# IMPLEMENTATION OF SECURITY

## NEED OF SECURITY :

A database must have solid security system to control the activities that can be performed and the information that can be viewed and modified. A solid security system ensures the protection of data stored, regardless of how users gain access to the database.

## SECURITY LEVEL :

A password is assigned to limit access to a project. Password prevents access to the protected item/project by unauthorized users. A password can contain any combination of letters, numerals, spaces and symbols and it can be up to 30 characters long. As type a password, typing character displays in the form of asterisk (*). Password is also case sensitive. In this project, password asks at the time of project loading. Here two types of password entered one for administration that have facility to edit any recorded/ existing data and other for user/ employee that work on that.

The main security concern of this project is to assign a "password facility" at the time of opening the application which limits the access of unauthorized users. This project asks the password at the time of loading / opening the project on the computer and if, the user enters wrong password, it gives only

three time to re-enter the right password otherwise system may require restart manually.

This project has two types of password facility - one for administrator, which is master in nature and other for general related employees. Administrator has the facility to access, open, and edits any record /exiting data. But employee has only limited access or required data / record for their work. Decision taking facility is in the hand of administrator. This project opens the application automatically either as administrator or as general user as per given password in the login box at the time of opening of the application.



BCA Project
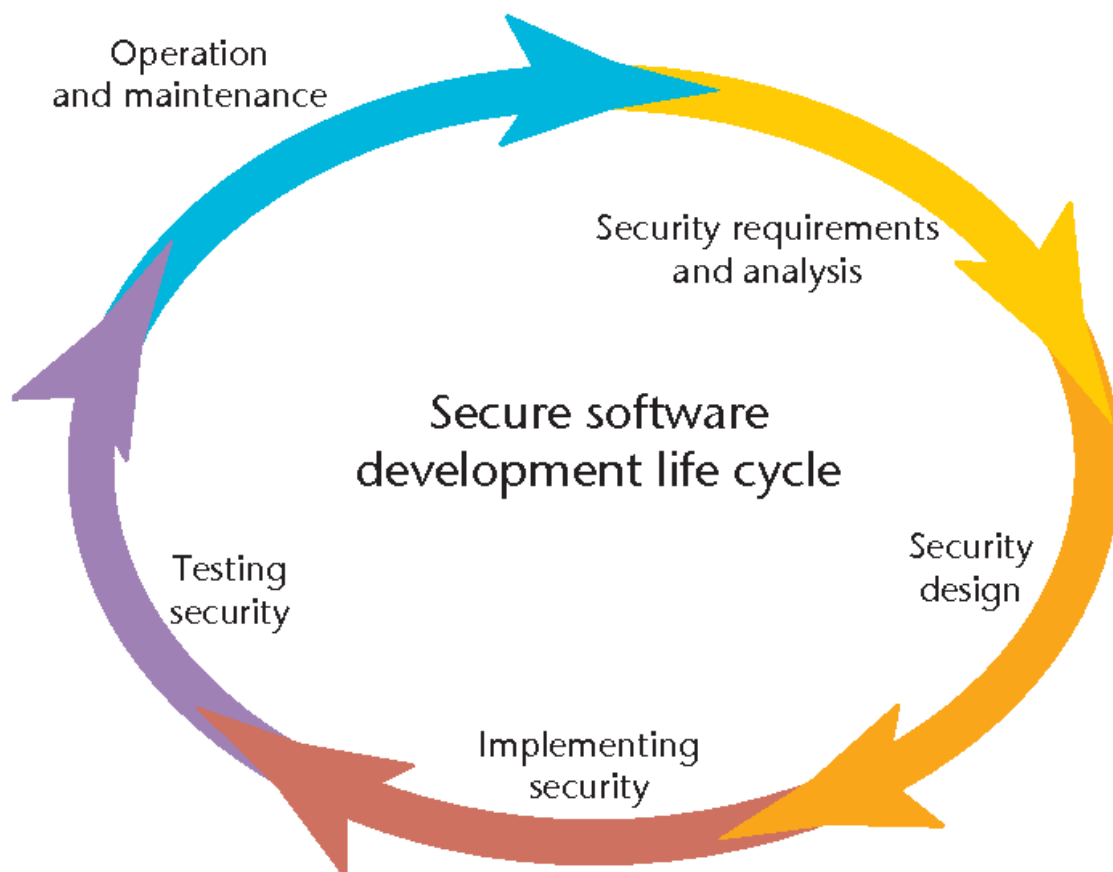
# LIMITATION OF THE ROJECT

The development of this software is being done keeping in mind the future scope of this application. I find that it has good prospects in the future also. I find it is getting solved almost all the online related work of the Service Station. Keeping in mind the needs of the organization, which may crop up in the near future, I have tried and introduced certain features, which may be required by the organization, and so at that time implementation can be done without any problems. Right now I am developing this software keeping in mind just of a general current working mechanism of this company. I sure It will run online successfully, and it can be distributed to other similar working mechanism organizations too. The flexibility and the number of reports, that this software would be providing, also enhance the scope of the software too much.

This project ("Online Two Wheelers Servicing System") is designed to online computerize almost all the related functions of the company, which was previously performed manually with many difficulties and errors. The system will computerized the activity of student & staff members, computerized account handling, stock maintenance and various other related works. It will automate the manual and complicated process related with this company.

Since jsp and 0racle 11g support networking as well as object oriented facility to much, hence same project can be easily upgraded with little or no modification as client-server based application or distributed environment or Web based intranet application in future, if necessary and others in quick time.

# FUTURE SCOPE OF THE PROJECT

- "Online Two Wheelers Servicing System" will be useful Now this project is for mainly two wheelers vehicle mainly but in future cars and old and new vehicle selling/repairing can also be included.

- The database in which the data/reports are being saved is also limited to its defined server only but it could not go beyond that.

- This project can be put globally by turning towards the Cloud computing which is something a little part of the Remote Administration with huge limitations (for enhancing security).

- A virtual desktop can be introduced for providing the desktop view of the remote computer in future.

- The software performance can be improved by re-examining the algorithms and various parts of the codes to get the real time experience.

# BIBLIOGRAPHY

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| Books name | Author |
|---|---|
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| ➢ Core Java 8 | Dr. R. Nageshwar Rao |
| ➢ Advanced Java programming | Uttam K.Roy |
| ➢ Oracle Database 11g The Complete Reference | Kevin Loney |

## Website:

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