**Simple Flight Booking**

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Based on Core Functionality Requirements and Demo Screen for Coding Battle, this is my Design:

I assume I will create 2 Master Data:

1. Aircraft Data
2. Destination Data

A screen shot of a computer program

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A computer screen shot of a program code

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And based on that Aircraft & Destination Data, I create Flight Route Data, attribute consist of:

1. Departure City (relation with Destination Master Data)
2. Destination City (relation with Destination Master Data)
3. Aircraft (relation with Aircraft Master Data)
4. Schedule Day

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To accommodate Flight Booking feature, I will create 2 class which is Flight Booking Detail to store Flight Route Data and selected seat, and Flight Booking class to store Booking ID, Passenger Name, Destination From, Destination To, List of Flight Booking Detail, Booking Status and Schedule Day.

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To accommodate Run Flight feature, I will create 2 class which is Passenger Seat and Process Flight class. That class will be transformed from Flight Booking and Flight Booking Detail class to facilitate Run Flight feature.

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To accommodate all the features on Admin Menu & Passenger Menu on this Flight Booking, I will create 3 services class, which is Admin Service, Passenger Service and Flight Booking Service class.

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A computer screen shot of text

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**How to Run the Application:**

1. Clone repository from github (<https://github.com/chandradiva175/coding-battle-flight-booking>), or with this command.

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| --- |
| # git clone https://github.com/chandradiva175/coding-battle-flight-booking.git |

1. After successfully cloning from the repository, open command prompt, and change directory into the project directory.

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| --- |
| # cd coding-battle-flight-booking |

1. Make sure Java 17 already installed in our system.

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| --- |
| # java -version |

1. Execute this command Spring Boot Run to run the application

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| --- |
| # mvn spring-boot:run |

1. Or you can build the JAR file first, with this command

|  |
| --- |
| # mvn clean install |

1. After that you can execute this command to run the application.

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| --- |
| # cd target  # java -jar coding-battle-flight-booking.jar |