**Programming Coursework Part 2**

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| SeatBookingSystem | | Seat |

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| - input: Scanner | | - seatNumber: int |

| - seats: Seat[] | | - type: String |

+---------------------+ | - window: boolean |

| +main(args: String[])| | - aisle: boolean |

| -loadSeats(): void | | - table: boolean |

| -displaySeat(): void| | - price: double |

| -bookSeat(): void | | - eMail: String |

| -cancelSeat(): void | +-------------------+

+---------------------+ |+book(email: String): void|

| +cancel(): void |

| +toString(): String |

| +geteMail(): String |

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* Attributes:
  + no: String
  + type: String
  + window: boolean
  + aisle: boolean
  + table: boolean
  + price: double
  + eMail: String
* Methods:
  + **Seat**(no: String, type: String, window: boolean, aisle: boolean, table: boolean, price: double, eMail: String): Constructor to initialise the attributes.
  + **toString**(): String: Method to return a string representation of the Seat.
  + **equals(s: Seat)**: boolean: Method to check if two seats are equal based on their no and type.
  + **book(eMail: String): void:** Method to book the seat with the given email.
  + **cancel(): void:** Method to cancel the seat reservation (set eMail to "free").
  + **geteMail(): String:** Method to retrieve the email associated with the seat.