

Package com.example.roombooking.config

## Class SecurityConfig

```
java.lang.Object  
com.example.roombooking.config.SecurityConfig
```

```
@Configuration  
@EnableWebSecurity  
@EnableGlobalMethodSecurity(prePostEnabled=true)  
public class SecurityConfig  
extends Object
```

### Constructor Summary

#### Constructors

Constructor	Description
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SecurityConfig()	
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### Method Summary

All Methods	Instance Methods	Concrete Methods
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Modifier and Type	Method	Description
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org.springframework.security.cry	passwordEncoder()	
----------------------------------	-------------------	--



org.springframework.security.web	securityFilterChain (org.springframework.security.config)	
----------------------------------	--	--



org.springframework.security.cor	userDetailsService()	
----------------------------------	----------------------	--



#### Methods inherited from class java.lang.Object

equals , getClass , hashCode , notify , notifyAll , toString , wait , wait , wait

### Constructor Details

#### SecurityConfig

```
public SecurityConfig()
```

### Method Details

## passwordEncoder

```
@Bean  
public org.springframework.security.crypto.password.PasswordEncoder passwordEncoder()
```

## userDetailsService

```
@Bean  
public org.springframework.security.core.userdetails.UserDetailsService userDetailsService()
```

## securityFilterChain

```
@Bean  
public org.springframework.security.web.SecurityFilterChain securityFilterChain  
(org.springframework.security.config.annotation.web.builders.HttpSecurity http)  
throws  
Exception
```

**Throws:**

Exception

Package com.example.roombooking.controller

## Class AdminController

java.lang.Object  
com.example.roombooking.controller.AdminController

```
@RestController  
@RequestMapping("/api/admin")  
public class AdminController  
extends Object
```

### Constructor Summary

#### Constructors

Constructor	Description
<a href="#">AdminController()</a>	

### Method Summary

[All Methods](#)    [Instance Methods](#)    [Concrete Methods](#)

Modifier and Type	Method	Description
org.springframework.http.Respor	<a href="#">createUser(UsersTable user)</a>	
<img alt="grey horizontal bar with arrows at both ends" data-bbox="93 558 393 568>	<img alt="grey horizontal bar with arrows at both ends" data-bbox="383 558 403 568>	
org.springframework.http.Respor	<a href="#">deleteUser(int id)</a>	
>	<img alt="grey horizontal bar with arrows at both ends" data-bbox="93 608 393 618>	<img alt="grey horizontal bar with arrows at both ends" data-bbox="383 608 403 618>
org.springframework.http.Respor	<a href="#">getAllRoles()</a>	
<img alt="grey horizontal bar with arrows at both ends" data-bbox="93 658 393 668>	<img alt="grey horizontal bar with arrows at both ends" data-bbox="383 658 403 668>	
org.springframework.http.Respor	<a href="#">getAllUsers()</a>	
<img alt="grey horizontal bar with arrows at both ends" data-bbox="93 708 393 718>	<img alt="grey horizontal bar with arrows at both ends" data-bbox="383 708 403 718>	
org.springframework.http.Respor	<a href="#">updateUser(int id,</a>	
<img alt="grey horizontal bar with arrows at both ends" data-bbox="93 758 393 768>	<a href="#">UsersTable user)</a>	<img alt="grey horizontal bar with arrows at both ends" data-bbox="383 758 403 768>

#### Methods inherited from class java.lang.Object

[equals](#) , [getClass](#) , [hashCode](#) , [notify](#) , [notifyAll](#) , [toString](#) , [wait](#) , [wait](#) , [wait](#)

### Constructor Details

## AdminController

```
public AdminController()
```

### Method Details

#### getAllUsers

```
@GetMapping("/users")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<List <UsersTable>> getAllUsers()
```

#### createUser

```
@PostMapping("/users")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<UsersTable> createUser
(@RequestBody
 UsersTable user)
```

#### updateUser

```
@PutMapping("/users/{id}")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<UsersTable> updateUser
(@PathVariable
 int id,
 @RequestBody
 UsersTable user)
```

#### deleteUser

```
@DeleteMapping("/users/{id}")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<Void > deleteUser(@PathVariable
 int id)
```

#### getAllRoles

```
@GetMapping("/roles")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<List <RolesTable>> getAllRoles()
```

**Package** com.example.roombooking.controller

## Class BookingsController

```
java.lang.Object
    com.example.roombooking.controller.BookingsController
```

---

```
@RestController
@RequestMapping("/api")
public class BookingsController
extends Object
```

### Constructor Summary

#### Constructors

Constructor	Description
<code>BookingsController (BookingsTableRepository bookingsTableRepository, UsersTableRepository usersTableRepository, RoomsTableRepository roomsTableRepository)</code>	

### Method Summary

All Methods    Instance Methods    Concrete Methods

Modifier and Type	Method	Description
org.springframework.http.Respor	<code>createBooking(@Valid BookingsTable booking)</code>	
>		
org.springframework.http.Respor	<code>deleteBooking(int id)</code>	
>		
org.springframework.http.Respor	<code>getAllBookings()</code>	
<BookingsTable>>		
<		
org.springframework.http.Respor	<code>getBookingsByDate(Date date)</code>	
<BookingsTable>>		
<		
org.springframework.http.Respor	<code>getBookingsByUserAndDate (int userId, Date date)</code>	
<BookingsTable>>		
<		
org.springframework.http.Respor	<code>getUserBookings(int userId)</code>	
<BookingsTable>>		
<		
org.springframework.http.Respor	<code>updateBooking(int id, BookingsTable booking)</code>	
<BookingsTable>>		
<		

## Methods inherited from class java.lang.Object

```
equals , getClass , hashCode , notify , notifyAll , toString , wait , wait , wait
```

## Constructor Details

### BookingsController

```
@Autowired  
public BookingsController(BookingsTableRepository bookingsTableRepository,  
                           UsersTableRepository usersTableRepository,  
                           RoomsTableRepository roomsTableRepository)
```

## Method Details

### createBooking

```
@PostMapping("/bookings")  
@PreAuthorize("hasAnyRole('ADMIN', 'USER')")  
public org.springframework.http.ResponseEntity<?> createBooking  
(@Valid @RequestBody  
 @Valid BookingsTable booking)
```

### getUserBookings

```
@GetMapping("/bookings/user/{userId}")  
@PreAuthorize("hasAnyRole('ADMIN', 'USER')")  
public org.springframework.http.ResponseEntity<List  
<BookingsTable>> getUserBookings(@PathVariable  
                                         int userId)
```

### getAllBookings

```
@GetMapping("/admin/bookings")  
@PreAuthorize("hasRole('ADMIN')")  
public org.springframework.http.ResponseEntity<List  
<BookingsTable>> getAllBookings()
```

### updateBooking

```
@PutMapping("/admin/bookings/{id}")  
@PreAuthorize("hasRole('ADMIN')")
```

```
public org.springframework.http.ResponseEntity<BookingsTable> updateBooking  
(@PathVariable  
int id,  
@RequestBody  
BookingsTable booking)
```

### deleteBooking

```
@DeleteMapping("/admin/bookings/{id}")  
@PreAuthorize("hasRole('ADMIN')")  
public org.springframework.http.ResponseEntity<Void> deleteBooking(@PathVariable  
int id)
```

### getBookingsByDate

```
@GetMapping("/admin/bookings/by-date/{date}")  
@PreAuthorize("hasRole('ADMIN')")  
public org.springframework.http.ResponseEntity<List  
<BookingsTable>> getBookingsByDate(@PathVariable  
Date date)
```

### getBookingsByUserAndDate

```
@GetMapping("/admin/bookings/by-user-and-date/{userId}/{date}")  
@PreAuthorize("hasRole('ADMIN')")  
public org.springframework.http.ResponseEntity<List  
<BookingsTable>> getBookingsByUserAndDate(@PathVariable  
int userId,  
@PathVariable  
Date date)
```

Package com.example.roombooking.controller

## Class Controller

java.lang.Object  
com.example.roombooking.controller.Controller

```
@RestController  
@RequestMapping("/api/test")  
public class Controller  
extends Object
```

### Constructor Summary

#### Constructors

Constructor	Description
<a href="#">Controller()</a>	

### Method Summary

[All Methods](#)    [Instance Methods](#)    [Concrete Methods](#)

Modifier and Type	Method	Description
String	<a href="#">getMyRole</a> (org.springframework.security.core.Authentication a	

#### Methods inherited from class java.lang.Object

[equals](#) , [getClass](#) , [hashCode](#) , [notify](#) , [notifyAll](#) , [toString](#) , [wait](#) , [wait](#) , [wait](#)

### Constructor Details

#### Controller

```
public Controller()
```

### Method Details

#### getMyRole

```
@GetMapping("/myrole")
public String getMyRole
(org.springframework.security.core.Authentication authentication)
```

Package com.example.roombooking.controller

## Class FloorManagerController

java.lang.Object  
com.example.roombooking.controller.FloorManagerController

```
@RestController
@RequestMapping("/api/floormanager")
public class FloorManagerController
extends Object
```

### Constructor Summary

#### Constructors

Constructor	Description
FloorManagerController()	

### Method Summary

#### All Methods    Instance Methods    Concrete Methods

Modifier and Type	Method	Description
org.springframework.http.Respor	createBookingRequest(@Valid > BookingsTable bookingRequest, org.springframework.security.core.A	
org.springframework.http.Respor	getAllBookingRequests() <BookingsTable>>	
org.springframework.http.Respor	getBookingById(int id)	
org.springframework.http.Respor	getBookingsByRoomAndDate <BookingsTable>> (int roomId, Date date)	
org.springframework.http.Respor	getBookingsByUser(int userId) <BookingsTable>>	
org.springframework.http.Respor	getPendingBookings() <BookingsTable>>	
org.springframework.http.Respor	updateBookingStatus(int id, String status)	

### Methods inherited from class java.lang.Object

```
equals , getClass , hashCode , notify , notifyAll , toString , wait , wait , wait
```

## Constructor Details

### FloorManagerController

```
public FloorManagerController()
```

## Method Details

### createBookingRequest

```
@PostMapping("/bookings")
@PreAuthorize("hasAnyRole('USER', 'ADMIN', 'FLOORMANAGER')")
public org.springframework.http.ResponseEntity<?> createBookingRequest
(@RequestBody @Valid
@Valid BookingsTable bookingRequest,
org.springframework.security.core.Authentication authentication)
```

### getAllBookingRequests

```
@GetMapping("/bookings")
@PreAuthorize("hasAnyRole('ADMIN', 'FLOORMANAGER')")
public org.springframework.http.ResponseEntity<List
<BookingsTable>> getAllBookingRequests()
```

### getPendingBookings

```
@GetMapping("/bookings/pending")
@PreAuthorize("hasAnyRole('ADMIN', 'FLOORMANAGER')")
public org.springframework.http.ResponseEntity<List
<BookingsTable>> getPendingBookings()
```

### getBookingsByRoomAndDate

```
@GetMapping("/bookings/room/{roomId}/date/{date}")
@PreAuthorize("hasAnyRole('ADMIN', 'FLOORMANAGER')")
```

```
public org.springframework.http.ResponseEntity<List<BookingsTable>> getBookingsByRoomAndDate(@PathVariable int roomId, @PathVariable Date date)
```

### getBookingsByUser

```
@GetMapping("/bookings/user/{userId}")
@PreAuthorize("hasAnyRole('ADMIN', 'FLOORMANAGER')")
public org.springframework.http.ResponseEntity<List<BookingsTable>> getBookingsByUser(@PathVariable int userId)
```

### updateBookingStatus

```
@PatchMapping("/bookings/{id}/status")
@PreAuthorize("hasAnyRole('ADMIN', 'FLOORMANAGER')")
public org.springframework.http.ResponseEntity<BookingsTable> updateBookingStatus(@PathVariable int id, @RequestParam String status)
```

### getBookingById

```
@GetMapping("/bookings/{id}")
@PreAuthorize("hasAnyRole('ADMIN', 'FLOORMANAGER')")
public org.springframework.http.ResponseEntity<BookingsTable> getBookingById(@PathVariable int id)
```

Package com.example.roombooking.controller

## Class NotificationsController

```
java.lang.Object  
    com.example.roombooking.controller.NotificationsController
```

```
@RestController  
@RequestMapping("/api/admin")  
public class NotificationsController  
extends Object
```

### Constructor Summary

#### Constructors

Constructor	Description
<a href="#">NotificationsController()</a>	

### Method Summary

#### All Methods    Instance Methods    Concrete Methods

Modifier and Type	Method	Description
org.springframework.http.Respor	<a href="#">createNotification</a> (NotificationsTable notification)	
org.springframework.http.Respor	<a href="#">deleteNotification(int id)</a>	
org.springframework.http.Respor	<a href="#">getAllNotifications()</a> <NotificationsTable>>	
org.springframework.http.Respor	<a href="#">updateNotification(int id,</a> <a href="#">NotificationsTable notification)</a>	

#### Methods inherited from class java.lang.Object

[equals](#) , [getClass](#) , [hashCode](#) , [notify](#) , [notifyAll](#) , [toString](#) , [wait](#) , [wait](#) , [wait](#)

### Constructor Details

#### NotificationsController

```
public NotificationsController()
```

## Method Details

### getAllNotifications

```
@GetMapping("/notifications")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<List<NotificationsTable>> getAllNotifications()
```

### createNotification

```
@PostMapping("/notifications")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<NotificationsTable> createNotification(
    @RequestBody NotificationsTable notification)
```

### updateNotification

```
@PutMapping("/notifications/{id}")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<NotificationsTable> updateNotification(
    @PathVariable int id,
    @RequestBody NotificationsTable notification)
```

### deleteNotification

```
@DeleteMapping("/notifications/{id}")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<Void> deleteNotification(
    @PathVariable int id)
```

**Package** com.example.roombooking.controller

## Class RoomAmenitiesController

```
java.lang.Object
    com.example.roombooking.controller.RoomAmenitiesController
```

---

```
@RestController
@RequestMapping("/api/admin")
public class RoomAmenitiesController
extends Object
```

### Constructor Summary

#### Constructors

Constructor	Description
<code>RoomAmenitiesController()</code>	

### Method Summary

#### All Methods    Instance Methods    Concrete Methods

Modifier and Type	Method	Description
<code>org.springframework.http.Respor</code>	<code>createRoomAmenity</code>	
	<code>(RoomAmenitiesTable roomAmenity)</code>	
<code>org.springframework.http.Respor</code>	<code>deleteRoomAmenity(int id)</code>	
>		
<code>org.springframework.http.Respor</code>	<code>getAllAmenitiesGroupedByRoom()</code>	
<code>&lt;Integer ,List</code>		
<code>&lt;RoomAmenitiesTable&gt;&gt;&gt;</code>		
<		
<code>org.springframework.http.Respor</code>	<code>getAllRoomAmenities()</code>	
<code>&lt;RoomAmenitiesTable&gt;&gt;</code>		
<		
<code>org.springframework.http.Respor</code>	<code>getAmenitiesByRoomId(int roomId)</code>	
<code>&lt;RoomAmenitiesTable&gt;&gt;</code>		
<		
<code>org.springframework.http.Respor</code>	<code>updateRoomAmenity(int id,</code>	
	<code>RoomAmenitiesTable roomAmenity)</code>	
<		

#### Methods inherited from class java.lang.Object

```
equals , getClass , hashCode , notify , notifyAll , toString , wait , wait , wait
```

## Constructor Details

### RoomAmenitiesController

```
public RoomAmenitiesController()
```

## Method Details

### getAllRoomAmenities

```
@GetMapping("/room-amenities")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<List
<RoomAmenitiesTable>> getAllRoomAmenities()
```

### getAmenitiesByRoomId

```
@GetMapping("/room-amenities/by-room/{roomId}")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<List
<RoomAmenitiesTable>> getAmenitiesByRoomId(@PathVariable
int roomId)
```

### getAllAmenitiesGroupedByRoom

```
@GetMapping("/room-amenities/all-grouped")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<Map <Integer ,List
<RoomAmenitiesTable>>> getAllAmenitiesGroupedByRoom()
```

### createRoomAmenity

```
@PostMapping("/room-amenities")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<RoomAmenitiesTable> createRoomAmenity
(@RequestBody
RoomAmenitiesTable roomAmenity)
```

### updateRoomAmenity

```
@PutMapping("/room-amenities/{id}")
@PreAuthorize("hasRole('ADMIN')")
```

```
public org.springframework.http.ResponseEntity<RoomAmenitiesTable> updateRoomAmenity  
(@PathVariable  
int id,  
@RequestBody  
RoomAmenitiesTable roomAmenity)
```

## deleteRoomAmenity

```
@DeleteMapping("/room-amenities/{id}")  
@PreAuthorize("hasRole('ADMIN')")  
public org.springframework.http.ResponseEntity<Void> deleteRoomAmenity  
(@PathVariable  
int id)
```

Package com.example.roombooking.controller

## Class RoomsController

java.lang.Object  
com.example.roombooking.controller.RoomsController

```
@RestController  
@RequestMapping("/api")  
public class RoomsController  
extends Object
```

### Constructor Summary

#### Constructors

Constructor	Description
<code>RoomsController()</code>	

### Method Summary

All Methods    Instance Methods    Concrete Methods

Modifier and Type	Method	Description
<code>org.springframework.http.Respor</code>	<code>createRoom(RoomsTable room)</code>	
<img alt="grey horizontal bar with arrows at both ends" data-bbox="93 558 270 568>	<img alt="grey horizontal bar with arrows at both ends" data-bbox="375 558 395 568>	
<code>org.springframework.http.Respor</code>	<code>deleteRoom(int id)</code>	
>	<img alt="grey horizontal bar with arrows at both ends" data-bbox="93 605 270 615>	<img alt="grey horizontal bar with arrows at both ends" data-bbox="375 605 395 615>
<code>org.springframework.http.Respor</code>	<code>getAllAdminRooms()</code>	
<code>&lt;RoomsTable&gt;&gt;</code>		
<img alt="grey horizontal bar with arrows at both ends" data-bbox="93 665 270 675>	<img alt="grey horizontal bar with arrows at both ends" data-bbox="375 665 395 675>	
<code>org.springframework.http.Respor</code>	<code>getAllAvailableRooms()</code>	
<code>&lt;RoomsTable&gt;&gt;</code>		
<img alt="grey horizontal bar with arrows at both ends" data-bbox="93 735 270 745>	<img alt="grey horizontal bar with arrows at both ends" data-bbox="375 735 395 745>	
<code>org.springframework.http.Respor</code>	<code>updateRoom(int id,</code>	
	<code>RoomsTable room)</code>	

#### Methods inherited from class java.lang.Object

`equals` , `getClass` , `hashCode` , `notify` , `notifyAll` , `toString` , `wait` , `wait` , `wait`

### Constructor Details

## RoomsController

```
public RoomsController()
```

### Method Details

#### getAllAdminRooms

```
@GetMapping("/admin/rooms")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<List<RoomsTable>> getAllAdminRooms()
```

#### createRoom

```
@PostMapping("/admin/rooms")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<RoomsTable> createRoom
(@RequestBody
RoomsTable room)
```

#### updateRoom

```
@PutMapping("/admin/rooms/{id}")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<RoomsTable> updateRoom
(@PathVariable
int id,
@RequestBody
RoomsTable room)
```

#### deleteRoom

```
@DeleteMapping("/admin/rooms/{id}")
@PreAuthorize("hasRole('ADMIN')")
public org.springframework.http.ResponseEntity<Void> deleteRoom(@PathVariable
int id)
```

#### getAllAvailableRooms

```
@GetMapping("/rooms")
@PreAuthorize("hasAnyRole('ADMIN', 'USER')")
```

```
public org.springframework.http.ResponseEntity<List<RoomsTable>> getAllAvailableRooms()
```

Package com.example.roombooking.controller

## Class UserController

java.lang.Object  
com.example.roombooking.controller.UserController

```
@RestController  
@RequestMapping("/api/user")  
public class UserController  
extends Object
```

### Constructor Summary

#### Constructors

Constructor	Description
<a href="#">UserController()</a>	

### Method Summary

[All Methods](#)    [Instance Methods](#)    [Concrete Methods](#)

Modifier and Type	Method	Description
org.springframework.http.Respor	<a href="#">getUserProfile()</a>	
org.springframework.http.Respor	<a href="#">updateUserProfile</a>	(UsersTable updatedUser)

#### Methods inherited from class java.lang.Object

[equals](#) , [getClass](#) , [hashCode](#) , [notify](#) , [notifyAll](#) , [toString](#) , [wait](#) , [wait](#) , [wait](#)

### Constructor Details

#### UserController

```
public UserController()
```

### Method Details

## getUserProfile

```
@GetMapping("/profile")
@PreAuthorize("isAuthenticated()")
public org.springframework.http.ResponseEntity<UsersTable> getUserProfile()
```

## updateUserProfile

```
@PutMapping("/profile")
@PreAuthorize("isAuthenticated()")
public org.springframework.http.ResponseEntity<UsersTable> updateUserProfile
(@RequestBody
UsersTable updatedUser)
```

**Package** com.example.roombooking.models

## Class BookingsTable

```
java.lang.Object
    com.example.roombooking.models.BookingsTable
```

---

```
@Entity
public class BookingsTable
extends Object
```

### Constructor Summary

#### Constructors

Constructor	Description
<a href="#">BookingsTable()</a>	

### Method Summary

[All Methods](#)    [Instance Methods](#)    [Concrete Methods](#)

Modifier and Type	Method	Description
<code>Integer</code>	<code>getAttendees()</code>	
<code>Date</code>	<code>getBookingdate()</code>	
<code>int</code>	<code>getBookingid()</code>	
<code>LocalDateTime</code>	<code>getCreatedat()</code>	
<code>Time</code>	<code>getEndtime()</code>	
<code>String</code>	<code>getPurpose()</code>	
<code>Integer</code>	<code>getRoomid()</code>	
<code>Time</code>	<code>getStarttime()</code>	
<code>String</code>	<code>getStatus()</code>	
<code>LocalDateTime</code>	<code>getUpdatedat()</code>	
<code>int</code>	<code>getUserid()</code>	
<code>void</code>	<code>setAttendees(<code>Integer</code> attendees)</code>	
<code>void</code>	<code>setBookingdate(<code>Date</code> bookingdate)</code>	
<code>void</code>	<code>setBookingid(int bookingid)</code>	
<code>void</code>	<code>setCreatedat(<code>LocalDateTime</code> createdat)</code>	
<code>void</code>	<code>setEndtime(<code>Time</code> endtime)</code>	

```
void          setPurpose(String  purpose)
void          setRoomid(Integer  roomid)
void          setStarttime(Time   starttime)
void          setStatus(String   status)
void          setUpdatedat(LocalDateTime  updatedat)
void          setUserid(int    userid)
```

#### Methods inherited from class java.lang.Object

```
equals , getClass , hashCode , notify , notifyAll , toString , wait , wait , wait
```

### **Constructor Details**

#### **BookingsTable**

```
public BookingsTable()
```

### **Method Details**

#### **getBookingid**

```
public int getBookingid()
```

#### **setBookingid**

```
public void setBookingid(int bookingid)
```

#### **getBookingdate**

```
public Date  getBookingdate()
```

#### **setBookingdate**

```
public void setBookingdate(Date  bookingdate)
```

#### **getUserid**

```
public int getUserId()
```

**setUserId**

```
public void setUserid(int userid)
```

**getRoomid**

```
public Integer getRoomid()
```

**setRoomid**

```
public void setRoomid(Integer roomid)
```

**getPurpose**

```
public String getPurpose()
```

**setPurpose**

```
public void setPurpose(String purpose)
```

**getAttendees**

```
public Integer getAttendees()
```

**setAttendees**

```
public void setAttendees(Integer attendees)
```

**getEndtime**

```
public Time getEndtime()
```

**setEndtime**

```
public void setEndtime(Time endtime)
```

**getStarttime**

```
public Time getStarttime()
```

**setStarttime**

```
public void setStarttime(Time starttime)
```

**getCreatedat**

```
public LocalDateTime getCreatedat()
```

**setCreatedat**

```
public void setCreatedat(LocalDateTime createdat)
```

**getUpdatedat**

```
public LocalDateTime getUpdatedat()
```

**setUpdatedat**

```
public void setUpdatedat(LocalDateTime updatedat)
```

**getStatus**

```
public String getStatus()
```

**setStatus**

```
public void setStatus(String status)
```

Package com.example.roombooking.models

## Class NotificationsTable

```
java.lang.Object  
    com.example.roombooking.models.NotificationsTable
```

```
@Entity  
public class NotificationsTable  
extends Object
```

### ***Constructor Summary***

#### **Constructors**

Constructor	Description
<a href="#">NotificationsTable()</a>	

### ***Method Summary***

#### **Methods inherited from class java.lang.Object**

```
equals , getClass , hashCode , notify , notifyAll , toString , wait , wait , wait
```

### ***Constructor Details***

#### **NotificationsTable**

```
public NotificationsTable()
```

Package com.example.roombooking.models

## Class RolesTable

java.lang.Object  
com.example.roombooking.models.RolesTable

```
@Entity  
public class RolesTable  
extends Object
```

### ***Constructor Summary***

#### **Constructors**

Constructor	Description
<a href="#">RolesTable()</a>	

### ***Method Summary***

#### **Methods inherited from class java.lang.Object**

[equals](#) , [getClass](#) , [hashCode](#) , [notify](#) , [notifyAll](#) , [toString](#) , [wait](#) , [wait](#) , [wait](#)

### ***Constructor Details***

#### **RolesTable**

```
public RolesTable()
```

Package com.example.roombooking.models

## Class RoomAmenitiesTable

java.lang.Object  
com.example.roombooking.models.RoomAmenitiesTable

```
@Entity  
public class RoomAmenitiesTable  
extends Object
```

### ***Constructor Summary***

#### **Constructors**

Constructor	Description
<a href="#">RoomAmenitiesTable()</a>	

### ***Method Summary***

#### **Methods inherited from class java.lang.Object**

[equals](#) , [getClass](#) , [hashCode](#) , [notify](#) , [notifyAll](#) , [toString](#) , [wait](#) , [wait](#) , [wait](#)

### ***Constructor Details***

#### **RoomAmenitiesTable**

```
public RoomAmenitiesTable()
```

**Package** com.example.roombooking.models

## Class RoomsTable

`java.lang.Object`  
com.example.roombooking.models.RoomsTable

```
@Entity  
public class RoomsTable  
extends Object
```

### ***Constructor Summary***

#### **Constructors**

Constructor	Description
<code>RoomsTable()</code>	

### ***Method Summary***

#### **Methods inherited from class java.lang.Object**

`equals` , `getClass` , `hashCode` , `notify` , `notifyAll` , `toString` , `wait` , `wait` , `wait`

### ***Constructor Details***

#### **RoomsTable**

```
public RoomsTable()
```

Package com.example.roombooking.models

## Class UsersTable

java.lang.Object  
com.example.roombooking.models.UsersTable

```
@Entity  
public class UsersTable  
extends Object
```

### ***Constructor Summary***

#### **Constructors**

Constructor	Description
<a href="#">UsersTable()</a>	

### ***Method Summary***

#### **Methods inherited from class java.lang.Object**

[equals](#) , [getClass](#) , [hashCode](#) , [notify](#) , [notifyAll](#) , [toString](#) , [wait](#) , [wait](#) , [wait](#)

### ***Constructor Details***

#### **UsersTable**

```
public UsersTable()
```

**Package** com.example.roombooking.repositories

## Interface BookingsTableRepository

All Superinterfaces:

```
org.springframework.data.repository.CrudRepository<BookingsTable, Integer >,
org.springframework.data.jpa.repository.JpaRepository<BookingsTable, Integer >,
org.springframework.data.repository.PagingAndSortingRepository<BookingsTable, Integer >,
org.springframework.data.repository.query.QueryByExampleExecutor<BookingsTable>,
org.springframework.data.repository.Repository<BookingsTable, Integer >
```

---

```
@Repository
public interface BookingsTableRepository
extends org.springframework.data.jpa.repository.JpaRepository<BookingsTable, Integer >
```

### Method Summary

[All Methods](#)    [Instance Methods](#)    [Abstract Methods](#)

Modifier and Type	Method	Description
	<code>List &lt;BookingsTable&gt; findByBookingdate(Date bookingDate)</code>	
	<code>List &lt;BookingsTable&gt; findByBookingdateBetween(Date startDate, Date endDate)</code>	
	<code>List &lt;BookingsTable&gt; findByRoomid(int roomId)</code>	
	<code>List &lt;BookingsTable&gt; findByRoomidAndBookingdate(int roomId, Date bookingDate)</code>	
	<code>List &lt;BookingsTable&gt; findByRoomidAndStatus(int roomId, String status)</code>	
	<code>List &lt;BookingsTable&gt; findByRoomidAndUserIdAndBookingdate(int roomId, int userId, Date bookingDate)</code>	
	<code>List &lt;BookingsTable&gt; findByStatus(String status)</code>	
	<code>List &lt;BookingsTable&gt; findByUserId(int userId)</code>	
	<code>List &lt;BookingsTable&gt; findByUserIdAndBookingdate(int userId, Date bookingDate)</code>	

### Methods inherited from

#### interface org.springframework.data.repository.CrudRepository

```
count, delete, deleteAll, deleteAll, deleteAllById, deleteById, existsById, findById, save
```

### Methods inherited from

#### interface org.springframework.data.jpa.repository.JpaRepository

```
deleteAllByIdInBatch, deleteAllInBatch, deleteAllInBatch, deleteInBatch, findAll,  
findAll, findAll, findAll, findAllById, flush, getById, getOne, getReferenceById,  
saveAll, saveAllAndFlush, saveAndFlush
```

**Methods inherited from****interface org.springframework.data.repository.PagingAndSortingRepository**

```
findAll
```

**Methods inherited from****interface org.springframework.data.repository.query.QueryByExampleExecutor**

```
count, exists, findAll, findBy, findOne
```

***Method Details*****findByUserId**

```
List <BookingsTable> findByUserId(int userId)
```

**findByRoomId**

```
List <BookingsTable> findByRoomId(int roomId)
```

**findByBookingdate**

```
List <BookingsTable> findByBookingdate(Date bookingDate)
```

**findByUserIdAndBookingdate**

```
List <BookingsTable> findByUserIdAndBookingdate(int userId,  
                                              Date bookingDate)
```

**findByStatus**

```
List <BookingsTable> findByStatus(String status)
```

**findByRoomIdAndBookingdate**

```
List <BookingsTable> findByRoomIdAndBookingdate(int roomId,  
                                               Date bookingDate)
```

**findByBookingdateBetween**

```
List <BookingsTable> findByBookingdateBetween(Date startDate,  
                                              Date endDate)
```

**findByRoomidAndUserIdAndBookingdate**

```
List <BookingsTable> findByRoomidAndUserIdAndBookingdate(int roomId,  
                                                       int userId,  
                                                       Date bookingDate)
```

**findByRoomidAndStatus**

```
List <BookingsTable> findByRoomidAndStatus(int roomId,  
                                         String status)
```

Package com.example.roombooking.repositories

## Interface NotificationsTableRepository

All Superinterfaces:

```
org.springframework.data.repository.CrudRepository<NotificationsTable, Integer >,
org.springframework.data.jpa.repository.JpaRepository<NotificationsTable, Integer >,
org.springframework.data.repository.PagingAndSortingRepository<NotificationsTable,
Integer >,
org.springframework.data.repository.query.QueryByExampleExecutor<NotificationsTable>,
org.springframework.data.repository.Repository<NotificationsTable, Integer >
```

---

```
public interface NotificationsTableRepository
extends org.springframework.data.jpa.repository.JpaRepository<NotificationsTable, Integer
>
```

### Method Summary

Methods inherited from

interface org.springframework.data.repository.CrudRepository 

```
count, delete, deleteAll, deleteAll, deleteAllById, deleteById, existsById,
findById, save
```

Methods inherited from

interface org.springframework.data.jpa.repository.JpaRepository

```
deleteAllByIdInBatch, deleteAllInBatch, deleteAllInBatch, deleteInBatch, findAll,
findAll, findAll, findAll, findAllById, flush, getById, getOne, getReferenceById,
saveAll, saveAllAndFlush, saveAndFlush
```

Methods inherited from

interface org.springframework.data.repository.PagingAndSortingRepository

```
findAll
```

Methods inherited from

interface org.springframework.data.repository.query.QueryByExampleExecutor

```
count, exists, findAll, findBy, findOne
```

Package com.example.roombooking.repositories

## Interface RolesTableRepository

All Superinterfaces:

```
org.springframework.data.repository.CrudRepository<RolesTable, Integer >,
org.springframework.data.jpa.repository.JpaRepository<RolesTable, Integer >,
org.springframework.data.repository.PagingAndSortingRepository<RolesTable, Integer >,
org.springframework.data.repository.query.QueryByExampleExecutor<RolesTable>,
org.springframework.data.repository.Repository<RolesTable, Integer >
```

---

```
public interface RolesTableRepository
extends org.springframework.data.jpa.repository.JpaRepository<RolesTable, Integer >
```

### Method Summary

Methods inherited from

**interface org.springframework.data.repository.CrudRepository**

```
count, delete, deleteAll, deleteAll, deleteAllById, deleteById, existsById,
findById, save
```

Methods inherited from

**interface org.springframework.data.jpa.repository.JpaRepository**

```
deleteAllByIdInBatch, deleteAllInBatch, deleteAllInBatch, deleteInBatch, findAll,
findAll, findAll, findAll, findAllById, flush, getById, getOne, getReferenceById,
saveAll, saveAllAndFlush, saveAndFlush
```

Methods inherited from

**interface org.springframework.data.repository.PagingAndSortingRepository**

```
findAll
```

Methods inherited from

**interface org.springframework.data.repository.query.QueryByExampleExecutor**

```
count, exists, findAll, findBy, findOne
```

**Package** com.example.roombooking.repositories

## Interface RoomAmenitiesTableRepository

All Superinterfaces:

```
org.springframework.data.repository.CrudRepository<RoomAmenitiesTable, Integer >,
org.springframework.data.jpa.repository.JpaRepository<RoomAmenitiesTable, Integer >,
org.springframework.data.repository.PagingAndSortingRepository<RoomAmenitiesTable,
Integer >,
org.springframework.data.repository.query.QueryByExampleExecutor<RoomAmenitiesTable>,
org.springframework.data.repository.Repository<RoomAmenitiesTable, Integer >
```

---

```
public interface RoomAmenitiesTableRepository
extends org.springframework.data.jpa.repository.JpaRepository<RoomAmenitiesTable, Integer
>
```

### Method Summary

All Methods	Instance Methods	Abstract Methods
-------------	------------------	------------------

Modifier and Type	Method	Description
-------------------	--------	-------------

<code>List &lt;RoomAmenitiesTable&gt; findByRoomid(int roomid)</code>		
---	--	--

#### Methods inherited from

#### interface org.springframework.data.repository.CrudRepository

count, delete, deleteAll, deleteAll, deleteAllById, deleteById, existsById, findById, save
--

#### Methods inherited from

#### interface org.springframework.data.jpa.repository.JpaRepository

deleteAllByIdInBatch, deleteAllInBatch, deleteAllInBatch, deleteInBatch, findAll, findAll, findAll, findAll, findAllById, flush, getById, getOne, getReferenceById, saveAll, saveAllAndFlush, saveAndFlush
--

#### Methods inherited from

#### interface org.springframework.data.repository.PagingAndSortingRepository

findAll
---------

#### Methods inherited from

#### interface org.springframework.data.repository.query.QueryByExampleExecutor

count, exists, findAll, findBy, findOne
---

### Method Details

**findByRoomid**

```
List <RoomAmenitiesTable> findByRoomid(int roomid)
```

**Package** com.example.roombooking.repositories

## Interface RoomsTableRepository

All Superinterfaces:

```
org.springframework.data.repository.CrudRepository<RoomsTable, Integer >,
org.springframework.data.jpa.repository.JpaRepository<RoomsTable, Integer >,
org.springframework.data.repository.PagingAndSortingRepository<RoomsTable, Integer >,
org.springframework.data.repository.query.QueryByExampleExecutor<RoomsTable>,
org.springframework.data.repository.Repository<RoomsTable, Integer >
```

```
@Repository
public interface RoomsTableRepository
extends org.springframework.data.jpa.repository.JpaRepository<RoomsTable, Integer >
```

### Method Summary

[All Methods](#)    [Instance Methods](#)    [Abstract Methods](#)

Modifier and Type	Method	Description
	<code>List &lt;RoomsTable&gt; findByBlock(String block)</code>	
	<code>List &lt;RoomsTable&gt; findByCapacityGreaterThanOrEqualTo(int capacity)</code>	
	<code>List &lt;RoomsTable&gt; findByCategory(String category)</code>	
	<code>List &lt;RoomsTable&gt; findByFloor(int floor)</code>	
	<code>List &lt;RoomsTable&gt; findByStatus(String status)</code>	
	<code>List &lt;RoomsTable&gt; findBySubcategory(String subCategory)</code>	

#### Methods inherited from

#### interface org.springframework.data.repository.CrudRepository

count, delete, deleteAll, deleteAll, deleteAllById, deleteById, existsById, findById, save

#### Methods inherited from

#### interface org.springframework.data.jpa.repository.JpaRepository

deleteAllByIdInBatch, deleteAllInBatch, deleteAllInBatch, deleteInBatch, findAll, findAll, findAll, findAll, findAllById, flush, getById, getOne, getReferenceById, saveAll, saveAllAndFlush, saveAndFlush

#### Methods inherited from

#### interface org.springframework.data.repository.PagingAndSortingRepository

findAll

**Methods inherited from****interface org.springframework.data.repository.query.QueryByExampleExecutor**

count, exists, findAll, findBy, findOne

**Method Details****findByStatus**

```
List <RoomsTable> findByStatus(String status)
```

**findByCategory**

```
List <RoomsTable> findByCategory(String category)
```

**findByBlock**

```
List <RoomsTable> findByBlock(String block)
```

**findByFloor**

```
List <RoomsTable> findByFloor(int floor)
```

**findByCapacityGreaterThanOrEqualTo**

```
List <RoomsTable> findByCapacityGreaterThanOrEqualTo(int capacity)
```

**findBySubcategory**

```
List <RoomsTable> findBySubcategory(String subCategory)
```

**Package** com.example.roombooking.repositories

## Interface UsersTableRepository

All Superinterfaces:

```
org.springframework.data.repository.CrudRepository<UsersTable, Integer >,
org.springframework.data.jpa.repository.JpaRepository<UsersTable, Integer >,
org.springframework.data.repository.PagingAndSortingRepository<UsersTable, Integer >,
org.springframework.data.repository.query.QueryByExampleExecutor<UsersTable>,
org.springframework.data.repository.Repository<UsersTable, Integer >
```

```
public interface UsersTableRepository
extends org.springframework.data.jpa.repository.JpaRepository<UsersTable, Integer >
```

### Method Summary

[All Methods](#)    [Instance Methods](#)    [Abstract Methods](#)

Modifier and Type	Method	Description
Optional <UsersTable>	<code>findByEmail(String email)</code>	

#### Methods inherited from

#### interface org.springframework.data.repository.CrudRepository

```
count, delete, deleteAll, deleteAll, deleteAllById, deleteById, existsById,
findById, save
```

#### Methods inherited from

#### interface org.springframework.data.jpa.repository.JpaRepository

```
deleteAllByIdInBatch, deleteAllInBatch, deleteAllInBatch, deleteInBatch, findAll,
findAll, findAll, findAll, findById, flush, getById, getOne, getReferenceById,
saveAll, saveAllAndFlush, saveAndFlush
```

#### Methods inherited from

#### interface org.springframework.data.repository.PagingAndSortingRepository

```
findAll
```

#### Methods inherited from

#### interface org.springframework.data.repository.query.QueryByExampleExecutor

```
count, exists, findAll, findBy, findOne
```

### Method Details

**findByEmail**

```
Optional <UsersTable> findByEmail(String email)
```