Name :

Continue with previous flask app. I received different data and table . I changed the table in MySQL base on what the member request and do testing phase to make sure it can be use .

DAILY REPORT

Date : 24 FEB 2023 Day : DAY 20
Task : _____ Supervisor's Name : _____

Continue with previous Flask app. & add new function to it
The function can generate report in xlsx format.

Conclusion ^{for the} ~~to the~~ latest flask app. It can: ~~add automatically~~

- 1) add automatically
- 2) generate report in xlsx

DAILY REPORT

Date : 27 FEB 2023

Day : DAY 21 (MONDAY)

Task : Backup and Restore

Supervisor's Name :

8e Two of team member bring me to the production to take some hard disk and do backup and restore to it.

There are different type of problem that require the backup and restore. The problem that we face is if partition in hard disk. One of the partition in the hard disk cannot be reach or read.

Solution : The original hard disk will be backup by secondary hard disk. Then the original harddisk that contain problem will be service and checkup to make sure if either hard disk corrupted or just the partition corrupted.

DAILY REPORT

Date : 28 FEB 2023

Day : DAY 22

Task :

Supervisor's Name :

Doing Research about Flask . I did revision about previous flask app of mine . I learn same thing to gain strengthen my knowledge of it

DAILY REPORT

Date : 1 MARCH 2023 Day : DAY 23

Task : _____ Supervisor's Name : _____

Continue with Flask Research . what I learn how to change
and why to change from 'http' to 'https'. Main reason
is to make your website more secure .

DAILY REPORT

Date : 2 MARCH 2023 Day : DAY 24

Task : _____ Supervisor's Name : _____

Continue with flask app. & start doing the design of the websystem also with the css . & use :

- 1) Boxicons : It is a open source icons more than 1500 icons
- 2) Google fonts : It is a open source font families and APIs
- 3) I add Darkmode to the websystem using javascript

DAILY REPORT

Date : 3 MARCH 2023 Day : DAY 25

Task : _____ Supervisor's Name : _____

Continue with designing the homepage of the flask homepage.

What I have done :

- 1) footer animation . The footer animation is ^{ocean} ~~litter~~ wave but looks like it is not suitable for the websystem
- 2) footer with no animation . I decided to make a normal look footer and to make it suitable with the websystem.

DAILY REPORT

Date : 6 MARCH 2023

Day : DAY 26 (MONDAY)

Task :

Supervisor's Name :

Continue with designing flask app. I add css on input type 'text' and 'textarea'.

After that I do research about css to redesign my homepage.

DAILY REPORT

Date : 7 MARCH 2023

Day : DAY 27

Task :

Supervisor's Name :

Fix a problem on XAMPP control panel.

The error : 'MySQL Shutdown unexpectedly'

The solution :

- 1) go to file explorer then folder 'xampp' then folder 'mysql'
- 2) in there copy folder 'data' and paste in folder 'mysql'.
new folder 'data-copy' will appear then change it to
'data-old'
- 3) open folder 'data' and select (mysql, performance-
schema, phpmyadmin, test). Delete those folders.
- 4) still in 'data'. There are some files and folders. Now
delete files except a file 'ibdata1', just delete file, do
not delete folder.
- 5) Back to folder 'mysql', select backup and copy all
files and folders in there except 'ibdata'. Then
paste it in folder 'data'.
- 6) Open Xampp control panel and run/start button for
Apache and MySQL
- 7) Check database in phpmyadmin

DAILY REPORT

Date : 8 MARCH 2023 Day : DAY 28
Task : _____ Supervisor's Name : _____

Continue with backend and front end changes for flask app.

Backend changes :

- 1) received new database changes and change it to as the same as request

Front end changes :

- 2) Previous flask app, there is dark mode . If remove it because it is unnecessary.

After doing changes. I did testing phase to make sure it can be use as before .

DAILY REPORT

Date : 9 MARCH 2023 Day : DAY 29

Task : _____ Supervisor's Name : _____

Continue css for uploading excel file page . I make it more fancy so user can drag file or click button to before submit file to the webystems

DAILY REPORT

Date : 10 MARCH 2023 Day : DAY 30 /
Task : Database changes Supervisor's Name : _____

Continue with flask app. & update the whole flask app
according to what member request on -
database changes .

DAILY REPORT

Date : 13 MARCH 2023 Day : MAY 31 (MONDAY)
Task : _____ Supervisor's Name : _____

Fix a problem with Visual Studio Code .

Error : 'The app / tool cannot be run and open > Code.exe
System error '

Solution : reinstall visual studio code . No worries any setup
and extension will not deleted even after
reinstall

DAILY REPORT

Date : 14 MARCH 2023

Day : DAY 32

Task :

Supervisor's Name :

Continue flask app by adding login page to the web system.

Previous there is no login for the web system.

After done , I do testing phase on the web system.

DAILY REPORT

Date : 15 MARCH 2023 Day : DAY 33

Task : _____ Supervisor's Name : _____

Continue with flask app . I add design to it by using my template that I created . I might change the css for login page but for now I use my own template .

DAILY REPORT

Date : 16 MARCH 2023 Day : DAY 34

Task : _____ Supervisor's Name : _____

Face a problem with Xampp like before. The solution will be the same.

After solving the problem. I did a testing phase on logout session. From there I notice something off. Where user can login back by clicking back button on browser and still can log in to the webosystem even ^{after} logout.

I do some research on how to solve it.

DAILY REPORT

Date : 17 MARCH 2023 Day : DAY 35

Task : _____ Supervisor's Name : _____

Continue with flask app where I manage to fix the logout session for the websystem. I use Javascript to prevent user from clicking back button.

After that I do some research and found the appropriate way to logout. Time It almost end of work time so I just take some notes of it to continue in next day.

DAILY REPORT

Date : 20 MARCH 2023 Day : DAY 36 (MONDAY)

Task : _____ Supervisor's Name : _____

Continue with flask app on logout session. I keep searching for information about logout. Even I already found way to logout, I did extra research in case there is other problem will appear if I only do it by not studying it.

I fill my day with gaining knowledge to make sure anyone will logout perfectly so that an intruder cannot steal any information in the web system

DAILY REPORT

Date : 21 MARCH 2022 Day : DAY 37

Task : _____ Supervisor's Name : _____

Working on Flask app logout session. After days of research,
I found the correct way to do it :

- 1) @wraps
- 2) Session . Clear
- 3) After-request
- 4) Expires

All of the above will prevent user from back to previous page.

After add it to the flask web system the logout finally works

DAILY REPORT

Date : 22. MARCH 2022 Day : DAY 35
Task : _____ Supervisor's Name : _____

Review the flask app to the member that request the web system.
Got positive feedback and might have additional function
for future.

After first review done, I do research on youtube for
some flask project. From there, my objective is to find
improvement than can be add to my flask app.

DAILY REPORT

Date : 23 MARCH 2023

Day : 09 DAY 39

Task :

Supervisor's Name :

Revision on current flask app. I did revision on current flask to strengthen my knowledge for what I have done and why I use some function in it. Example :

1) Pragma : used to control caching behavior when user click on reload / refresh button.

2) MIME Type : It is a media type. Use this so software can recognize on how to handle ~~this~~ data

3) @wraps : It is a built in function for Python. It is used as a decorator function

4) iterrows : allow to iterate each row in the Dataframe

DAILY REPORT

Date : 24 MARCH 2023

Day : DAY 40

Task :

Supervisor's Name :

Learn Debugging . One of team members suggest me to learn debugging .

Then I learn about Windows Batch File (BAT) . It can automate everyday tasks , shorten the required time to do something and translate complex process into something anyone could operate

DAILY REPORT

Date : 28 MARCH 2023 Day : DAY 42

Task : _____ Supervisor's Name : _____

Changing on styling function for generate report in flask app .

1) Change color

2) any data can be generate if there is a linebreak.

DAILY REPORT

Date : 27 MARCH 2023

Day : DAY 41 (MONDAY)

Task : _____ Supervisor's Name : _____

Refactor whole backend of flask app . Some lines from the code can be shorten to make it easier and faster to read .

Next I add a search field in the websystem that work as searching based on ID only .

After that I add some more new function to the 'generate report' function :

- 1) previous version only generate in default format
- 2) add some style in it so excel will be generate with style such as header color , bold font and more .

DAILY REPORT

Date : 29 MARCH 2023 Day : DAY 43

Task : _____ Supervisor's Name : _____

Working on function 'generate-report'. In previous function :

1) Color Header

2) Header style

3) Font style

4) color title

has been add to the function. After generate it, the style went well but the data is messy because it does not have format in it.

I add a function where the width can be set for each column so the output will be easier to read

DAILY REPORT

Date : 30 MARCH 2023

Day : DAY 44

Task :

Supervisor's Name :

Continue with flask app. There is a request where there is a column that hold long data. The member request it to be a button to view.

Next, studying Perl. I have been given task to learn and understand on how perl script works. My objective is to understand the code and not coding the code.

DAILY REPORT

Date : 31 MARCH 2023

Day : DAY 3+ 45

Task :

Supervisor's Name :

Studying Perl . Doing some revision on Perl Basic project
before further going with perl script.

DAILY REPORT

Date : 3 APRIL 2023 Day : DAY 46 (MONDAY)
Task : _____ Supervisor's Name : _____

Continue with flaskopp .

I add 'cancel' button that will cancel any operation without link needed .

Then I faced few bugs such as :

- 1) Button too wide
- 2) Bug view button cannot display if there is line break.

I manage to fix those bug at the end of working day .

DAILY REPORT

Date : 4 APRIL 2023 Day : DAY 47

Task : _____ Supervisor's Name : _____

studying Perl language language . I learn standard includes for Perl .

- 1) English → to make code more readable
- 2) Getopt::Long → get option
- 3) Carp → basic equivalent of warning and print message
- 4) File::basename → allow user to parse file , directory and more
- 5) Data::Dumper → it let user visualize of what contains in the script

First include

DAILY REPORT

Date : 5 APRIL 2023 Day : DAY 48

Task : _____ Supervisor's Name : _____

Learning Perl on how to copy or move a file to a new directory.

Example :

use File::copy

\$ original_file = 'original-filename.txt';

\$ new_file = 'new-filename.txt';

move(\$original_file, \$new_file) or die "Failed: \$!";

DAILY REPORT

Date : 6 APRIL 2023 Day : DAY 49
Task : _____ Supervisor's Name : _____

Learning Perl file handling operation such as :

- 1) open() : open file and return file handle
- 2) close() : close a file handle
- 3) print() : writes data o file
- 4) read() : reads data from a file
- 5) seek() : moves the file pointer to a specific location
- 6) tell() : return the current position of the file pointer
- 7) stat() : return information about a file , such as size
and permission

Conclusion , file handling is important aspect of Perl .
Perl will help user on handling files .

DAILY REPORT

Date : 7 APRIL 2023 Day : DAY 50
Task : _____ Supervisor's Name : _____

Continue with learning Perl Language. I learn on how to
delete /remove multiple files at once.

Example :

```
@files = ("one.txt", "two.txt", "three.txt")  
foreach $file (@files) {  
    unlink ($file);  
}
```

DAILY REPORT

Date : 10 APRIL 2023 Day : DAY 51 (MONDAY)

Task : _____ Supervisor's Name : _____

Learning Perl on how to check file base on what criteria we want.

1) -e for if exist

2) -r for if readable

3) -w for writable

4) -x for executable

5) -l for symbolic link

6) -d for a directory

DAILY REPORT

Date : 11 APRIL 2023 Day : DAY 52
Task : _____ Supervisor's Name : _____

Joined ' Hari Raya Contest 2023 : Poster Raya '

The contest period is 31 MARCH to 11 APRIL 2023. It is a individual participation. Voting day will be 12 April to 13 April (3.00 pm) at cafeteria.

DAILY REPORT

Date : 12 APRIL 2023

Day : DAY 53

Task :

Supervisor's Name :

Briefing back platforms to new recruiter . There is a new recruiter to this team so a member ask me to join . From there I help him to understanding platforms in here and other info basic information to him .

DAILY REPORT

Date : 13 APRIL 2023 Day : DAY 54

Task : _____ Supervisor's Name : _____

Learning Debugging Javascript using chrome debugger. I learn how to launch it by Inspect also function of icons in it.

After launching it the page will be divided to three section which is File navigation, Code editor and Javascript debug.

User need to put breakpoint to lines that have suspicious then press F5 to run debug.

Icon :

▶ = run

➡ . = run to next command

➡ ⏪ = step over the next command without going to a function

➡ ✎ = disable all breakpoint

DAILY REPORT

Date : 14 APRIL 2023

Day : DAY 55

Task :

Supervisor's Name :

Working on Flask App . I want to make sure that my codes
is readable and easy to understand for diff user .
I add comment for every function in the code and
explain how the codes work .

DAILY REPORT

Date : 17 APRIL 2023 Day : DAY 56 (MONDAY)
Task : _____ Supervisor's Name : _____

Start consolation prize for 'Abi Poster Raya' contest.

Announcement for prize for 'Abi Poster Raya' contest . I got
consolation prize . The prize is KFC coupon .

DAILY REPORT

Date : 18 APRIL 2023 Day : DAY 57
Task : _____ Supervisor's Name : _____

Improving styling of generate format. I add a function
to date and time base on when it get generate. I use
different background color and font so user will noticed
~~date~~ the ~~date and time~~ section.

Example :

```
def generate_date():
    # get current date
    today = datetime.date.today()
    # format date as dd-mm-yyyy
    return today.strftime('%d, %m, %Y')
```

DAILY REPORT

Date : 19 APRIL 2023 Day : DAY 58

Task : _____ Supervisor's Name : _____

Workstation

and cloning

Learning Configuration of Workstation and Integrator .

Cloning :

DAILY REPORT

Date : 20 APRIL 2023 Day : DAY 59

Task : _____ **Supervisor's Name :** _____

DAILY REPORT

Date : 21 APRIL 2023

Day : DAY 60

Task :

Supervisor's Name :

Revision on own Flask project. While scanning the project I did research if there is ~~was~~ anything that I can improve for backend and frontend.

Turns out I can improve more on backend by reformat few lines also improving security of the Flask app

DAILY REPORT

24

Date : 26 APRIL 2023 Day : DAY 61

Task : _____ **Supervisor's Name :** _____

'Hari Raya Aidilfitri' Hot Public Holiday

DAILY REPORT

Date : 25 APRIL 2023 Day : DAY 62

Task : _____ Supervisor's Name : _____

'Hari Raya Aidilfitri' Holiday

DAILY REPORT

Date : 25 APRIL 2023

Day : 63 DAY 63

Task :

Supervisor's Name :

'Unpaid leave' due to family matter

DAILY REPORT

Date : 27 APRIL 2023 Day : DAY 64

Task : _____ Supervisor's Name : _____

'Unpaid leave' due to Family problem

DAILY REPORT

Date : 1 MAY 2023 Day : DAY 65

Task : _____ **Supervisor's Name :** _____

'Labor day'

DAILY REPORT

Date : 2 MAY 2023

Day : DAY 56

Task :

Supervisor's Name :

~~Learning MySQL database.~~

How Learn how to deploy flask app on Github .

- ① Connect github account to Azure
- ② Select Appservice Todo Build Service
- ③ Choose your flask repository
- ④ Github code has been deployed
- ⑤ Go to application setting and add following code to 'startup file'

the code : gunicorn --bind = 0.0.0.0 --timeout 600 main:app

DAILY REPORT

Date : 3 MAY 2023

Day : Day 67

Task :

Supervisor's Name :

Learn how to deploy Flask app on python anywhere.

- ① create beginner account for free
- ② Go to web tab and add new app.
- ③ select python framework , just choose 'manual configuration' and select python version.

Then setup backend

- ① go to console tab and open new bash console
- ② clone 'myrepo' from github
- ③ create visual environment same as in link
<https://help.pythonanywhere.com/pages/Virtualenvs/>.
- ④ now install 'pip install -r requirement.txt'
- ⑤ set 'source code' then configure wsgi.py as
example : '/testaccount 2022-pythonanywhere.com-wsgi.py'
- ⑥ put directory under virtualenv
- ⑦ then reload to URL that be given
- ⑧ enable https

DAILY REPORT

Date : 4 MAY 2023 Day : DAY 68

Task : _____ Supervisor's Name : _____

— Do revision on workstation in the spec such as host name, os, and platform

— Flask Project

Complete on increment and decrement task
using javascript for websystem

DAILY REPORT

Date : 5 MAY 2023 Day : DAY 69

Task : _____ Supervisor's Name : _____

- Learn basic Excel

① create chart or graph

i. Select data including column name

ii. Select chart type

iii. click chart sub type

② recommended chart

i. same as step above and choose any recommended chart

- Solving Nvram issue

Problem : Nvram cannot be read

far : 3 error

WEEKLY REFLECTIONS

DATE: 30/11/2023 - 3/12/2023

WEEK: 1

TO BE FILLED BY STUDENT

Weekly Tasks/Activities done by student (write in short)

- Learn cron (linux job scheduler) to setup task to run periodically at a fix date
- Learn some linux command and directory structure
- Learn types of workstation that industry current use

Knowledge/Skill gained (for the whole week)

- learn cron format and how to change date schedule into cron format in MIN HOUR DOM MON DAY CMD
- how to handle file/directory using linux command
- know types of workstation including the specs

Effects or impacts to student

Know how to schedule system task to be performed at a specific time. For example, schedule a database backup to run every day at 5pm.

- Know directory structure and what files in it
- Know the different between workstations such as name, OS, hostname and more

TO BE FILLED BY THE INDUSTRY (SUPERVISOR)

Comment/Suggestion from Supervisor

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WEEKLY REFLECTIONS

DATE: 3/10/2023 - 10/12/2023 WEEK: 2

TO BE FILLED BY STUDENT

Weekly Tasks/Activities done by student (write in short)

- Received email from HR to complete 5 courses
- Install and setup of VM Virtual Box and Redhat
- Learn Perl Programming (Basic)

Knowledge/Skill gained (for the whole week)

- know rules of the Industry
- Learn Basic Perl Programming Language with small project such as BMI calculator and more.
- Did exercise from slide about Perl Language

Effects or impacts to student

- By training from courses, it provide guidance to do and not to do and be more discipline
- Gain Perl programming language too

TO BE FILLED BY THE INDUSTRY (SUPERVISOR)

Comment/Suggestion from Supervisor



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WEEKLY REFLECTIONS

DATE: 13/12/2023 - 17/12/2023

WEEK: 3

TO BE FILLED BY STUDENT

Weekly Tasks/Activities done by student (write in short)

- Learn a framework called Flask and basic of it framework

Knowledge/Skill gained (for the whole week)

- Know ~~too~~ what is Flask , what is it use for and how to use it
- Start doing flask project called 'inventory system' with CRUD operation in it
- Know how to handle ~~es~~ Excel File to database using Flask

Effects or impacts to student

- Exposed with framework
- more crystal clear ~~why~~ the benefit of framework

TO BE FILLED BY THE INDUSTRY (SUPERVISOR)

Comment/Suggestion from Supervisor

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WEEKLY REFLECTIONS

DATE: 30/12/2023 - 24/12/2023WEEK: 4

TO BE FILLED BY STUDENT

Weekly Tasks/Activities done by student (write in short)

Flask Project

- database changes
- add a function where Excel file can be extract to database
- ~~- add a function where the web system can generate report in Excel format~~
- learn how to generate report in excel

Knowledge/Skill gained (for the whole week)

- how to handle excel file to database
- how to generate report in any format

Effects or impacts to student

- became familiar with the framework with and the programming language

TO BE FILLED BY THE INDUSTRY (SUPERVISOR)

Comment/Suggestion from Supervisor



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WEEKLY REFLECTIONS

DATE: 27/12/2023 - 31/12/2023 WEEK: 5

TO BE FILLED BY STUDENT

Weekly Tasks/Activities done by student (write in short)

- Two staff bring me to production and demonstrate on how to backup and restore hard disk
- Learn how to secure Flask Project by doing research

Knowledge/Skill gained (for the whole week)

- Face an error where the partition of hard disk cannot be read and can be solve by doing 'backup and restore'
- Flask Project can be more secure by changing http to https

Effects or impacts to student

- exposed to real work environment problem and how to handle it
- know the importance on how to secure website

TO BE FILLED BY THE INDUSTRY (SUPERVISOR)

Comment/Suggestion from Supervisor

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WEEKLY REFLECTIONS

DATE: 6/31/2023 - 10/31/2023 WEEK: 6

TO BE FILLED BY STUDENT

Weekly Tasks/Activities done by student (write in short)

- Solving technical issue with localhost database
- Flask Project
 - database and backend changes due to new request
 - add css and design to the websystem

Knowledge/Skill gained (for the whole week)

- gain solving skill
- add darkmode to the websystem by using javascript

Effects or impacts to student

- more confident after solving technical issue
-

TO BE FILLED BY THE INDUSTRY (SUPERVISOR)

Comment/Suggestion from Supervisor



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WEEKLY REFLECTIONS

DATE: 13/12/2023 - 17/12/2023

WEEK: 7

TO BE FILLED BY STUDENT

Weekly Tasks/Activities done by student (write in short)

- solving technical issue with visual Studio Code

Flask Project

- add login page
- learn appropriate way to logout before implement it

Knowledge/Skill gained (for the whole week)

- logout is important for a websystem. & I learn what is needed for logout to make sure the web system is safe

Effects or impacts to student

- becoming more careful in creating project. Some tutorial does not include security in it. Also Tutorial of coding is not enough and security is a must for a websystem

TO BE FILLED BY THE INDUSTRY (SUPERVISOR)

Comment/Suggestion from Supervisor

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WEEKLY REFLECTIONS

DATE: 10/3/2023 - 24/3/2023 WEEK: 8

TO BE FILLED BY STUDENT

Weekly Tasks/Activities done by student (write in short)

- implement logout with security to into Flask Project
- review Flask Project
- learn about Batch File (BAT)

Knowledge/Skill gained (for the whole week)

- use function such as @wraps, session.clear, after request and more to secure the websystem
- learn how to deploy batch file using Notepad or WordPad, add commands and run the script

Effects or impacts to student

- know basic of what batch file can do, how to write it.
Everyday task can be shorten with it.

TO BE FILLED BY THE INDUSTRY (SUPERVISOR)

Comment/Suggestion from Supervisor

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WEEKLY REFLECTIONS

DATE: 27/5/2023 - 31/5/2023

WEEK: 9

TO BE FILLED BY STUDENT

Weekly Tasks/Activities done by student (write in short)

- studying Perl on Basic Project (BMI calculator, Calculator, Password generator)

Flask Project :

- add search field
- add styling to when user generate report
- make a popup to display data

Knowledge/Skill gained (for the whole week)

- adding style to excel is different than adding style to html. All of styling need to be add in the function of generate report.
- know how to display data to popup using flask and javascript dep based on ID

Effects or impacts to student

- able to styling excel file by using Flask ~~in~~ way
- able to use javascript to display / view data correctly base on ID
- able to create basic project Perl Language

TO BE FILLED BY THE INDUSTRY (SUPERVISOR)

Comment/Suggestion from Supervisor

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WEEKLY REFLECTIONS

DATE: 3/19/2023 - 7/3/2023

WEEK: 10

TO BE FILLED BY STUDENT

Weekly Tasks/Activities done by student (write in short)

Flask Project :

- add cancel button (has function)
- improving on display popup data display

Perl language :

- learn standard includes
- learn copy and move file to new directory

Knowledge/Skill gained (for the whole week)

- learn to script that can copy and move files with file handling

Effects or impacts to student

- manage to do script (basic) perl language

TO BE FILLED BY THE INDUSTRY (SUPERVISOR)

Comment/Suggestion from Supervisor

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WEEKLY REFLECTIONS

DATE: 10/14/2023 - 14/9/2023

WEEK: 11

TO BE FILLED BY STUDENT

Weekly Tasks/Activities done by student (write in short)

Perl Scripting :

- check file with criteria that user want

Join
XAD1 Raya Contest

- learn debugging

Knowledge/Skill gained (for the whole week)

- with perl ^{user} we can check files on what any criteria such as if the file writable, executable, exist and more
- Gain new skill in using Adobe Illustrator
- learn appropriate way on debugging javascript using chrome debugger

Effects or impacts to student

- exposed to Adobe Illustrator with basic skills
- noticed the importance on debugging

TO BE FILLED BY THE INDUSTRY (SUPERVISOR)

Comment/Suggestion from Supervisor

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WEEKLY REFLECTIONS

DATE: 17/4/2023 - 21/4/2023 WEEK: 12

TO BE FILLED BY STUDENT

Weekly Tasks/Activities done by student (write in short)

Flask Project :

- Improving styling excel

Learn useful Command from Industry website

Knowledge/Skill gained (for the whole week)

- know how to remove file or directory with linux
- make directory with linux
- create file with linux

Effects or impacts to student

- Exposed to different^{more not} basic Linux commands

TO BE FILLED BY THE INDUSTRY (SUPERVISOR)

Comment/Suggestion from Supervisor

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WEEKLY REFLECTIONS

DATE: 29/4/2023 - 28/5/2023

WEEK: 13

TO BE FILLED BY STUDENT

Weekly Tasks/Activities done by student (write in short)

- learn to resolve RasPi not responding

Knowledge/Skill gained (for the whole week)

- trouble shoot the problem with network cable or USB scanner by plug out and plug it back
- other ways is manual configuration by backup then rebuild path and test ping host if it can ping

Effects or impacts to student

- manage Exposed to RasPi solving RasPi issue

TO BE FILLED BY THE INDUSTRY (SUPERVISOR)

Comment/Suggestion from Supervisor

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WEEKLY REFLECTIONS

DATE: 1/5/2023 - 5/5/2023

WEEK: 14

TO BE FILLED BY STUDENT

Weekly Tasks/Activities done by student (write in short)

- Demonstration on how to configure NVRAM

Flask Project :

- a request on tek increment and decrement
- log date and time
- user and admin login

Knowledge/Skill gained (for the whole week)

- learn some error/criteria during the configuration ^{three different}
- use javascript or for '+-' increment and decrement as requested
- learning logdatetime with user and admin proper way

Effects or impacts to student

- exposed with dif rare issue during configuration NVRAM
- manage to do the requested increment and decrement function to avoid human error.

TO BE FILLED BY THE INDUSTRY (SUPERVISOR)

Comment/Suggestion from Supervisor

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3. A copy of the approved leave application must be pasted on the Reflective Journal and a copy is sent to the Industrial Training & Liaison Unit (UPLI) immediately.

RECORD OF LEAVE APPLICATION

Notes: All leave application must be recorded in this table and verified by the supervisor

NOTIFICATION

1. This book is an official book prepared for the practical training students of Politeknik Kuching Sarawak.
2. If it is lost and found, kindly inform our Industrial Training & Liaison Officer, Politeknik Kuching Sarawak at the following number:

**Tel : 082-845596/7/8 ext. 583/586/587
Fax : 082-845587**

OR post it to:

**Director
Politeknik Kuching Sarawak
Km 22, Jalan Matang,
93050 Kuching,
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(Attn. : Industrial Training and Liaison Officer)**

OR

Return to the student by using the address in this book