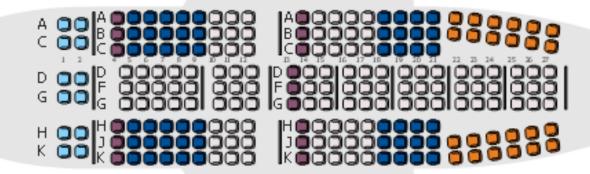
Plane booking system

What were our

main goals and targets?



BOOKING









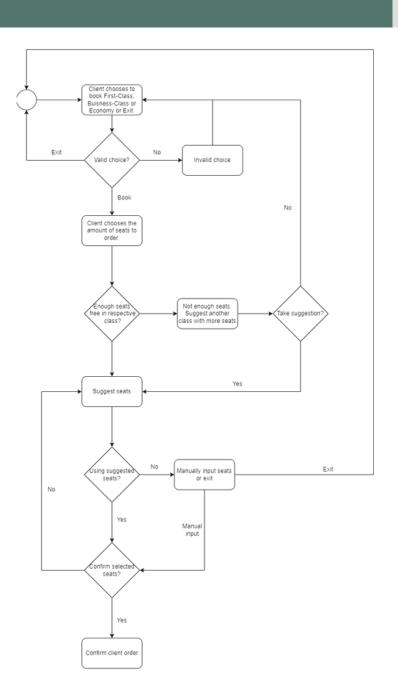


Seats with more legroom



PROJECT FLOW





ORDER OF IMPLEMENTATION

- Initialise struct for plane
- Printing plane seats
- Booking of seats
- Suggestion of seats
- Cleaning up code



CLASS DIAGRAM

Plane

attributes

- -string flightNo
- -string destination
- -string origin
- -int firstClassPrice
- -int businessClassPrice
- -int businessClassPrice
- -int firstClassSeatsPerRows
- -int firstClassRows
- -int businessClassSeatsPerRow
- -int businessClassRows
- -int economyClassSeatsPerRow
- -int economyClassRows
- -int *firstClass
- -int *businessClass
- -int *economyClass

operations

- +Plane(string flightNo, int firstClassSeatsPerRows, int firstClassRows, int businessClassSeatsPerRow, int businessClassRows, int economyClassSeatsPerRow, int economyClassRows)
- +~Plane()
- +printClass(string className, int *classArr, int classRows, int classSeatsPerRow): Void
- +printAll(): Void
- +checkFreeSeats(int* classArr, int classRows, int classSeatsPerRow); int
- +convertIndexToSeat(int index, int classSeatsPerRow): string
- +convertSeatToIndex(int row, char seat, int classSeatsPerRow): int
- +suggestSeats(int passengers, int* classArr, int classRows, int classSeatsPerRow): int*
- +findSeats(int passengers, int *seats, int *classArr, int classRows, int classSeatsPerRow); void
- +bookSeats(int passengers, int classSeatsPerRow):void
- +makeBooking(int choice): void



CHALLENGES





PLANNING AHEAD

GUI, Improvements



Thank you!

Questions?