

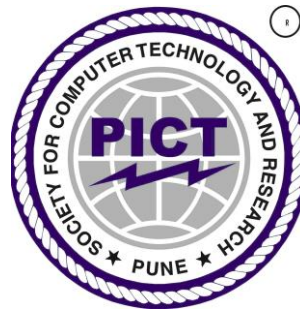
A
SYNOPSIS ON

“Car Accessories System”

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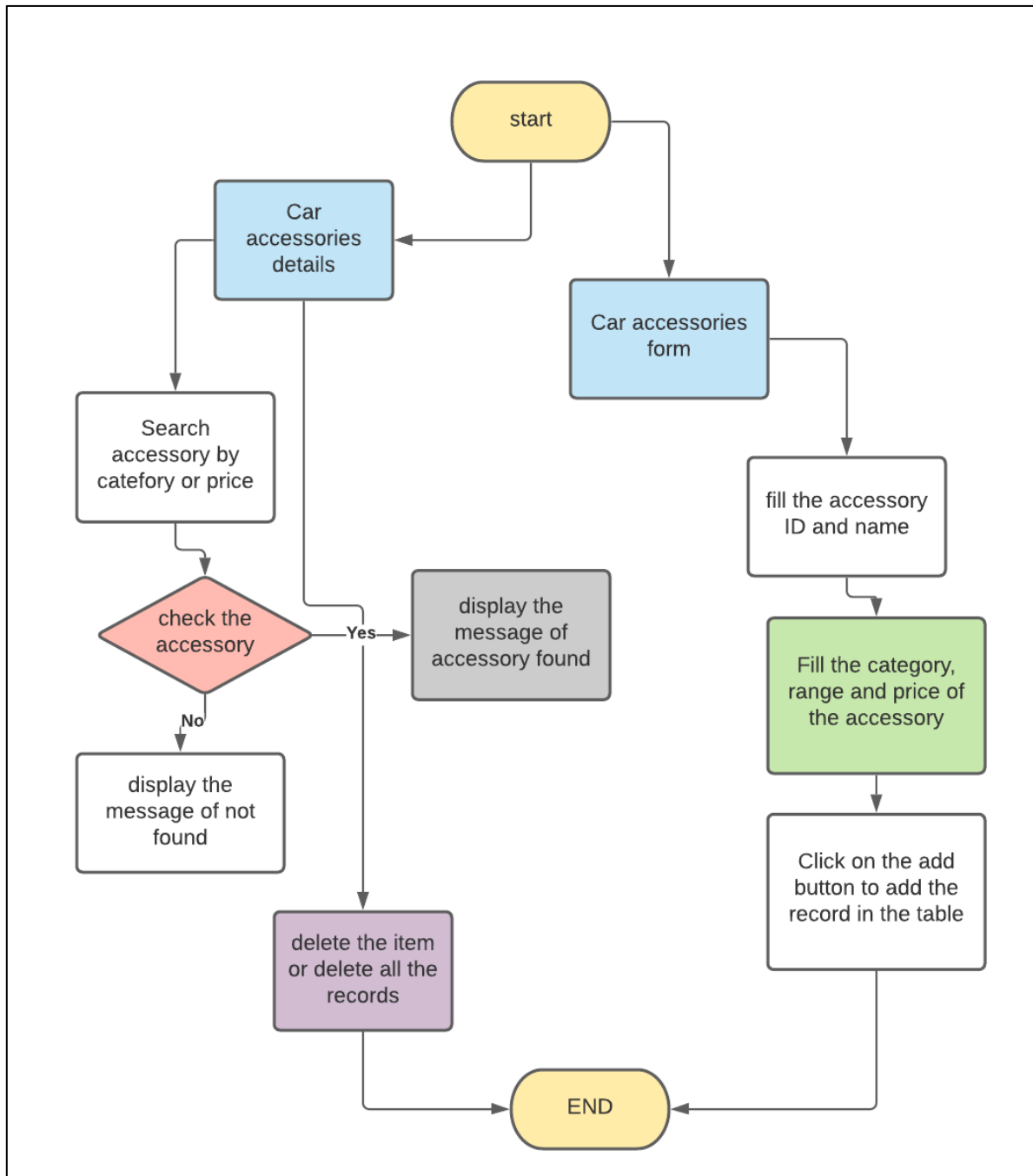
AIM/ OBJECTIVE:

1. The “Car Accessories System” has been developed to override the problems prevailing in the practicing manual system.
2. This system is used to search the accessory using by category or price.
3. Moreover this system is designed for the particular need to see the details of car accessories in smooth and effective manner.
4. This system is reduced as much as possible to avoid error while entering the data to add new car accessory.
5. No formal knowledge is needed for the user to use this system.
6. Car accessories system, as described above can lead to error free, secure and user friendly.

INTRODUCTION:

The purpose of the car accessories system is to automate the exiting manual system by the help of java swing and NetBeans. Every organization, whether big or small has challenges to overcome and managing the information of accessories for all the cars in their company, thus this is the system to store the car accessories details along with their price, name, etc. System will ultimately allow you to better manage resources. It can assist the user to concentrate on their activities rather to concentrate on the record keeping. This system can help to maintain the computerized records without redundant entries. That means one need not be distracted by the information that is not relevant, while searching the car accessories.

BLOCK DIAGRAM:

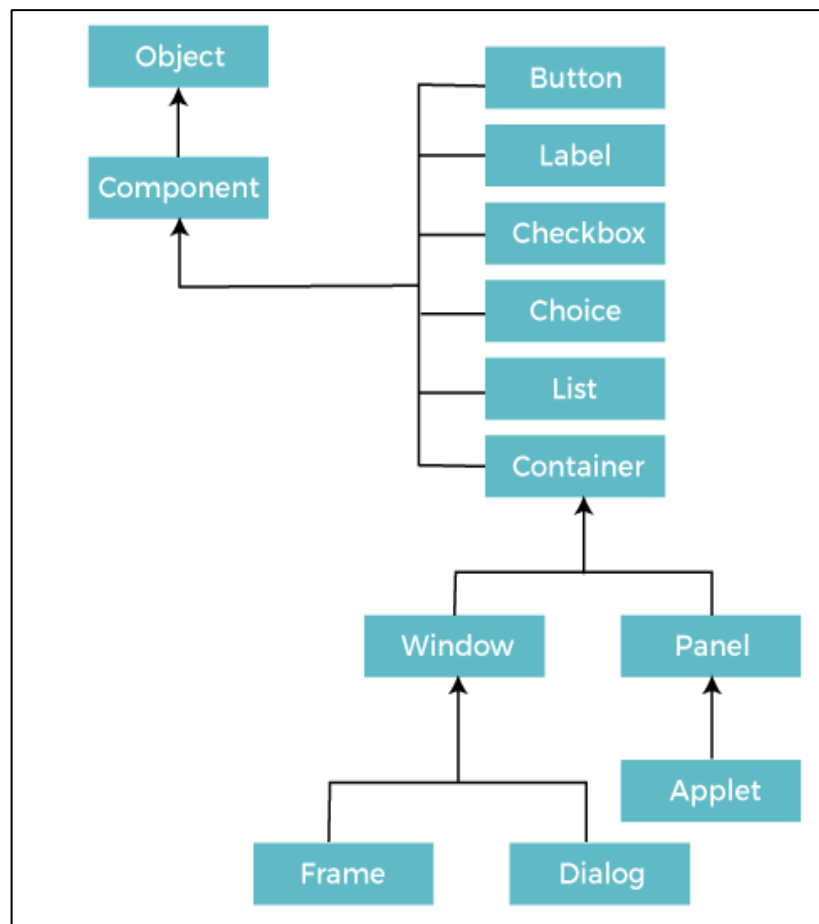


TECHNICAL DETAILS:

Following is the brief description about various technologies used while designing Car Accessories System:

1) Java AWT:

1. *Java AWT (Abstract Window Toolkit)* is an API to develop Graphical User Interface (GUI) or windows-based applications *in Java*.
2. Java AWT components are platform-dependent i.e. components are displayed according to the view of operating system. AWT is heavy weight i.e. its components are using the resources of underlying operating system (OS).
3. The `java.awt.package` provides classes for AWT API such as `TextField`, `Label`, `TextArea`, `RadioButton`, `CheckBox`, `Choice`, `List`, etc.



2) Java Swing:

1. Java Swing is used to create window-based applications. It is built on the top of AWT (Abstract Windowing Toolkit) API and entirely written in java.
2. Unlike AWT, Java Swing provides platform-independent and lightweight components.
3. The javax.swing package provides classes for java swing API such as JButton, JTextField, JTextArea, JRadioButton, JCheckbox, JMenu, JColorChooser etc.
4. Swing components are lightweight.

3) Apache NetBeans:

1. NetBeans is an integrated development environment (IDE) for Java.
2. NetBeans allows applications to be developed from a set of modular software components called modules.
3. NetBeans runs on Windows, macOS, Linux and Solaris.
4. In addition to Java development, it has extensions for other languages like PHP, C, C++, HTML5, and JavaScript
5. A project type is a NetBeans Platform term for a grouping of folders and files that is treated as a single unit. For example, the Java project type in NetBeans IDE helps the end user to work with the folders and files belonging to a single Java application.

INNOVATION AND USEFULNESS:

1. Providing the searching facilities based on various factors such as security, comfort, ambience, media and interior, etc.
2. It tracks all the information of accessory ID, accessory name, category, price range, recommendation, etc.
3. Manage the information regarding the newly added car accessory
4. Shows the information of the car accessories in the form of table
5. All the fields such as accessory ID, name, price as well as category, etc are validated and does not take invalid values.
6. Provide searching by category and price
7. System also provide car accessories form to add new accessory or record and it deals with the information such as accessory ID, name, price, category, etc.
8. User can easily search the accessory without spending too much time.
9. User friendly interface.
10. Delete the item by selecting the particular accessory.
11. Also, user can delete all the records.

CONCLUSION:

1. Car accessories system is a venture to satisfy the needs to manage the all accessories. This is a frame work that enables the manager to make reasonable estimates made within a limited time for car accessories.
2. The record should be updated regularly as the project progresses.
3. The manager of the car company can easily take a look on how many accessories are there in stock.

FUTURE SCOPE:

1. Nowadays, people don't have time to spare for vehicle service like changing the accessories. They can use this platform to easily search accessories for their vehicle.
2. This is a platform that enables the manager to make reasonable estimates made within a limited time for car accessories. They can easily monitor the records of stocks and sells.
3. In a nutshell, it can be summarized that the future scope of the system circles around maintaining information regarding:
 - We can give more advance details of car accessories.
 - We can add user side interface.
 - We can host the platform on online servers to make it accessible worldwide.
 - Create the master and slave database structure to reduce the overload of the database of car accessories.
 - We can categorize the car accessories by different types and companies of the car.
 - We can add the remainder for the shortage of specific car accessories so that manager can order the required accessories.

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