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# **Chapter 1 Introduction**

## **1.1 Background**

This project helps the costumer to know all the available vehicles that can be reserved for any formal or informal uses. It keeps the record of every available vehicles according to the category and their reservation cost. It also keeps the record of costumers and does appropriate billing after the successful transaction. In this project, vehicles can be added, listed, modified and deleted. The concept for this project came up by the buildup ideas, references from friend, internets and from seniors.

## **1.2 Significance**

* It helps to keep the proper record on vehicle reservation made and does appropriate billing to customer satisfaction.
* It can easily be handled by the person who has elementary knowledge.

## **1.3 Objectives**

* This project allows costumer to rent any low-end vehicles like cycles and mini automobiles to high-end vehicles like luxury cars and off-road vehicles for temporary use.

## **1.4 Organization of project**

|  |  |
| --- | --- |
| **Chapters** | **Heading** |
| Chapter 1 | Introduction |
| Chapter 2 | Project Specification |
| Chapter 3 | Software design and development |
| Chapter 4 | Testing |
| Chapter 5 | Conclusion |

# 

# **Chapter 2 Project Specification**

## **2.1 Functional Requirements:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. N.** | **Function Name** | **Description** | **Reflection** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |

## **2.2 Team Structure:**

|  |  |  |
| --- | --- | --- |
| **Members Name** | **Symbol Number** | **Task Performed** |
| Suyog Adhikari | 314778 | Designing, Coding and Documentation |
| Safal Koirala | 314769 | Designing, Coding and Documentation |
| Nishant Ghimire | 314760 | Designing, Coding and Documentation |

## **2.3 Implementation Plan:**

### **2.3.1 Library functions:**

|  |  |  |
| --- | --- | --- |
| **S.N.** | **Name of Library function** | **Description** |
| 1. | stdio.h | To input output functions like printf, scanf, etc. |
| 2. | stdlib.h | To allocate and free memory |
| 3. | conio.h | Console input output which includes built in function |
| 4. | dos.h | Functions for handling interrupts, producing sound, date and time function etc. |
| 5. | string.h | For string operations |
| 6. | process.h | For exit and time delays. |

### 

### **2.3.2 User defined functions:**

|  |  |  |
| --- | --- | --- |
| **S.N.** | **Name of User-defined function** | **Description** |
| 1. | In progress |  |
| 2. |  |  |
| 3. |  |  |
| 4. |  |  |

## **2.4 Data structure:**

|  |  |
| --- | --- |
| **Structure Name** | **Data Types** |
| Customer | int, char |

## **2.5 File Structure:**

Adding, listing, searching, modifying and deleting the record of an employee is included in "empp.dat" file.

# **Chapter 3 Software Design and Development**

## 3.1 Tools and Technologies

Turbo C: Compiled

## 3.4 Gantt Chart

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.N. | Tasks | Duration | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1. | Concept Submission | 1 week |  |  |  |  |  |  |  |  |
| 2. | Requirement Gathering | 2 weeks |  |  |  |  |  |  |  |  |
| 3. | Research and Analysis | 2 weeks |  |  |  |  |  |  |  |  |
| 4. | System Design | 2 weeks |  |  |  |  |  |  |  |  |
| 5. | Coding | 4 weeks |  |  |  |  |  |  |  |  |
| 6. | Debugging and Testing | 1 week |  |  |  |  |  |  |  |  |
| 7. | Documentation | 3 weeks |  |  |  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| Task Completed |  | Total Time: 15 weeks |
| Tasks Remaining |  |  |