

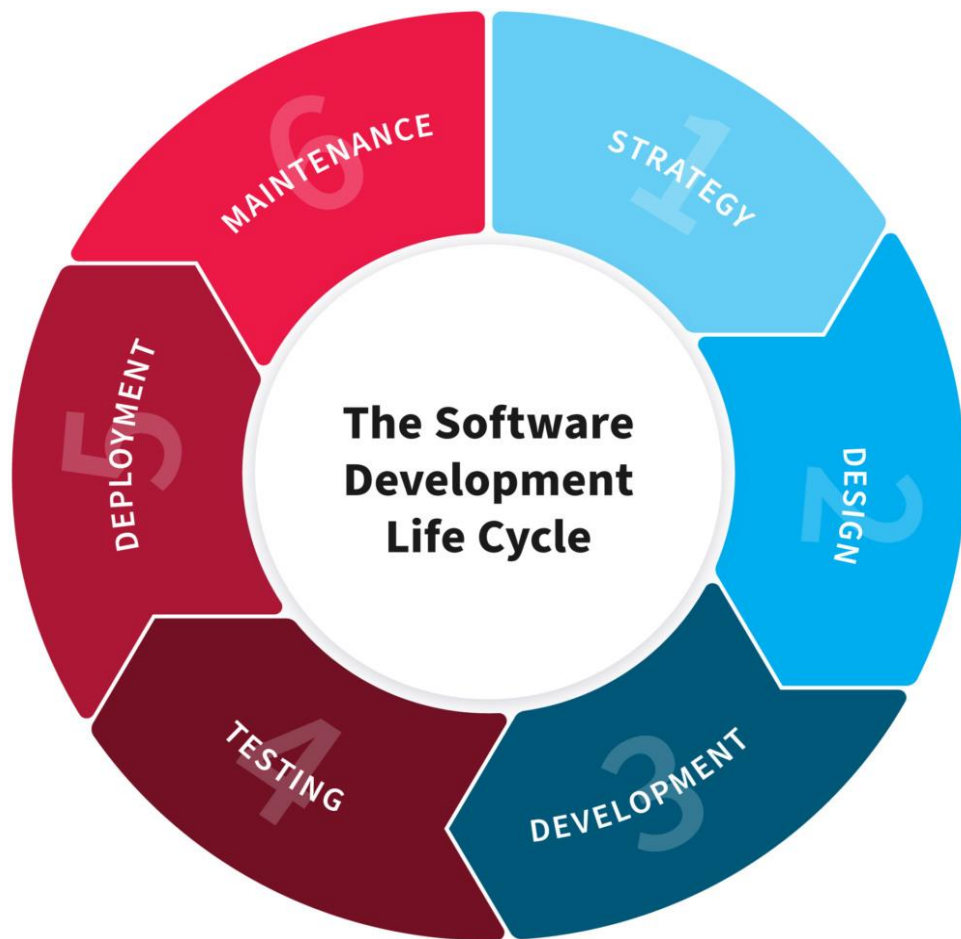
# **ADVANCED JAVA PROGRAMMING PROJECTS**

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**CLASS NO: level2 BIT, GROUP3**

**PROJECT NAME: Online Bus management system**



## **1. PLANNING**

- Our project is called **online bus management system** which is mainly focuses on basic operation in process of getting car like booking tickets, add choosing location, add passenger, searching passenger, updating information of passenger, deleting passenger.
- Main objective of this project is to provide the hand free access to the **online Bus management portal** through web interface. This project of **online bus management** gives us complete information about ticket booking we can add new passenger, retrieve all information about passenger, update passenger information, delete passenger who cancelled ticket, search passenger, booking seat.
- the problems the future system needs to solve” this project solve a problem of wasting time of going on ticket office for getting car sometime on ticket office had many client need support even you can missed car because of many passenger and few car, and you may late to stay where you are going.

## **2.Design**

- In this project we have one user that can be admin or passenger have form to login into system by using username and password user(passenger)can booking seat, after booking seat he/she may fill the form of ticket information like ticket no, bus no, duration, date, and location and click button **book now**
- After booking tickets passenger can view passenger detail, cancelling tickets by using delete button not only updating(**edit**) information of passenger but also user can search (**search button**) the information about tickets.
- In this project passenger cannot booking same seat at the same time (same date) , and also passenger cannot booking tickets with the same location(like from huye to huye it is impossible)

### **3.Development**

- *in our project we used java NetBeans in designing (front end technology) and source code (back end technology) to build our project.*
- *we use JDK includes tools useful for developing and testing programs written in the Java programming language and running on the Java platform.*
- *And also, we xamp server, MySQL for accessing database, MySQL provides connectivity for client applications developed in the Java programming language with **MySQL Connector**, JCalendar tools that are used for accessing time and duration which is available (accessing Official calendar).*

### **4.Testing**

- *In this stage we test our project by running project and if there is any error and fault, we try to handle it for testing code until it gives the suitable result and check if it is matching with product of client she needs.*

### **5.Deployment**

- *In this stage we try to exporting database, extracting project from one computer to another by using USB Flash, create folder on our laptop and storing database file and project file and install web server, NetBeans in their own laptop and then create database with the same name of existing database, import database.*

### **6.MAINTAINAMCE**

- *After deploying our project, we may deliver our project to the client and start to use it if there is any fault, we try to handle it but it is still used by client like to install same application, replacing same devices or same software and hardware component*