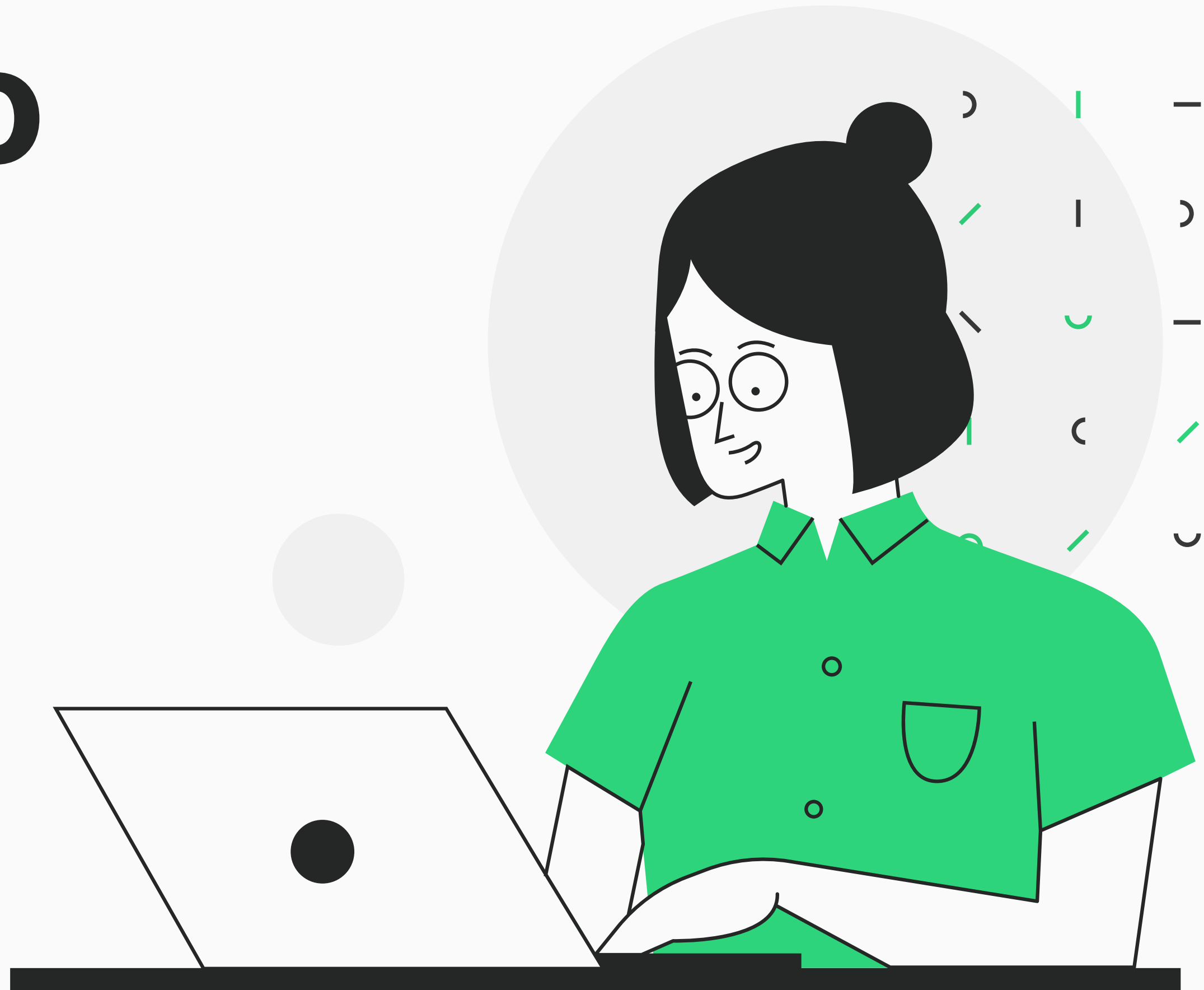# Portfolio

LIEW JIA ER

01

About me

EDUCATION

2nd-year student pursuing an IT Diploma at
Tunku Abdul Rahman University of
Management and Technology (TARUMT)

SKILL LEARNING DURING YEAR 1 - YEAR 2 SEMESTER 1

C Language
HTML
CSS
Java Script
MySQL
PHP
Java

02

Grade Record

Year 1 Semester 1:

Paper Type	Course	Course Description	Grade
202205			
Main	AACS1074	PROGRAMMING CONCEPTS AND DESIGN I	A
Main	AACS1473	INTRODUCTION TO INFORMATION TECHNOLOGY	A
Main	AACS1483	WEB DESIGN AND DEVELOPMENT	A
Main	AAMS1623	CALCULUS AND ALGEBRA	A
Main	AJEL1013	ENGLISH FOR TERTIARY STUDIES	B-
Main	MPU-2123	PENGHAYATAN ETIKA DAN PERADABAN	A

GPA : 3.8026
CGPA : 3.8026

Year 1 Semester 3:

Paper Type	Course	Course Description	Grade
202205			
Main	AACS1074	PROGRAMMING CONCEPTS AND DESIGN I	A
Main	AACS1473	INTRODUCTION TO INFORMATION TECHNOLOGY	A
Main	AACS1483	WEB DESIGN AND DEVELOPMENT	A
Main	AAMS1623	CALCULUS AND ALGEBRA	A
Main	AJEL1013	ENGLISH FOR TERTIARY STUDIES	B-
Main	MPU-2123	PENGHAYATAN ETIKA DAN PERADABAN	A

GPA : 3.8026
CGPA : 3.8026

Year 1 Semester 2:

Paper Type	Course	Course Description	Grade
202209			
Main	AACS1143	PRINCIPLES OF INFORMATION SYSTEMS	A
Main	AJEL1023	ACADEMIC ENGLISH	B
Main	AMIS1003	INTRODUCTION TO CYBERSECURITY	B+

GPA : 3.5000
CGPA : 3.7053

03

My Assignment (1)

04

Title: Design and build a console-based system using C language.

Date: March 2023 - April 2023 (Year 1 Semester 3)

Project Description: This system encompasses the main functions, which include recording information about customers, employees, and goods, as well as the automatic update of the quantity of goods.

My Task: Responsible in Stock Information Module:
- Have Add, Delete, Modify, Display, Search and View function in it.
- Design a clear format for all function to avoid misunderstanding.
- Store the stock information in TXT and connect it with C language.
- Connect with Sales module to let the system automatic update the quantity of goods.

Sample Code (Delete Stock Function)

```c
void deleteStockProduct()
{
    int found = 0, i = 0, x = 0, j = 0;
    StockDetails stock[MAX_SIZE];
    char delChoice, productCode[4];
    system("cls");

    //fpStockDel = file pointer Stock Delete
    FILE* fpStockDel;
    fpStockDel = fopen("Stock.txt", "r");

    if (fpStockDel == NULL)
    {
        printf("Unable open the file! Please try again.");
        exit(-1);
    }

    printf("\n\nDelete Stock Product: \n");
    printf("=============================\n\n");
    printf("Please enter the Product Code that you want to Delete!\n\n");
    printf("Product Code: ");
    rewind(stdin);
    scanf("%s", &productCode);

    while (!feof(fpStockDel))
    {
        fscanf(fpStockDel, "%[^|]|%[^|]|%[^|]|%[^|]|%d %d %d|%lf|%d\n", &stock[i].productName, &stock[i].productCode, &stock[i].category, &stock[i].productDescription, &stock[i].manufacturedDate.day, &stock[i].manufacturedDate.month, &stock[i].manufacturedDate.year, &stock[i].price, &stock[i].quantity);
        i++;
    }
    fclose(fpStockDel);

    for (x = 0; x < i; x++)
    {
        if (strcmp(stock[x].productCode, productCode) == 0)
        {
            found = 1;
            printf("\nProduct Name: %s\n", stock[x].productName);
            printf("Product Code: %s\n", stock[x].productCode);
            printf("Category: %s\n", stock[x].category);
            printf("Product Description: %s\n", stock[x].productDescription);
            printf("Manufactured Date (dd mm yyyy): %d %d %d\n", stock[x].manufacturedDate.day, stock[x].manufacturedDate.month, stock[x].manufacturedDate.year);
            printf("Product Price: RM%.2f\n", stock[x].price);
```

```c
        printf("Product Price: RM%.2f\n", stock[x].price);
        printf("Product Quantity In Stock: %d\n", stock[x].quantity);

        printf("\nAre you confirm to delete this product? (Y/N): ");
        rewind(stdin);
        scanf("%c", &delChoice);
        while (toupper(delChoice) != 'Y' && toupper(delChoice) != 'N')
        {
            printf("\nAre you confirm to delete this product? (Y/N): ");
            rewind(stdin);
            scanf("%c", &delChoice);
        }

        if (delChoice == 'y' || delChoice == 'Y')
        {
            system("cls");
            FILE* fpStockDel;
            fpStockDel = fopen("Stock.txt", "w");

            if (fpStockDel == NULL)
            {
                printf("Unable open the file! Please try again.");
                exit(-1);
            }

            for (j = 0; j < i; j++)
            {
                if (j != x)
                {
                    fprintf(fpStockDel, "%s|%s|%s|%s|%d %d %d|%.2f|%d\n", stock[j].productName, stock[j].productCode, stock[j].category, stock[j].productDescription, stock[j].manufacturedDate.day, stock[j].manufacturedDate.month, stock[j].manufacturedDate.year, stock[j].price, stock[j].quantity);
                }
            }
            system("pause");
            fclose(fpStockDel);
        }
    }
}
if (found == 0)
{
    printf("\n\nNot Match Product Code\n\nPlease check your code again.\n\n\n");
    system("pause");
    deleteStockProduct();
```

```c
    printf("\nDo you want to delete other products? (Y/N): ");
    rewind(stdin);
    scanf("%c", &delChoice);
    while (toupper(delChoice) != 'Y' && toupper(delChoice) != 'N')
    {
        printf("\nDo you want to delete other products? (Y/N): ");
        rewind(stdin);
        scanf("%c", &delChoice);
    }
    if (delChoice == 'y' || delChoice == 'Y')
    {
        system("cls");
        deleteStockProduct();
    }
}

}
```

Sample Output:

```
Delete Stock Product:
==============================

Please enter the Product Code that you want to Delete!

Product Code: S01

Product Name: Oreo
Product Code: S01
Category: Sncaks
Product Description: Vanilla Flavour
Manufactured Date (dd mm yyyy): 4 3 2023
Product Price: RM16.20
Product Quantity In Stock: 467

Are you confirm to delete this product? (Y/N): y_
```

To delete the product, user need to enter the product code. The system will show the details of the product and ask confirmation to delete the product

My Assignment (2)

Title: Create a database for your selected IS system.

Date: March 2023 - April 2023 (Year 1 Semester 3)

Project Description: Our database comprises 11 variables, then produce queries to extract meaningful information for decision making. Therefore, the company was able to make faster decisions, reduce risks, and improve efficiency, better meeting market demands.

My Task:
- Create sample records in the database for 11 variables.
- Create database tables in Oracle.
- Create three types of multi-table queries to extract useful meaningful information from the database.

Sample Queries(Annual Sales Of Products)

SQL Command Code:

```
set pagesize 297
set linesize 120
ALTER SESSION SET NLS_DATE_FORMAT = 'dd-MON-yyyy';

ACCEPT startDate DATE FORMAT 'dd-MON-yyyy' Prompt 'Enter the start date (dd-MON-yyyy): '
ACCEPT endDate DATE FORMAT 'dd-MON-yyyy' Prompt 'Enter the end date (dd-MON-yyyy): '

COLUMN Order_No FORMAT A8 HEADING "Order No";
COLUMN Order_Date FORMAT A12 HEADING "Order Date";
COLUMN Product_Id FORMAT A10 HEADING "Product ID";
COLUMN Product_Name FORMAT A42 HEADING "Product Name";
COLUMN Order_Quantity FORMAT 999 HEADING "Order Quantity";
COLUMN Product_Price FORMAT 9999.99 HEADING "Price of Each Product (RM)";
COLUMN "Total Cost" HEADING "Subtotal (RM)" FORMAT 99999.99;

TTITLE CENTER 'Annual Sales Of Products from ' &startDate ' to ' &endDate''

CREATE VIEW ANNUAL_SALES as
SELECT  O.Order_No,  O.Order_Date,  P.Product_Name,  OD.Order_Quantity,  P.Product_Price,
(OD.Order_Quantity * P.Product_Price) AS "Total Cost"
FROM Orders O
JOIN Orders_Details OD
ON O.Order_No = OD.Order_No
JOIN Products P
ON OD.Product_Id = P.Product_Id
WHERE O.Order_Date BETWEEN '&startDate' AND '&endDate'
ORDER BY OD.Order_Quantity DESC;

CLEAR COLUMN
TTITLE OFF
```

Sample Output

```
SQL> @F:\JiaEr_Query1.txt

Session altered.

Enter the start date (dd-MON-yyyy): 01-JAN-2020
Enter the end date (dd-MON-yyyy): 31-DEC-2020
old    7: WHERE O.Order_Date BETWEEN '&startDate' AND '&endDate'
new    7: WHERE O.Order_Date BETWEEN '01-JAN-2020' AND '31-DEC-2020'

                       Annual Sales Of Products from 01-JAN-2020 to 31-DEC-2020
Order No Order Date  Product Name                        Order Quantity Price of Each Product (RM) Subtotal (RM)
-------- ----------- --------------------------------    -------------- -------------------------- -------------
O-098    08-OCT-2020 Adjustable Modern Barstool                      15                     401.06       6015.90
O-049    20-NOV-2020 Mesh Mediumback Office Chair                    15                     737.46      11061.90
O-004    31-OCT-2020 Document Safe Box                               15                    1838.17      27572.55
O-022    25-OCT-2020 Amenable Rectangular Workspace                  15                     561.49       8422.35
O-024    28-NOV-2020 Cafe Low Round Table                           14                     169.65       2375.10
O-098    08-OCT-2020 Affable Rectangular Table                      14                     497.47       6964.58
O-014    06-JUN-2020 Cafe High Round Table                          14                     243.02       3402.28
O-100    26-FEB-2020 Low Back Mesh Chair                            14                     207.61       2906.54
O-014    06-JUN-2020 Attractive Mesh Mediumback Office Chair        14                     876.55      12271.70
O-098    08-OCT-2020 Rosalina Coffee Table                          13                     252.34       3280.42
O-099    25-APR-2020 Zebra Blind                                    13                      15.30        198.90
O-014    06-JUN-2020 Pantry Chair with Padding                      13                     681.89       8864.57
O-022    25-OCT-2020 RFID Card Door Access                          13                     950.61      12357.93
O-020    30-MAR-2020 Black Pantry Chair                             13                     190.71       2479.23
O-005    28-NOV-2020 Seminar folding chair                          13                     222.33       2890.29
O-016    22-APR-2020 Metal Chair                                    12                     167.46       2009.52
O-016    22-APR-2020 Black Pantry Chair                             12                     190.71       2288.52
O-049    20-NOV-2020 Office Typist Chair                            12                     115.76       1389.12
O-037    02-MAY-2020 Black Pantry Chair                             11                     190.71       2097.81
O-020    30-MAR-2020 Compartment Steel Locker                       11                     866.06       9526.66
O-068    13-JUN-2020 Black Shoe Storage Cabinet                     11                     825.25       9077.75
O-046    27-OCT-2020 Chrome Mesh Office Chair                       10                     369.29       3692.90
O-018    31-JAN-2020 Modern Writing Table                           10                     337.11       3371.10
O-017    29-APR-2020 Digital Lock Pedestal Drawer                   10                     360.49       3604.90
O-090    19-AUG-2020 Cafe Table Set-02                               9                    1096.77       9870.93
O-022    25-OCT-2020 Seminar folding chair                           9                     222.33       2000.97
O-068    13-JUN-2020 Angelo Highback Office Chair                    9                     697.26       6275.34
O-024    28-NOV-2020 Cafe Chair                                      9                     199.96       1799.64
O-099    25-APR-2020 High Cabinet Open Shelf                         9                     710.54       6394.86
O-016    22-APR-2020 Low Back Mesh Chair                             8                     207.61       1660.88
O-053    30-JUN-2020 Sliding Glass Notice Board                      8                     362.00       2896.00
O-014    06-JUN-2020 Conference Chair                                8                     936.38       7491.04
```
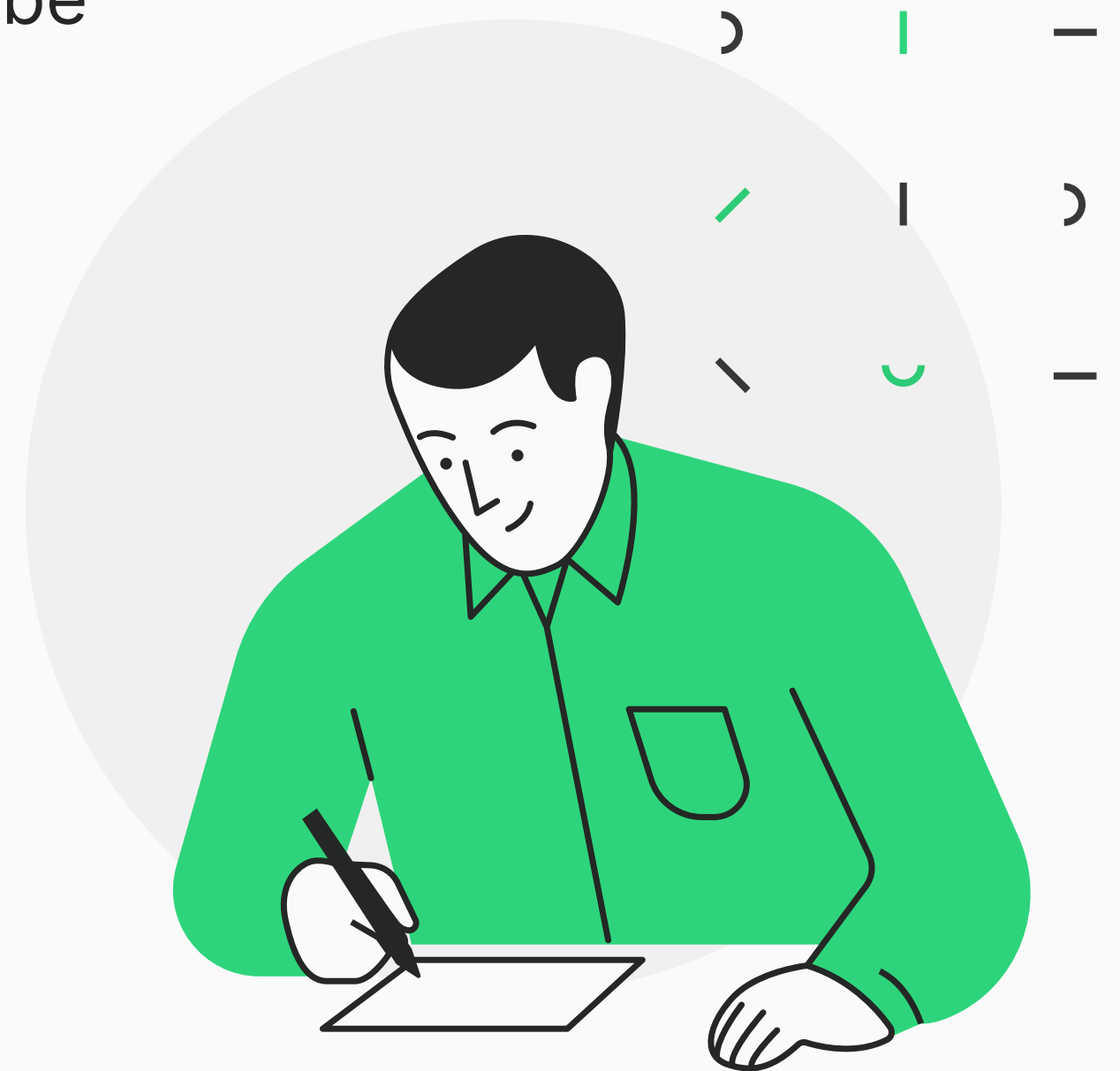
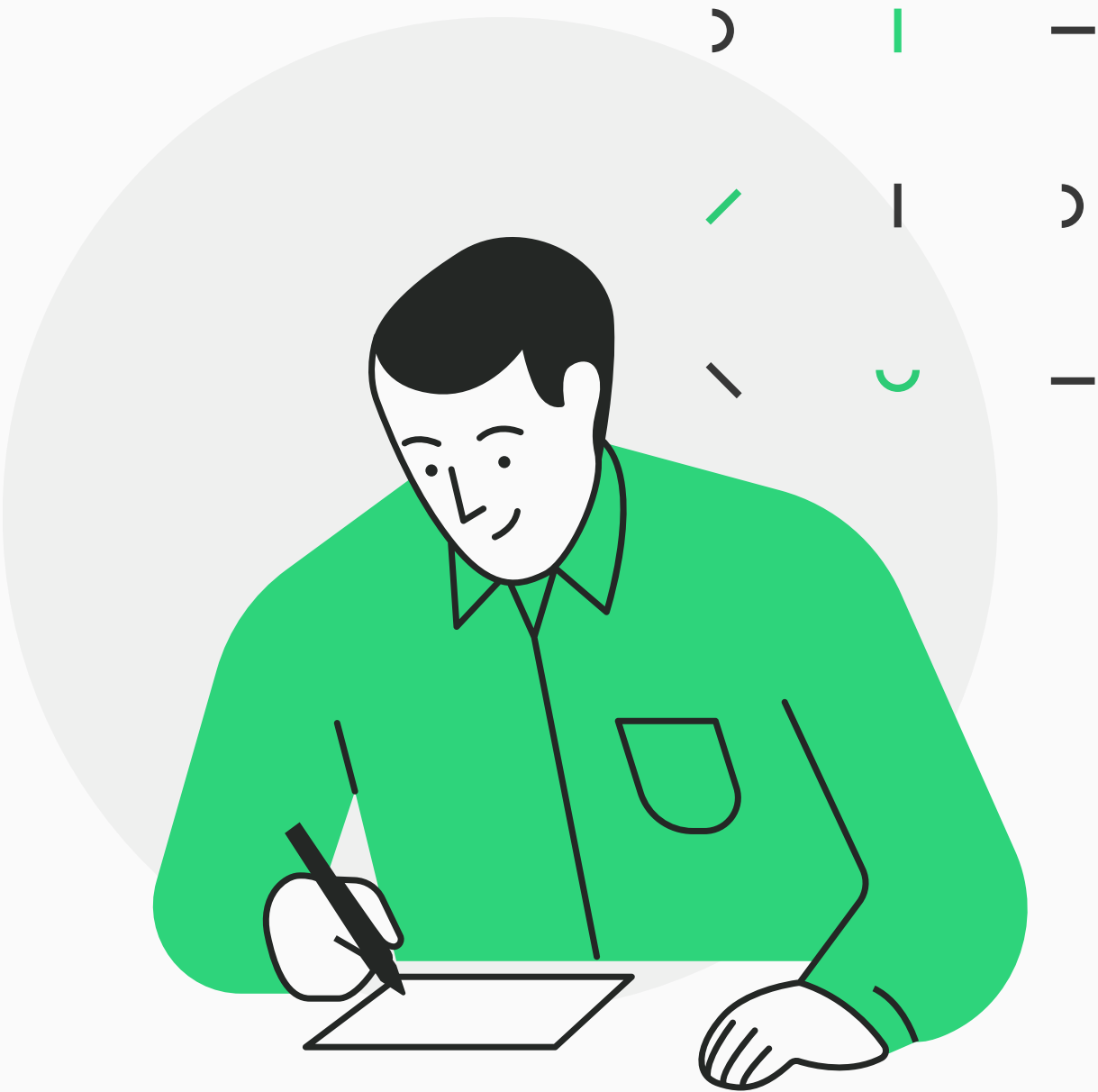| O-018	31-JAN-2020	Magnetic White Board	8	151.15	1209.20
O-090	19-AUG-2020	Metal Magazine Rack	8	383.95	3071.60
O-098	08-OCT-2020	CCTV Channel Package	8	1740.00	13920.00
O-053	30-JUN-2020	Boat Shape Conference Table	7	906.17	6343.19
O-037	02-MAY-2020	Wooden Rostrum	7	1164.20	8149.40
O-100	26-FEB-2020	T-Shaped Workstation Table	7	1786.43	12505.01
O-016	22-APR-2020	Amenable Rectangular Workspace	6	561.49	3368.94
O-090	19-AUG-2020	Pantry Chair with Padding	6	681.89	4091.34
O-016	22-APR-2020	Director CEO Table	6	1194.59	7167.54
O-008	06-DEC-2020	Tempered Glass Writing Board	6	1143.26	6859.56
O-053	30-JUN-2020	Fashion Visitor Chair	5	172.44	862.20
O-053	30-JUN-2020	Rectangular Conference Table	5	1314.66	6573.30
O-008	06-DEC-2020	Magnetic Green Board	4	176.31	705.24
O-044	13-OCT-2020	Notice Foam Board	4	120.30	481.20
O-098	08-OCT-2020	Angelo Visitor Chair	4	453.04	1812.16
O-008	06-DEC-2020	Modern Writing Table	3	337.11	1011.33
O-044	13-OCT-2020	Office Training Desk	3	1607.88	4823.64
O-018	31-JAN-2020	Classic Relaxed Bar Stool	3	472.95	1418.85
O-046	27-OCT-2020	CCTV Channel Package	3	1740.00	5220.00
O-053	30-JUN-2020	Affable Quality Link Chair	3	850.72	2552.16
O-100	26-FEB-2020	Low Back Chair	2	907.57	1815.14
O-068	13-JUN-2020	ALTUM Visitor Chair	2	549.16	1098.32
O-099	25-APR-2020	Magazine Brochure Rack	2	364.69	729.38
O-008	06-DEC-2020	Pantry Chair with Padding	2	681.89	1363.78
O-005	28-NOV-2020	Mesh Lowback Office Chair	1	605.42	605.42
O-099	25-APR-2020	Metal Chair	1	167.46	167.46
O-017	29-APR-2020	Mesh Mediumback Office Chair	1	737.46	737.46

59 rows selected.

f)(i) What can you contribute to the organisation in 12 weeks.

"I can bring flexibility and adaptability to the organization. Regardless of the specific project I'm assigned to, I will be dedicated to understanding the project's needs and goals and providing support accordingly. My skills and commitment will be utilized to assist the project team in achieving success."
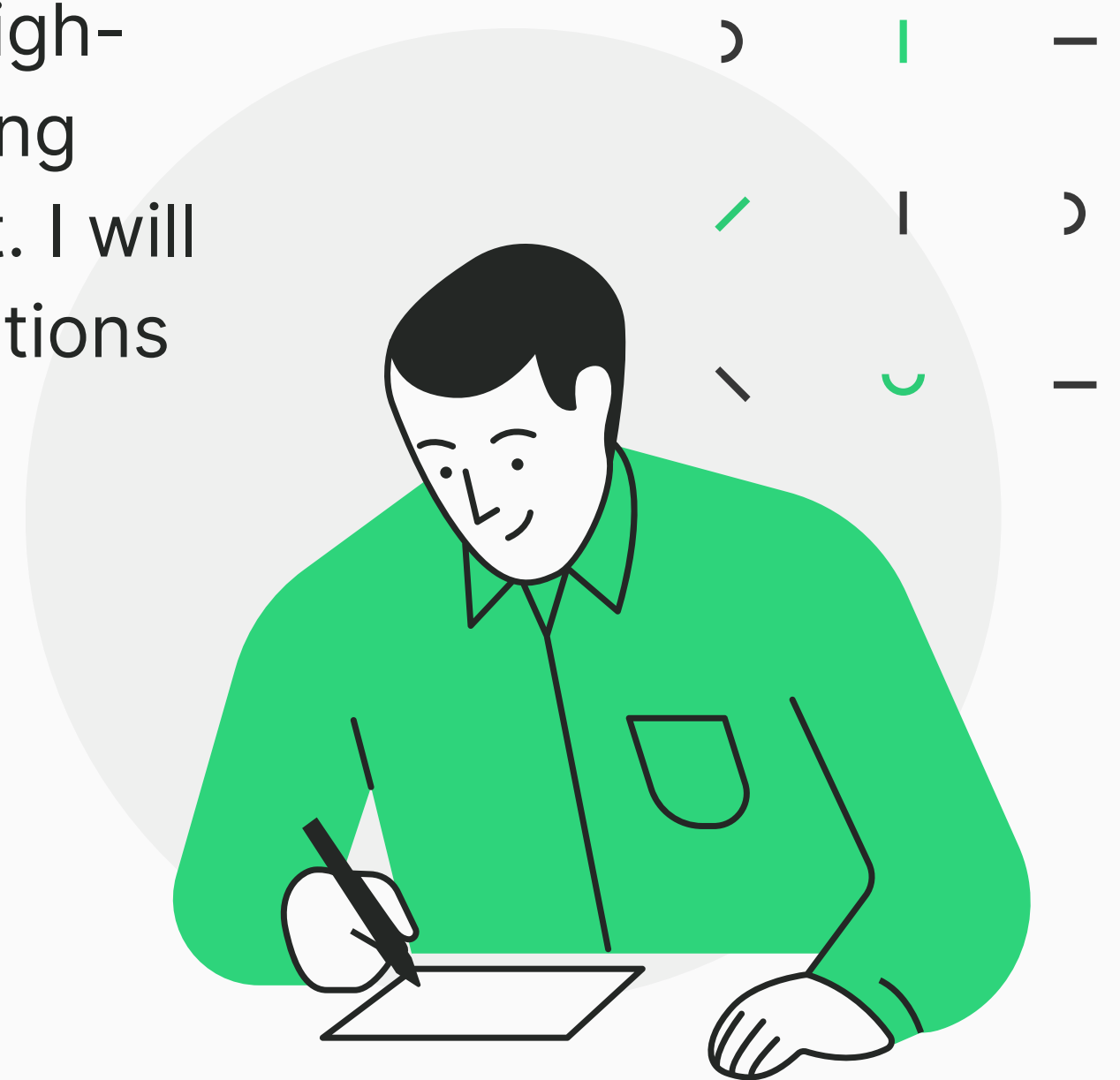
f)(ii) Please prepare details proposal how can you contribute to the organisation in 12 weeks.

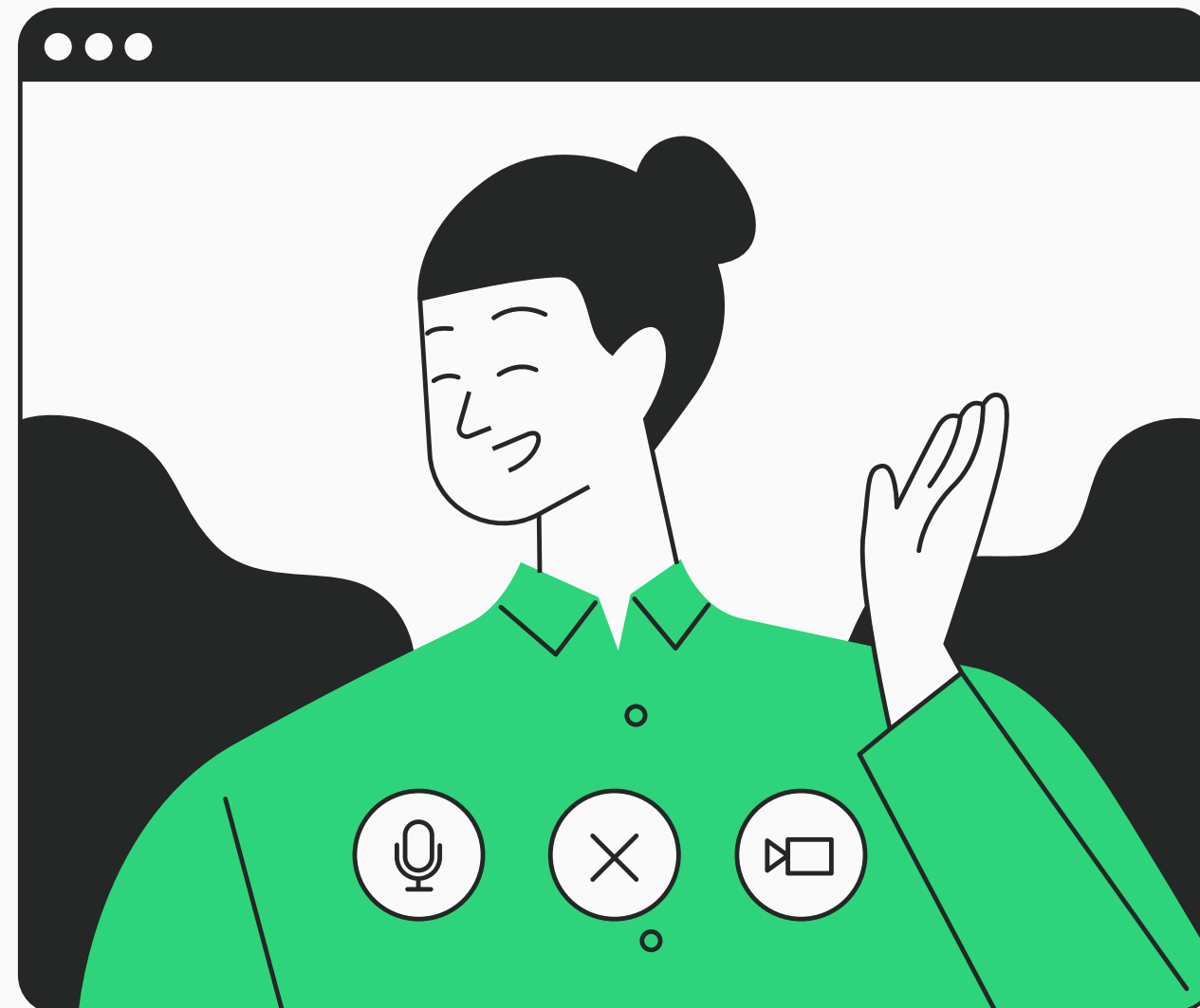| Week	Contribution during weeks
1-2	**Project Initiation and Understanding** • Meet with project teams and stakeholders to gain a deep understanding of the objectives and requirements for different projects. • Analyze and comprehend the unique challenges and opportunities presented by each project.
3-4	**Definition and Design** • Begin creating detailed project plans for various projects based on their nature and requirements. • Develop project objectives and key performance indicators.
5-8	**Development and Implementation** • Develop the tools, content, and resources required for each project. • Implement the projects according to their specific requirements.
9-10	**Testing and Improvement** • Conduct testing and quality assurance to ensure accuracy and effectiveness. • Gather feedback and make improvements.
11-12	**Evaluation and Delivery** • Evaluate the outcomes of each project and prepare for the final deliverables. • Deliver high-quality results to meet the organization's expectations.

f)(iii) How many (quantity) that you can contribute to the organisation in 12 weeks as what you have proposed in f(i)

"The specific quantity of contributions will vary based on the project's needs, but my commitment is to make meaningful contributions within the 12-week timeframe. I aim to deliver high-quality results, which may involve completing tasks, formulating strategies, or delivering outcomes as needed for each project. I will work closely with the project team to ensure that my contributions align with project requirements and the organization's expectations."

Contact me

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NAME

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THANK YOU