System Setup

Java version:

```
openjdk 11.0.17 2022-10-18 LTS
OpenJDK Runtime Environment Corretto-11.0.17.8.1 (build 11.0.17+8-LTS)
OpenJDK 64-Bit Server VM Corretto-11.0.17.8.1 (build 11.0.17+8-LTS, mixed mode)
```

Gradle version

```
Gradle 7.6
```

Instructions

How to build the project

- Navigate to the LaundryBooking directory
- Clean and build the gradle project using the following command
  ```
  gradle clean && gradle build
  ```
- This ^ will build the project and also run the automated tests written for the project

Assumptions

- It's assumed that the **listBookedTimes** API is supposed to return all the booked times for all the laundry rooms and not booked times of the user/house
- The DataAccessor classes are No Op and it's assumed they will return the appropriate response by getting data from the datastore configured for the system

SQL Database model

Bookings

PK	id (VARCHAR(50))
FK1	houseId (INT)
FK2	laundryRoomId (INT)
	bookingStartTimeUTC (DATETIME)
	bookingEndTimeUTC (DATETIME)
	bookingStatus (VARCHAR(20))

House

PK	id (INT)
	streetAddress (VARCHAR(50))
	houseNumber (VARCHAR(20))
	city (VARCHAR(50))
	state (VARCHAR(50))
	zipCode (VARCHAR(20))
	contactNumber (VARCHAR(15))

LaundryRoom

PK	id (INT)
	name (VARCHAR (20))
	startHour (INT)
	endHour (INT)
	minSlotLength (INT)
	maxSlotLength (INT)
	bookingWindow (INT)