

## Project 1

Project 1: Design and Implementation of a System

10/10/2023  
10/10/2023  
10/10/2023

The project involves the design and implementation of a system that will be used to manage the operations of a company. The system will be used to track the progress of projects, manage resources, and generate reports. The system will be developed using a combination of Java and JavaScript. The system will be developed using a combination of Java and JavaScript. The system will be developed using a combination of Java and JavaScript.

### Project Objectives

The project objectives are to:

- Design and implement a system that will be used to manage the operations of a company.

### Features

- Track the progress of projects
- Manage resources
- Generate reports
- Track the progress of projects
- Manage resources
- Generate reports
- Track the progress of projects
- Manage resources
- Generate reports

### System Requirements

- Java 8 or later
- JavaScript 5 or later
- MySQL 5.6 or later
- Apache 2.4 or later



Figure 1: System Architecture

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## Technical Specification

1. **Introduction**

2. **Scope**

3. **References**

4. **Definitions**

5. **Requirements**

6. **Test Procedures**

7. **Acceptance Criteria**

8. **Appendix A**

9. **Appendix B**

10. **Appendix C**

11. **Appendix D**

12. **Appendix E**

13. **Appendix F**

14. **Appendix G**

15. **Appendix H**

16. **Appendix I**

17. **Appendix J**

QUESTION 1

Year	2018	2019	2020	2021	2022	2023
Revenue	100	110	120	130	140	150
Expenses	80	85	90	95	100	105
Profit	20	25	30	35	40	45

QUESTION 2

QUESTION 3

QUESTION 4

QUESTION 5

QUESTION 6



No.	Name	Age	Sex	Religion	Remarks
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89	...	...	...	...	...
90	...	...	...	...	...
91	...	...	...	...	...
92	...	...	...	...	...
93	...	...	...	...	...
94	...	...	...	...	...
95	...	...	...	...	...
96	...	...	...	...	...
97	...	...	...	...	...
98	...	...	...	...	...
99	...	...	...	...	...
100	...	...	...	...	...

Date	Description	Debit	Credit	Balance	Notes
	Opening Balance			100.00	
1/1/2024	Sales	50.00	150.00	150.00	
1/2/2024	Sales	25.00	175.00	175.00	
1/3/2024	Sales	25.00	200.00	200.00	
1/4/2024	Sales	25.00	225.00	225.00	
1/5/2024	Sales	25.00	250.00	250.00	
1/6/2024	Sales	25.00	275.00	275.00	
1/7/2024	Sales	25.00	300.00	300.00	
1/8/2024	Sales	25.00	325.00	325.00	
1/9/2024	Sales	25.00	350.00	350.00	
1/10/2024	Sales	25.00	375.00	375.00	
1/11/2024	Sales	25.00	400.00	400.00	
1/12/2024	Sales	25.00	425.00	425.00	
1/13/2024	Sales	25.00	450.00	450.00	
1/14/2024	Sales	25.00	475.00	475.00	
1/15/2024	Sales	25.00	500.00	500.00	
1/16/2024	Sales	25.00	525.00	525.00	
1/17/2024	Sales	25.00	550.00	550.00	
1/18/2024	Sales	25.00	575.00	575.00	
1/19/2024	Sales	25.00	600.00	600.00	
1/20/2024	Sales	25.00	625.00	625.00	
1/21/2024	Sales	25.00	650.00	650.00	
1/22/2024	Sales	25.00	675.00	675.00	
1/23/2024	Sales	25.00	700.00	700.00	
1/24/2024	Sales	25.00	725.00	725.00	
1/25/2024	Sales	25.00	750.00	750.00	
1/26/2024	Sales	25.00	775.00	775.00	
1/27/2024	Sales	25.00	800.00	800.00	
1/28/2024	Sales	25.00	825.00	825.00	
1/29/2024	Sales	25.00	850.00	850.00	
1/30/2024	Sales	25.00	875.00	875.00	
1/31/2024	Sales	25.00	900.00	900.00	

This document is a summary of the financial data for the period of 1/1/2024 to 1/31/2024. It is intended for informational purposes only and should not be used for legal or financial advice. All figures are in US Dollars. The data is subject to audit and may vary slightly from the actual records.

### QUESTION 1 (10 Marks)

Year	Revenue	Cost of Sales	Operating Expenses	Operating Profit
2019	1000	500	200	300
2020	1200	600	250	350
2021	1500	750	300	450
2022	1800	900	350	550
2023	2000	1000	400	600

### QUESTION 2 (10 Marks)

Year	Revenue	Cost of Sales	Operating Expenses	Operating Profit
2019	1000	500	200	300
2020	1200	600	250	350
2021	1500	750	300	450
2022	1800	900	350	550
2023	2000	1000	400	600

### QUESTION 3 (10 Marks)

Year	Revenue	Cost of Sales	Operating Expenses	Operating Profit
2019	1000	500	200	300
2020	1200	600	250	350
2021	1500	750	300	450
2022	1800	900	350	550
2023	2000	1000	400	600

### QUESTION 4 (10 Marks)

Year	Revenue	Cost of Sales	Operating Expenses	Operating Profit
2019	1000	500	200	300
2020	1200	600	250	350
2021	1500	750	300	450
2022	1800	900	350	550
2023	2000	1000	400	600





Figure 1: Number of people in the workforce

Year	Number of people in the workforce (millions)
1990	60
1995	70
2000	68
2005	75
2010	85

Figure 2: Number of people in the workforce





Item	Quantity	Unit	Price	Total
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...

Item	Quantity	Unit	Price	Total
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...



**Notes:**

1. All dimensions are in millimeters unless otherwise specified.

2. Material: Steel (AISI 304).

3. Surface finish: Ra 0.8.

4. Tolerances: ±0.1 mm for all dimensions.

5. Assembly: Tighten all bolts to a torque of 10 Nm.

6. The drawing is a technical drawing and should be used as a reference for manufacturing.

7. The drawing is a technical drawing and should be used as a reference for manufacturing.

8. The drawing is a technical drawing and should be used as a reference for manufacturing.

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16. The drawing is a technical drawing and should be used as a reference for manufacturing.

## 1. Introduction

The purpose of this document is to provide a comprehensive overview of the project's objectives, scope, and key findings. This document is intended for the project team and stakeholders.

## 2. Project Objectives

The primary objectives of the project are to:

### 2.1. Objectives

The project aims to achieve the following objectives:

### 2.2. Objectives

The project aims to achieve the following objectives:

### 2.3. Objectives

The project aims to achieve the following objectives:

### 2.4. Objectives

The project aims to achieve the following objectives:

### 2.5. Objectives

The project aims to achieve the following objectives:

### 2.6. Objectives

The project aims to achieve the following objectives:

## 3. Methodology

The methodology used in this project is based on the following principles:

## 4. Results and Discussion

The results of the project are as follows:

### 4.1. Results

The results of the project are as follows:

The results of the project are as follows:

### 4.2. Results

### 4.3. Results

### 4.4. Results

### 4.5. Results

### 4.6. Results

### 4.7. Results

### 4.8. Results

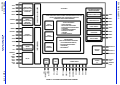
### 4.9. Results

### 4.10. Results

## 5. Conclusion

The project has successfully achieved its objectives and is now ready for implementation.

The project has successfully achieved its objectives and is now ready for implementation.



1. The first step in the process of identifying a problem is to define the problem. This involves identifying the symptoms and the underlying causes of the problem.

- Identify the symptoms of the problem.
- Determine the underlying causes of the problem.
- Gather information about the problem.
- Analyze the information to identify the root cause of the problem.
- Develop a plan to address the problem.
- Implement the plan.
- Monitor the results of the plan.
- Evaluate the effectiveness of the plan.

2. The second step in the process of identifying a problem is to gather information. This involves collecting data and facts about the problem.

3. The third step in the process of identifying a problem is to analyze the information.

4. The fourth step in the process of identifying a problem is to develop a plan.

5. The fifth step in the process of identifying a problem is to implement the plan.

6. The sixth step in the process of identifying a problem is to monitor the results of the plan.

7. The seventh step in the process of identifying a problem is to evaluate the effectiveness of the plan.

8. The eighth step in the process of identifying a problem is to adjust the plan as needed.

9. The ninth step in the process of identifying a problem is to document the results of the process.

10. The tenth step in the process of identifying a problem is to communicate the results of the process to the relevant stakeholders.

11. The eleventh step in the process of identifying a problem is to review the process and make improvements as needed.

12. The twelfth step in the process of identifying a problem is to ensure that the problem is resolved and that the system is back to normal.

13. The thirteenth step in the process of identifying a problem is to prevent the problem from recurring.



Figure 1: Schematic diagram of the process flow.



**QUESTION**

1. The following table shows the results of a survey of 100 people. The table is divided into four quadrants based on gender and age group.

- Male, 18-30
- Male, 31-45
- Female, 18-30
- Female, 31-45

2. The following table shows the results of a survey of 100 people. The table is divided into four quadrants based on gender and age group.

Age Group	Male	Female	Total
18-30	25	15	40
31-45	30	30	60
Total	55	45	100

3. The following table shows the results of a survey of 100 people. The table is divided into four quadrants based on gender and age group.

4. The following table shows the results of a survey of 100 people. The table is divided into four quadrants based on gender and age group.

Age Group	Male	Female	Total
18-30	35	15	50
31-45	25	25	50
Total	60	40	100

5. The following table shows the results of a survey of 100 people. The table is divided into four quadrants based on gender and age group.

6. The following table shows the results of a survey of 100 people. The table is divided into four quadrants based on gender and age group.

7. The following table shows the results of a survey of 100 people. The table is divided into four quadrants based on gender and age group.

8. The following table shows the results of a survey of 100 people. The table is divided into four quadrants based on gender and age group.

Item	Description	Quantity	Unit	Material	Material	Material	Material	Material	Material
1	Item 1	1	Unit	Material 1	Material 2	Material 3	Material 4	Material 5	Material 6
2	Item 2	1	Unit	Material 1	Material 2	Material 3	Material 4	Material 5	Material 6
3	Item 3	1	Unit	Material 1	Material 2	Material 3	Material 4	Material 5	Material 6
4	Item 4	1	Unit	Material 1	Material 2	Material 3	Material 4	Material 5	Material 6



**Table 1: Summary of Key Findings**

Category	Sub-category	Description
Financial Performance	Revenue Growth	Increased by 15% over the last quarter.
	Profit Margin	Improved from 20% to 25%.
Operational Efficiency	Cost Reduction	Achieved through process optimization.
	Customer Satisfaction	Score increased from 8.5 to 9.0.

**Conclusion**

The data indicates a strong upward trend in both financial and operational metrics, suggesting effective management strategies.

**Recommendations for Future Growth**

Continued investment in R&D and marketing is advised to maintain competitive advantage and drive further revenue growth.

**Multiple Choice Question**

100/100

Question 10 of 10

100/100



- a
- b
- c
- d

## QUESTION

- 1. The following table shows the number of people who attended a concert in each of the years 2000 to 2005.
- 2. The number of people who attended the concert in 2000 was 1200.
- 3. The number of people who attended the concert in 2001 was 1500.
- 4. The number of people who attended the concert in 2002 was 1800.
- 5. The number of people who attended the concert in 2003 was 2100.
- 6. The number of people who attended the concert in 2004 was 2400.
- 7. The number of people who attended the concert in 2005 was 2700.
- 8. The number of people who attended the concert in 2006 was 3000.
- 9. The number of people who attended the concert in 2007 was 3300.
- 10. The number of people who attended the concert in 2008 was 3600.
- 11. The number of people who attended the concert in 2009 was 3900.
- 12. The number of people who attended the concert in 2010 was 4200.
- 13. The number of people who attended the concert in 2011 was 4500.
- 14. The number of people who attended the concert in 2012 was 4800.
- 15. The number of people who attended the concert in 2013 was 5100.
- 16. The number of people who attended the concert in 2014 was 5400.
- 17. The number of people who attended the concert in 2015 was 5700.
- 18. The number of people who attended the concert in 2016 was 6000.
- 19. The number of people who attended the concert in 2017 was 6300.
- 20. The number of people who attended the concert in 2018 was 6600.
- 21. The number of people who attended the concert in 2019 was 6900.
- 22. The number of people who attended the concert in 2020 was 7200.
- 23. The number of people who attended the concert in 2021 was 7500.
- 24. The number of people who attended the concert in 2022 was 7800.
- 25. The number of people who attended the concert in 2023 was 8100.
- 26. The number of people who attended the concert in 2024 was 8400.
- 27. The number of people who attended the concert in 2025 was 8700.
- 28. The number of people who attended the concert in 2026 was 9000.
- 29. The number of people who attended the concert in 2027 was 9300.
- 30. The number of people who attended the concert in 2028 was 9600.
- 31. The number of people who attended the concert in 2029 was 9900.
- 32. The number of people who attended the concert in 2030 was 10200.

## ANSWER

- 1. 1200
- 2. 1500
- 3. 1800
- 4. 2100
- 5. 2400
- 6. 2700
- 7. 3000
- 8. 3300
- 9. 3600
- 10. 3900
- 11. 4200
- 12. 4500
- 13. 4800
- 14. 5100
- 15. 5400
- 16. 5700
- 17. 6000
- 18. 6300
- 19. 6600
- 20. 6900
- 21. 7200
- 22. 7500
- 23. 7800
- 24. 8100
- 25. 8400
- 26. 8700
- 27. 9000
- 28. 9300
- 29. 9600
- 30. 9900
- 31. 10200

## QUESTION

- 1. The number of people who attended the concert in 2000 was 1200.
- 2. The number of people who attended the concert in 2001 was 1500.

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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