

Strategic Notification & Operational Weather-watch (SNOW)

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Hierarchical Index

2.1 Class Hierarchy

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Chapter 5

Namespace Documentation

5.1 Package com.logistics.snowapi.config

Classes

- class [WebConfig](#)

5.2 Package com.logistics.snowapi.controller

Classes

- class [AlertController](#)
- class [BoundaryController](#)
- class [helloWorld](#)
- class [SnowUserController](#)
- class [UserBoundaryController](#)

5.3 Package com.logistics.snowapi.geojsonresponse

Classes

- class [Feature](#)
- class [FeatureProperties](#)
- class [GeoJsonResponse](#)

5.4 Package com.logistics.snowapi.model

Classes

- class [Alert](#)
- class [Boundary](#)
- class [SnowUser](#)
- class [SpatialRefSy](#)
- class [UgcAlert](#)
- class [UgcAlertId](#)
- class [UgcBoundary](#)
- class [UgcBoundaryId](#)
- class [UgcZone](#)
- class [UserBoundary](#)
- class [UserBoundaryId](#)

5.5 Package com.logistics.snowapi.repository

Classes

- interface [AlertRepository](#)
- interface [BoundaryRepository](#)
- interface [SnowUserRepository](#)
- interface [UgcZoneRepository](#)
- interface [UserBoundaryRepository](#)

5.6 Package com.logistics.snowapi.service

Classes

- class [AlertService](#)
- class [BoundaryService](#)
- class [NWSDDataService](#)
- class [SnowUserService](#)
- class [UgcZoneScraper](#)
- class [UgcZoneService](#)
- class [UserBoundaryService](#)
- class **AlertServiceTest**
- class **BoundaryServiceTest**
- class [SnowUserServiceTest](#)
- class **UgcZoneServiceTest**
- class **UserBoundaryServiceTest**

5.7 Package com.logistics.snowapi.ugczoneresponse

Classes

- class [UgcZoneResponse](#)

Chapter 6

Class Documentation

6.1 com.logistics.snowapi.model.Alert Class Reference

6.1.1 Detailed Description

Definition at line 16 of file Alert.java.

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/model/Alert.java](#)

6.2 com.logistics.snowapi.controller.AlertController Class Reference

Public Member Functions

- [AlertController](#) ([AlertService](#) alertService)
- List< [Alert](#) > [getAllAlerts](#) ()
- ResponseEntity< [Alert](#) > [getAlertById](#) (@PathVariable Integer id)
- [Alert](#) [createAlert](#) (@RequestBody [Alert](#) alert)
- ResponseEntity< [Alert](#) > [updateAlert](#) (@PathVariable Integer id, @RequestBody [Alert](#) alert)
- ResponseEntity< Void > [deleteAlert](#) (@PathVariable Integer id)

6.2.1 Detailed Description

Definition at line 13 of file AlertController.java.

6.2.2 Constructor & Destructor Documentation

6.2.2.1 AlertController()

```
com.logistics.snowapi.controller.AlertController.AlertController (
    AlertService alertService )
```

Definition at line 18 of file AlertController.java.

```
18
19     this.alertService = alertService;
20 }
```

6.2.3 Member Function Documentation

6.2.3.1 createAlert()

```
Alert com.logistics.snowapi.controller.AlertController.createAlert (
    @RequestBody Alert alert )
```

Definition at line 35 of file AlertController.java.

```
35
36     return alertService.createAlert(alert);
37 }
```

6.2.3.2 deleteAlert()

```
ResponseEntity<Void> com.logistics.snowapi.controller.AlertController.deleteAlert (
    @PathVariable Integer id )
```

Definition at line 50 of file AlertController.java.

```
50
51     if (alertService.findAlertById(id).isPresent()) {
52         alertService.deleteAlert(id);
53         return ResponseEntity.ok().build();
54     }
55     return ResponseEntity.notFound().build();
56 }
```

6.2.3.3 getAlertById()

```
ResponseEntity<Alert> com.logistics.snowapi.controller.AlertController.getAlertById (
    @PathVariable Integer id )
```

Definition at line 28 of file AlertController.java.

```
28
29     return alertService.findAlertById(id)
30         .map(ResponseEntity::ok)
31         .orElseGet(() -> ResponseEntity.notFound().build());
32 }
```

6.2.3.4 getAllAlerts()

```
List<Alert> com.logistics.snowapi.controller.AlertController.getAllAlerts ( )
```

Definition at line 23 of file AlertController.java.

```
23     {
24         return alertService.findAllAlerts();
25     }
```

6.2.3.5 updateAlert()

```
ResponseEntity<Alert> com.logistics.snowapi.controller.AlertController.updateAlert (
    @PathVariable Integer id,
    @RequestBody Alert alert )
```

Definition at line 40 of file AlertController.java.

```
40
41     alert.setId(id); // Ensure the ID is set to the one provided in the path
42     Alert updatedAlert = alertService.updateAlert(alert);
43     if (updatedAlert != null) {
44         return ResponseEntity.ok(updatedAlert);
45     }
46     return ResponseEntity.notFound().build();
47 }
```

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/controller/AlertController.java](#)

6.3 com.logistics.snowapi.repository.AlertRepository Interface Reference

Inheritance diagram for com.logistics.snowapi.repository.AlertRepository:

Collaboration diagram for com.logistics.snowapi.repository.AlertRepository:

Public Member Functions

- boolean [existsByNwsID](#) (String nwsID)

6.3.1 Detailed Description

Definition at line 6 of file AlertRepository.java.

6.3.2 Member Function Documentation

6.3.2.1 existsByNwsID()

```
boolean com.logistics.snowapi.repository.AlertRepository.existsByNwsID (
    String nwsID )
```

The documentation for this interface was generated from the following file:

- [src/main/java/com/logistics/snowapi/repository/AlertRepository.java](#)

6.4 com.logistics.snowapi.service.AlertService Class Reference

Public Member Functions

- [AlertService](#) ([AlertRepository](#) alertRepository)
- List< [Alert](#) > [findAllAlerts](#) ()
- Optional< [Alert](#) > [findAlertById](#) (Integer id)
- [Alert](#) [createAlert](#) ([Alert](#) alert)
- [Alert](#) [updateAlert](#) ([Alert](#) alert)
- void [deleteAlert](#) (Integer id)

6.4.1 Detailed Description

Definition at line 12 of file [AlertService.java](#).

6.4.2 Constructor & Destructor Documentation

6.4.2.1 AlertService()

```
com.logistics.snowapi.service.AlertService.AlertService (
    AlertRepository alertRepository )
```

Definition at line 17 of file [AlertService.java](#).

```
17                                     {
18         this.alertRepository = alertRepository;
19     }
```

6.4.3 Member Function Documentation

6.4.3.1 createAlert()

```
Alert com.logistics.snowapi.service.AlertService.createAlert (
    Alert alert )
```

Definition at line 29 of file AlertService.java.

```
29                                     {
30     // Make sure the alert doesn't exist before creating
31     if (alert.getNwsID() != null && !alertRepository.existsByNwsID(alert.getNwsID())) {
32         return alertRepository.save(alert);
33     }
34     return null;
35 }
```

6.4.3.2 deleteAlert()

```
void com.logistics.snowapi.service.AlertService.deleteAlert (
    Integer id )
```

Definition at line 46 of file AlertService.java.

```
46                                     {
47     alertRepository.deleteById(id);
48 }
```

6.4.3.3 findAlertById()

```
Optional<Alert> com.logistics.snowapi.service.AlertService.findAlertById (
    Integer id )
```

Definition at line 25 of file AlertService.java.

```
25                                     {
26     return alertRepository.findById(id);
27 }
```

6.4.3.4 findAllAlerts()

```
List<Alert> com.logistics.snowapi.service.AlertService.findAllAlerts ( )
```

Definition at line 21 of file AlertService.java.

```
21                                     {
22     return alertRepository.findAll();
23 }
```

6.4.3.5 updateAlert()

```
Alert com.logistics.snowapi.service.AlertService.updateAlert (
    Alert alert )
```

Definition at line 37 of file AlertService.java.

```
37      {
38          // Make sure the alert exists before updating
39          if (alert.getId() != null && alertRepository.existsById(alert.getId())) {
40              return alertRepository.save(alert);
41          }
42          // Handle the case where the alert doesn't exist (could throw an exception or return null)
43          return null;
44      }
```

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/service/AlertService.java](#)

6.5 com.logistics.snowapi.model.Boundary Class Reference

6.5.1 Detailed Description

Definition at line 15 of file Boundary.java.

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/model/Boundary.java](#)

6.6 com.logistics.snowapi.controller.BoundaryController Class Reference

Public Member Functions

- [BoundaryController](#) ([BoundaryService](#) boundaryService)
- List< [Boundary](#) > [getAllBoundaries](#) ()
- ResponseEntity< [Boundary](#) > [getBoundaryById](#) (@PathVariable Integer id)
- [Boundary](#) [createBoundary](#) (@RequestBody [Boundary](#) boundary)
- ResponseEntity< [Boundary](#) > [updateBoundary](#) (@PathVariable Integer id, @RequestBody [Boundary](#) boundary)
- ResponseEntity< Void > [deleteBoundary](#) (@PathVariable Integer id)

6.6.1 Detailed Description

Definition at line 13 of file BoundaryController.java.

6.6.2 Constructor & Destructor Documentation

6.6.2.1 BoundaryController()

```
com.logistics.snowapi.controller.BoundaryController.BoundaryController (
    BoundaryService boundaryService )
```

Definition at line 18 of file BoundaryController.java.

```
18                                     {
19         this.boundaryService = boundaryService;
20     }
```

6.6.3 Member Function Documentation

6.6.3.1 createBoundary()

```
Boundary com.logistics.snowapi.controller.BoundaryController.createBoundary (
    @RequestBody Boundary boundary )
```

Definition at line 35 of file BoundaryController.java.

```
35                                     {
36         return boundaryService.createBoundary(boundary);
37     }
```

6.6.3.2 deleteBoundary()

```
ResponseEntity<Void> com.logistics.snowapi.controller.BoundaryController.deleteBoundary (
    @PathVariable Integer id )
```

Definition at line 50 of file BoundaryController.java.

```
50                                     {
51         if (boundaryService.findBoundaryById(id).isPresent()) {
52             boundaryService.deleteBoundary(id);
53             return ResponseEntity.ok().build();
54         }
55         return ResponseEntity.notFound().build();
56     }
```

6.6.3.3 getAllBoundaries()

```
List<Boundary> com.logistics.snowapi.controller.BoundaryController.getAllBoundaries ( )
```

Definition at line 23 of file BoundaryController.java.

```
23                                     {
24         return boundaryService.findAllBoundaries();
25     }
```

6.6.3.4 getBoundaryById()

```
ResponseEntity<Boundary> com.logistics.snowapi.controller.BoundaryController.getBoundaryById (
    @PathVariable Integer id )
```

Definition at line 28 of file BoundaryController.java.

```
28
29     return boundaryService.findBoundaryById(id)
30         .map(ResponseEntity::ok)
31         .orElseGet(() -> ResponseEntity.notFound().build());
32 }
```

6.6.3.5 updateBoundary()

```
ResponseEntity<Boundary> com.logistics.snowapi.controller.BoundaryController.updateBoundary (
    @PathVariable Integer id,
    @RequestBody Boundary boundary )
```

Definition at line 40 of file BoundaryController.java.

```
40
41     {
42         boundary.setId(id); // Set the ID from the path to ensure consistency
43         Boundary updatedBoundary = boundaryService.updateBoundary(boundary);
44         if (updatedBoundary != null) {
45             return ResponseEntity.ok(updatedBoundary);
46         }
47         return ResponseEntity.notFound().build();
48     }
```

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/controller/BoundaryController.java](#)

6.7 com.logistics.snowapi.repository.BoundaryRepository Interface Reference

Inheritance diagram for com.logistics.snowapi.repository.BoundaryRepository:

Collaboration diagram for com.logistics.snowapi.repository.BoundaryRepository:

6.7.1 Detailed Description

Definition at line 6 of file BoundaryRepository.java.

The documentation for this interface was generated from the following file:

- [src/main/java/com/logistics/snowapi/repository/BoundaryRepository.java](#)

6.8 com.logistics.snowapi.service.BoundaryService Class Reference

Public Member Functions

- [BoundaryService](#) ([BoundaryRepository](#) boundaryRepository)
- List< [Boundary](#) > [findAllBoundaries](#) ()
- Optional< [Boundary](#) > [findBoundaryById](#) (Integer id)
- [Boundary](#) [createBoundary](#) ([Boundary](#) boundary)
- [Boundary](#) [updateBoundary](#) ([Boundary](#) boundary)
- void [deleteBoundary](#) (Integer id)

6.8.1 Detailed Description

Definition at line 12 of file BoundaryService.java.

6.8.2 Constructor & Destructor Documentation

6.8.2.1 BoundaryService()

```
com.logistics.snowapi.service.BoundaryService.BoundaryService (
    BoundaryRepository boundaryRepository )
```

Definition at line 17 of file BoundaryService.java.

```
17                                     {
18         this.boundaryRepository = boundaryRepository;
19     }
```

6.8.3 Member Function Documentation

6.8.3.1 createBoundary()

```
Boundary com.logistics.snowapi.service.BoundaryService.createBoundary (
    Boundary boundary )
```

Definition at line 29 of file BoundaryService.java.

```
29                                     {
30         return boundaryRepository.save (boundary);
31     }
```

6.8.3.2 deleteBoundary()

```
void com.logistics.snowapi.service.BoundaryService.deleteBoundary (
    Integer id )
```

Definition at line 41 of file BoundaryService.java.

```
41
42     boundaryRepository.deleteById(id);
43 }
```

6.8.3.3 findAllBoundaries()

```
List<Boundary> com.logistics.snowapi.service.BoundaryService.findAllBoundaries ( )
```

Definition at line 21 of file BoundaryService.java.

```
21
22     return boundaryRepository.findAll();
23 }
```

6.8.3.4 findBoundaryById()

```
Optional<Boundary> com.logistics.snowapi.service.BoundaryService.findBoundaryById (
    Integer id )
```

Definition at line 25 of file BoundaryService.java.

```
25
26     return boundaryRepository.findById(id);
27 }
```

6.8.3.5 updateBoundary()

```
Boundary com.logistics.snowapi.service.BoundaryService.updateBoundary (
    Boundary boundary )
```

Definition at line 33 of file BoundaryService.java.

```
33
34     if (boundary.getId() != null && boundaryRepository.existsById(boundary.getId())) {
35         return boundaryRepository.save(boundary);
36     }
37     // Handle the case where the boundary does not exist
38     return null;
39 }
```

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/service/BoundaryService.java](#)

6.9 com.logistics.snowapi.geojsonresponse.Feature Class Reference

Public Member Functions

- String [toString\(\)](#)
- [Alert](#) [getFeatureAsAlert\(\)](#)

6.9.1 Detailed Description

Definition at line 12 of file Feature.java.

6.9.2 Member Function Documentation

6.9.2.1 getFeatureAsAlert()

[Alert](#) com.logistics.snowapi.geojsonresponse.Feature.getFeatureAsAlert ()

Definition at line 30 of file Feature.java.

```
30         {
31             Alert alert = new Alert();
32             alert.setEvent(properties.getEvent());
33             alert.setOnset(properties.getOnset());
34             alert.setExpires(properties.getExpires());
35             alert.setHeadline(properties.getHeadline());
36             alert.setDescription(properties.getDescription());
37             alert.setNwsID(this.id);
38
39             return alert;
40         }
```

6.9.2.2 toString()

String com.logistics.snowapi.geojsonresponse.Feature.toString ()

Definition at line 19 of file Feature.java.

```
19         {
20             return String.format("id: %s" +
21                                 "\nevent: %s" +
22                                 "\nheadline: %s" +
23                                 "\nonset: %s" +
24                                 "\nexpires: %s" +
25                                 "\naffected-zones: %s" +
26                                 "\ndescription: %s",
27                                 this.id, properties.getEvent(), properties.getHeadline(), properties.getOnset(),
28                                 properties.getExpires(), properties.getUgcCodeAddress(), properties.getDescription());
29         }
```

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/geojsonresponse/Feature.java](#)

6.10 com.logistics.snowapi.geojsonresponse.FeatureProperties Class Reference

6.10.1 Detailed Description

Definition at line 15 of file FeatureProperties.java.

The documentation for this class was generated from the following file:

- src/main/java/com/logistics/snowapi/geojsonresponse/[FeatureProperties.java](#)

6.11 com.logistics.snowapi.geojsonresponse.GeoJsonResponse Class Reference

6.11.1 Detailed Description

Definition at line 12 of file GeoJsonResponse.java.

The documentation for this class was generated from the following file:

- src/main/java/com/logistics/snowapi/geojsonresponse/[GeoJsonResponse.java](#)

6.12 com.logistics.snowapi.controller.helloWorld Class Reference

Public Member Functions

- String [sayHello](#) ()

6.12.1 Detailed Description

Definition at line 8 of file helloWorld.java.

6.12.2 Member Function Documentation

6.12.2.1 sayHello()

```
String com.logistics.snowapi.controller.helloWorld.sayHello ( )
```

Definition at line 11 of file helloWorld.java.

```
11     {  
12         return "Hello world from Backend";  
13     }
```

The documentation for this class was generated from the following file:

- src/main/java/com/logistics/snowapi/controller/[helloWorld.java](#)

6.13 com.logistics.snowapi.service.NWSDataService Class Reference

Public Member Functions

- [NWSDataService](#) (RestTemplateBuilder restTemplateBuilder, ObjectMapper objectMapper, [AlertService](#) alertService, [UgcZoneScraper](#) ugcZoneScraper)
- void [fetchWeatherData](#) ()

Scheduled task that periodically fetches weather data from the National Weather Service (NWS) API every 60 seconds.

6.13.1 Detailed Description

Definition at line 20 of file NWSDataService.java.

6.13.2 Constructor & Destructor Documentation

6.13.2.1 NWSDataService()

```
com.logistics.snowapi.service.NWSDataService.NWSDataService (
    RestTemplateBuilder restTemplateBuilder,
    ObjectMapper objectMapper,
    AlertService alertService,
    UgcZoneScraper ugcZoneScraper )
```

Definition at line 30 of file NWSDataService.java.

```
30
31         {
32             this.restTemplate = restTemplateBuilder.build();
33             this.objectMapper = objectMapper;
34             this.alertService = alertService;
35             this.ugcZoneScraper = ugcZoneScraper;
36         }
```

6.13.3 Member Function Documentation

6.13.3.1 fetchWeatherData()

```
void com.logistics.snowapi.service.NWSDataService.fetchWeatherData ( )
```

Scheduled task that periodically fetches weather data from the National Weather Service (NWS) API every 60 seconds.

This method performs an HTTP GET request to the specified NWS API endpoint, retrieves weather alert data in GeoJSON format, and then maps this data to a GeoJsonResponse object. The mapped data is subsequently processed to extract individual alerts and their related information, which are then persisted in the database.

This method is annotated with
`@Scheduled`

, indicating that it is automatically run by the Spring framework at fixed intervals (every 60 seconds in this case), making it a self-contained scheduled task for weather data retrieval.

Definition at line 47 of file NWSDataService.java.

```

47         {
48             try {
49                 // GET request from NWS api
50                 ResponseEntity<String> response = restTemplate.getForEntity(url, String.class);
51                 // Maps the response into a POJO containing all the alert data.
52                 GeoJsonResponse geoJsonResponse = objectMapper.readValue(response.getBody(),
                    GeoJsonResponse.class);
53                 processGeoJsonResponse(geoJsonResponse);
54             }
55             catch (RestClientException e) {
56                 System.out.printf("Failed to reach address: %s, Error: %s\n", url, e.getMessage());
57                 e.printStackTrace();
58             }
59             catch (IOException e) {
60                 System.out.printf("Failed to parse response for address: %s\n", url);
61                 e.printStackTrace();
62             }
63         }

```

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/service/NWSDataService.java](#)

6.14 com.logistics.snowapi.ServletInitializer Class Reference

Inheritance diagram for com.logistics.snowapi.ServletInitializer:

6.15 com.logistics.snowapi.SnowApiApplication Class Reference

Static Public Member Functions

- static void [main](#) (String[] args)

6.15.1 Detailed Description

Definition at line 9 of file SnowApiApplication.java.

6.15.2 Member Function Documentation

6.15.2.1 main()

```
static void com.logistics.snowapi.SnowApiApplication.main (  
    String[] args ) [static]
```

Definition at line 11 of file SnowApiApplication.java.

```
11      {  
12          SpringApplication.run(SnowApiApplication.class, args);  
13      }
```

The documentation for this class was generated from the following file:

- src/main/java/com/logistics/snowapi/[SnowApiApplication.java](#)

6.16 com.logistics.snowapi.model.SnowUser Class Reference

6.16.1 Detailed Description

Definition at line 15 of file SnowUser.java.

The documentation for this class was generated from the following file:

- src/main/java/com/logistics/snowapi/model/[SnowUser.java](#)

6.17 com.logistics.snowapi.controller.SnowUserController Class Reference

Public Member Functions

- [SnowUserController](#) ([SnowUserService](#) userService)
- List< [SnowUser](#) > [getAllUsers](#) ()
- ResponseEntity< [SnowUser](#) > [getUserById](#) (@PathVariable Integer id)
- [SnowUser](#) [createUser](#) (@RequestBody [SnowUser](#) user)
- ResponseEntity< [SnowUser](#) > [updateUser](#) (@PathVariable Integer id, @RequestBody [SnowUser](#) user)
- ResponseEntity< Object > [deleteUser](#) (@PathVariable Integer id)

6.17.1 Detailed Description

Definition at line 13 of file SnowUserController.java.

6.17.2 Constructor & Destructor Documentation

6.17.2.1 SnowUserController()

```
com.logistics.snowapi.controller.SnowUserController.SnowUserController (
    SnowUserService userService )
```

Definition at line 18 of file SnowUserController.java.

```
18                                     {
19         this.userService = userService;
20     }
```

6.17.3 Member Function Documentation

6.17.3.1 createUser()

```
SnowUser com.logistics.snowapi.controller.SnowUserController.createUser (
    @RequestBody SnowUser user )
```

Definition at line 35 of file SnowUserController.java.

```
35                                     {
36         return userService.createUser(user);
37     }
```

6.17.3.2 deleteUser()

```
ResponseEntity<Object> com.logistics.snowapi.controller.SnowUserController.deleteUser (
    @PathVariable Integer id )
```

Definition at line 50 of file SnowUserController.java.

```
50                                     {
51         return userService.findUserById(id)
52             .map(user -> {
53                 userService.deleteUser(id);
54                 return ResponseEntity.<Void>ok().build();
55             })
56             .orElseGet(() -> ResponseEntity.notFound().build());
57     }
```

6.17.3.3 getAllUsers()

```
List<SnowUser> com.logistics.snowapi.controller.SnowUserController.getAllUsers ( )
```

Definition at line 23 of file SnowUserController.java.

```
23                                     {
24         return userService.findAllUsers();
25     }
```

6.17.3.4 getUserById()

```
ResponseEntity<SnowUser> com.logistics.snowapi.controller.SnowUserController.getUserById (
    @PathVariable Integer id )
```

Definition at line 28 of file SnowUserController.java.

```
28
29     return userService.findUserById(id)
30         .map(ResponseEntity::ok)
31         .orElseGet(() -> ResponseEntity.notFound().build());
32 }
```

6.17.3.5 updateUser()

```
ResponseEntity<SnowUser> com.logistics.snowapi.controller.SnowUserController.updateUser (
    @PathVariable Integer id,
    @RequestBody SnowUser user )
```

Definition at line 40 of file SnowUserController.java.

```
40
41     return userService.findUserById(id)
42         .map(existingUser -> {
43             user.setId(id);
44             return ResponseEntity.ok(userService.updateUser(user));
45         })
46         .orElseGet(() -> ResponseEntity.notFound().build());
47 }
```

The documentation for this class was generated from the following file:

- src/main/java/com/logistics/snowapi/controller/[SnowUserController.java](#)

6.18 com.logistics.snowapi.repository.SnowUserRepository Interface Reference

Inheritance diagram for com.logistics.snowapi.repository.SnowUserRepository:

Collaboration diagram for com.logistics.snowapi.repository.SnowUserRepository:

6.18.1 Detailed Description

Definition at line 6 of file SnowUserRepository.java.

The documentation for this interface was generated from the following file:

- src/main/java/com/logistics/snowapi/repository/[SnowUserRepository.java](#)

6.19 com.logistics.snowapi.service.SnowUserService Class Reference

Public Member Functions

- [SnowUserService](#) ([SnowUserRepository](#) userRepository)
- List< [SnowUser](#) > [findAllUsers](#) ()
- Optional< [SnowUser](#) > [findUserById](#) (Integer id)
- [SnowUser](#) [createUser](#) ([SnowUser](#) user)
- [SnowUser](#) [updateUser](#) ([SnowUser](#) user)
- void [deleteUser](#) (Integer id)

6.19.1 Detailed Description

Definition at line 12 of file SnowUserService.java.

6.19.2 Constructor & Destructor Documentation

6.19.2.1 SnowUserService()

```
com.logistics.snowapi.service.SnowUserService.SnowUserService (
    SnowUserRepository userRepository )
```

Definition at line 17 of file SnowUserService.java.

```
17                                     {
18         this.userRepository = userRepository;
19     }
```

6.19.3 Member Function Documentation

6.19.3.1 createUser()

```
SnowUser com.logistics.snowapi.service.SnowUserService.createUser (
    SnowUser user )
```

Definition at line 29 of file SnowUserService.java.

```
29                                     {
30         return userRepository.save(user);
31     }
```

6.19.3.2 deleteUser()

```
void com.logistics.snowapi.service.SnowUserService.deleteUser (
    Integer id )
```

Definition at line 38 of file SnowUserService.java.

```
38      {
39          userRepository.deleteById(id);
40      }
```

6.19.3.3 findAllUsers()

```
List<SnowUser> com.logistics.snowapi.service.SnowUserService.findAllUsers ( )
```

Definition at line 21 of file SnowUserService.java.

```
21      {
22          return userRepository.findAll();
23      }
```

6.19.3.4 findUserById()

```
Optional<SnowUser> com.logistics.snowapi.service.SnowUserService.findUserById (
    Integer id )
```

Definition at line 25 of file SnowUserService.java.

```
25      {
26          return userRepository.findById(id);
27      }
```

6.19.3.5 updateUser()

```
SnowUser com.logistics.snowapi.service.SnowUserService.updateUser (
    SnowUser user )
```

Definition at line 33 of file SnowUserService.java.

```
33      {
34          // Ensure the user exists, handle appropriately if not
35          return userRepository.save(user);
36      }
```

The documentation for this class was generated from the following file:

- src/main/java/com/logistics/snowapi/service/[SnowUserService.java](#)

6.20 com.logistics.snowapi.service.SnowUserServiceTest Class Reference

Public Member Functions

- void [testCreateUser](#) ()
- void [testDeleteUser](#) ()

6.20.1 Detailed Description

Definition at line 18 of file SnowUserServiceTest.java.

6.20.2 Member Function Documentation

6.20.2.1 testCreateUser()

```
void com.logistics.snowapi.service.SnowUserServiceTest.testCreateUser ( )
```

Definition at line 27 of file SnowUserServiceTest.java.

```
27     {
28         SnowUser newUser = new SnowUser();
29         newUser.setId(1); // Assuming ID is set after saving
30
31         when(userRepository.save(any(SnowUser.class))).thenReturn(newUser);
32
33         SnowUser createdUser = userService.createUser(new SnowUser());
34         assertThat(createdUser.getId()).isEqualTo(1);
35
36         verify(userRepository, times(1)).save(any(SnowUser.class));
37     }
```

6.20.2.2 testDeleteUser()

```
void com.logistics.snowapi.service.SnowUserServiceTest.testDeleteUser ( )
```

Definition at line 40 of file SnowUserServiceTest.java.

```
40     {
41         Integer userId = 1;
42         SnowUser existingUser = new SnowUser();
43         existingUser.setId(userId);
44
45         when(userRepository.findById(userId)).thenReturn(Optional.of(existingUser));
46         doNothing().when(userRepository).deleteById(userId);
47
48         userService.deleteUser(userId);
49
50         verify(userRepository, times(1)).deleteById(userId);
51     }
```

The documentation for this class was generated from the following file:

- [src/test/java/com/logistics/snowapi/service/SnowUserServiceTest.java](#)

6.21 com.logistics.snowapi.model.SpatialRefSy Class Reference

6.21.1 Detailed Description

Definition at line 11 of file SpatialRefSy.java.

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/model/SpatialRefSy.java](#)

6.22 com.logistics.snowapi.model.UgcAlert Class Reference

6.22.1 Detailed Description

Definition at line 11 of file UgcAlert.java.

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/model/UgcAlert.java](#)

6.23 com.logistics.snowapi.model.UgcAlertId Class Reference

Inheritance diagram for com.logistics.snowapi.model.UgcAlertId:

Collaboration diagram for com.logistics.snowapi.model.UgcAlertId:

Public Member Functions

- boolean [equals](#) (Object o)
- int [hashCode](#) ()

6.23.1 Detailed Description

Definition at line 14 of file UgcAlertId.java.

6.23.2 Member Function Documentation

6.23.2.1 equals()

```
boolean com.logistics.snowapi.model.UgcAlertId.equals (  
    Object o )
```

Definition at line 23 of file UgcAlertId.java.

```
23     {  
24         if (this == o) return true;  
25         if (o == null || Hibernate.getClass(this) != Hibernate.getClass(o)) return false;  
26         UgcAlertId entity = (UgcAlertId) o;  
27         return Objects.equals(this.ugcCode, entity.ugcCode) &&  
28             Objects.equals(this.alertId, entity.alertId);  
29     }
```

6.23.2.2 hashCode()

```
int com.logistics.snowapi.model.UgcAlertId.hashCode ( )
```

Definition at line 32 of file UgcAlertId.java.

```
32         {  
33             return Objects.hash(ugcCode, alertId);  
34         }
```

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/model/UgcAlertId.java](#)

6.24 com.logistics.snowapi.model.UgcBoundary Class Reference

6.24.1 Detailed Description

Definition at line 11 of file UgcBoundary.java.

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/model/UgcBoundary.java](#)

6.25 com.logistics.snowapi.model.UgcBoundaryId Class Reference

Inheritance diagram for com.logistics.snowapi.model.UgcBoundaryId:

Collaboration diagram for com.logistics.snowapi.model.UgcBoundaryId:

Public Member Functions

- boolean [equals](#) (Object o)
- int [hashCode](#) ()

6.25.1 Detailed Description

Definition at line 14 of file UgcBoundaryId.java.

6.25.2 Member Function Documentation

6.25.2.1 equals()

```
boolean com.logistics.snowapi.model.UgcBoundaryId.equals (
    Object o )
```

Definition at line 23 of file UgcBoundaryId.java.

```
23         {
24             if (this == o) return true;
25             if (o == null || Hibernate.getClass(this) != Hibernate.getClass(o)) return false;
26             UgcBoundaryId entity = (UgcBoundaryId) o;
27             return Objects.equals(this.ugcCode, entity.ugcCode) &&
28                    Objects.equals(this.boundaryId, entity.boundaryId);
29         }
```

6.25.2.2 hashCode()

```
int com.logistics.snowapi.model.UgcBoundaryId.hashCode ( )
```

Definition at line 32 of file UgcBoundaryId.java.

```
32         {
33             return Objects.hash(ugcCode, boundaryId);
34         }
```

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/model/UgcBoundaryId.java](#)

6.26 com.logistics.snowapi.model.UgcZone Class Reference

6.26.1 Detailed Description

Definition at line 16 of file UgcZone.java.

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/model/UgcZone.java](#)

6.27 com.logistics.snowapi.repository.UgcZoneRepository Interface Reference

Inheritance diagram for com.logistics.snowapi.repository.UgcZoneRepository:

Collaboration diagram for com.logistics.snowapi.repository.UgcZoneRepository:

Public Member Functions

- boolean [existsByUgcCode](#) (String ugcCode)
- Optional< [UgcZone](#) > [findByUgcCode](#) (String ugcCode)
- void [deleteByUgcCode](#) (String ugcCode)

6.27.1 Detailed Description

Definition at line 8 of file UgcZoneRepository.java.

6.27.2 Member Function Documentation

6.27.2.1 deleteByUgcCode()

```
void com.logistics.snowapi.repository.UgcZoneRepository.deleteByUgcCode (
    String ugcCode )
```

6.27.2.2 existsByUgcCode()

```
boolean com.logistics.snowapi.repository.UgcZoneRepository.existsByUgcCode (
    String ugcCode )
```

6.27.2.3 findByUgcCode()

```
Optional<UgcZone> com.logistics.snowapi.repository.UgcZoneRepository.findByUgcCode (
    String ugcCode )
```

The documentation for this interface was generated from the following file:

- [src/main/java/com/logistics/snowapi/repository/UgcZoneRepository.java](#)

6.28 com.logistics.snowapi.ugczonerresponse.UgcZoneResponse Class Reference

6.28.1 Detailed Description

Definition at line 19 of file UgcZoneResponse.java.

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/ugczonerresponse/UgcZoneResponse.java](#)

6.29 com.logistics.snowapi.service.UgcZoneScraper Class Reference

Public Member Functions

- [UgcZoneScraper](#) ([RestTemplateBuilder](#) restTemplateBuilder, [UgcZoneRepository](#) ugcZoneRepository, [UgcZoneService](#) ugcZoneService, [ObjectMapper](#) objectMapper)
- void [scrape](#) ([ArrayList](#)< [String](#) > ugcCodeAddresses)

Processes a list of URLs corresponding to UGC (Universal Geographic Code) Zones by checking if their associated data already exists within the database.

6.29.1 Detailed Description

Definition at line 18 of file `UgcZoneScraper.java`.

6.29.2 Constructor & Destructor Documentation

6.29.2.1 UgcZoneScraper()

```
com.logistics.snowapi.service.UgcZoneScraper.UgcZoneScraper (
    RestTemplateBuilder restTemplateBuilder,
    UgcZoneRepository ugcZoneRepository,
    UgcZoneService ugcZoneService,
    ObjectMapper objectMapper )
```

Definition at line 25 of file `UgcZoneScraper.java`.

```
25
26         this.restTemplate = restTemplateBuilder.build();
27         this.ugcZoneRepository = ugcZoneRepository;
28         this.ugcZoneService = ugcZoneService;
29         this.objectMapper = objectMapper;
30     }
```

6.29.3 Member Function Documentation

6.29.3.1 scrape()

```
void com.logistics.snowapi.service.UgcZoneScraper.scrape (
    ArrayList< String > ugcCodeAddresses )
```

Processes a list of URLs corresponding to UGC (Universal Geographic Code) Zones by checking if their associated data already exists within the database.

For each URL whose data is not already present, this method performs a GET request to retrieve geographic and zone information from the National Weather Service (NWS). The response is then parsed, transformed into a UGC Zone entity, and persisted in the database.

Parameters

<i>ugcCodeAddresses</i>	A ArrayList<String> containing the URLs for UGC Zone data retrieval. Each URL is expected to end with a 6-character UGC code that uniquely identifies a geographic zone.
-------------------------	--

Exceptions

<i>RestClientException</i>	If there is an issue with the RESTful request, including connection problems or errors returned by the target server.
<i>IOException</i>	If there is an error parsing the response from the GET request into a <i>UgcZoneResponse</i> object.

Definition at line 45 of file *UgcZoneScraper.java*.

```

45                                     {
46         for (String address : ugcCodeAddresses){
47             String ugcCode = address.substring(address.length() - 6);
48             if (!ugcZoneRepository.existsByUgcCode(ugcCode)) {
49                 // Performs a GET call on the UGCZone address.
50                 // Maps response to POJO
51                 // Creates UGCZone from POJO and stores in database
52                 try {
53                     ResponseEntity<String> response = restTemplate.getForEntity(address, String.class);
54                     UgcZoneResponse ugcZoneResponse = objectMapper.readValue(response.getBody(),
55                                     UgcZoneResponse.class);
56                     UgcZone ugcZone = createUgcZoneFromUgcZoneResponse(ugcCode, address,
57                                     ugcZoneResponse);
58                     ugcZoneService.createUgcZone(ugcZone);
59                 }
60                 catch (RestClientException e) {
61                     System.out.printf("Failed to reach address: %s, UGC: %s, Error: %s", address,
62                                     ugcCode, e.getMessage());
63                     e.printStackTrace();
64                 }
65                 catch (IOException e) {
66                     System.out.printf("Failed to parse response for address: %s, UGC Code: %s", address,
67                                     ugcCode);
68                     e.printStackTrace();
69                 }
70             }
71         }
72     }

```

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/service/UgcZoneScraper.java](#)

6.30 com.logistics.snowapi.service.UgcZoneService Class Reference

Public Member Functions

- [UgcZoneService](#) ([UgcZoneRepository](#) ugcZoneRepository)
- List< [UgcZone](#) > [findAllUgcZones](#) ()
- Optional< [UgcZone](#) > [findUgcZoneByUgcCode](#) (String ugcCode)
- [UgcZone](#) [createUgcZone](#) ([UgcZone](#) ugcZone)
- [UgcZone](#) [updateUgcZone](#) ([UgcZone](#) ugcZone)
- void [deleteUgcZoneByUgcCode](#) (String ugcCode)

6.30.1 Detailed Description

Definition at line 13 of file UgcZoneService.java.

6.30.2 Constructor & Destructor Documentation

6.30.2.1 UgcZoneService()

```
com.logistics.snowapi.service.UgcZoneService.UgcZoneService (
    UgcZoneRepository ugcZoneRepository )
```

Definition at line 18 of file UgcZoneService.java.

```
18                                     {
19         this.ugcZoneRepository = ugcZoneRepository;
20     }
```

6.30.3 Member Function Documentation

6.30.3.1 createUgcZone()

```
UgcZone com.logistics.snowapi.service.UgcZoneService.createUgcZone (
    UgcZone ugcZone )
```

Definition at line 30 of file UgcZoneService.java.

```
30                                     {
31         return ugcZoneRepository.save(ugcZone);
32     }
```

6.30.3.2 deleteUgcZoneByUgcCode()

```
void com.logistics.snowapi.service.UgcZoneService.deleteUgcZoneByUgcCode (
    String ugcCode )
```

Definition at line 43 of file UgcZoneService.java.

```
43                                     {
44         ugcZoneRepository.deleteByUgcCode(ugcCode);
45     }
```

6.30.3.3 findAllUgcZones()

```
List<UgcZone> com.logistics.snowapi.service.UgcZoneService.findAllUgcZones ( )
```

Definition at line 22 of file UgcZoneService.java.

```
22
23     return ugcZoneRepository.findAll();
24 }
```

6.30.3.4 findUgcZoneByUgcCode()

```
Optional<UgcZone> com.logistics.snowapi.service.UgcZoneService.findUgcZoneByUgcCode (
    String ugcCode )
```

Definition at line 26 of file UgcZoneService.java.

```
26
27     return ugcZoneRepository.findByUgcCode(ugcCode);
28 }
```

6.30.3.5 updateUgcZone()

```
UgcZone com.logistics.snowapi.service.UgcZoneService.updateUgcZone (
    UgcZone ugcZone )
```

Definition at line 34 of file UgcZoneService.java.

```
34
35     // Make sure the UGC Zone exists before updating
36     if (ugcZone.getUgcCode() != null && ugcZoneRepository.existsByUgcCode(ugcZone.getUgcCode())) {
37         return ugcZoneRepository.save(ugcZone);
38     }
39     // Handle the case where the UGC Zone doesn't exist (could throw an exception or return null)
40     return null;
41 }
```

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/service/UgcZoneService.java](#)

6.31 com.logistics.snowapi.model.UserBoundary Class Reference

6.31.1 Detailed Description

Definition at line 11 of file UserBoundary.java.

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/model/UserBoundary.java](#)

6.32 com.logistics.snowapi.controller.UserBoundaryController Class Reference

Public Member Functions

- [UserBoundaryController](#) ([UserBoundaryService](#) userBoundaryService)
- List< [UserBoundary](#) > [getAll](#) ()
- ResponseEntity< [UserBoundary](#) > [getById](#) (@PathVariable Long userId, @PathVariable Long boundaryId)
- [UserBoundary](#) [create](#) (@RequestBody [UserBoundary](#) userBoundary)
- ResponseEntity< Void > [delete](#) (@PathVariable Long userId, @PathVariable Long boundaryId)

6.32.1 Detailed Description

Definition at line 14 of file UserBoundaryController.java.

6.32.2 Constructor & Destructor Documentation

6.32.2.1 UserBoundaryController()

```
com.logistics.snowapi.controller.UserBoundaryController.UserBoundaryController (
    UserBoundaryService userBoundaryService )
```

Definition at line 19 of file UserBoundaryController.java.

```
19                                     {
20         this.userBoundaryService = userBoundaryService;
21     }
```

6.32.3 Member Function Documentation

6.32.3.1 create()

```
UserBoundary com.logistics.snowapi.controller.UserBoundaryController.create (
    @RequestBody UserBoundary userBoundary )
```

Definition at line 36 of file UserBoundaryController.java.

```
36                                     {
37         return userBoundaryService.save(userBoundary);
38     }
```

6.32.3.2 delete()

```
ResponseEntity<Void> com.logistics.snowapi.controller.UserBoundaryController.delete (
    @PathVariable Long userId,
    @PathVariable Long boundaryId )
```

Definition at line 41 of file UserBoundaryController.java.

```
41
42     UserBoundaryId id = new UserBoundaryId(userId, boundaryId);
43     if (userBoundaryService.findById(id).isPresent()) {
44         userBoundaryService.delete(id);
45         return ResponseEntity.ok().build();
46     }
47     return ResponseEntity.notFound().build();
48 }
```

6.32.3.3 getAll()

```
List<UserBoundary> com.logistics.snowapi.controller.UserBoundaryController.getAll ( )
```

Definition at line 24 of file UserBoundaryController.java.

```
24     {
25         return userBoundaryService.findAll();
26     }
```

6.32.3.4 getById()

```
ResponseEntity<UserBoundary> com.logistics.snowapi.controller.UserBoundaryController.getById (
    @PathVariable Long userId,
    @PathVariable Long boundaryId )
```

Definition at line 29 of file UserBoundaryController.java.

```
29     {
30         return userBoundaryService.findById(new UserBoundaryId(userId, boundaryId))
31             .map(ResponseEntity::ok)
32             .orElseGet(() -> ResponseEntity.notFound().build());
33     }
```

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/controller/UserBoundaryController.java](#)

6.33 com.logistics.snowapi.model.UserBoundaryId Class Reference

Inheritance diagram for com.logistics.snowapi.model.UserBoundaryId:

Collaboration diagram for com.logistics.snowapi.model.UserBoundaryId:

Public Member Functions

- [UserBoundaryId](#) (Long userId, Long boundaryId)
- [UserBoundaryId](#) ()
- boolean [equals](#) (Object o)
- int [hashCode](#) ()

6.33.1 Detailed Description

Definition at line 14 of file UserBoundaryId.java.

6.33.2 Constructor & Destructor Documentation

6.33.2.1 UserBoundaryId() [1/2]

```
com.logistics.snowapi.model.UserBoundaryId.UserBoundaryId (  
    Long userId,  
    Long boundaryId )
```

Definition at line 23 of file UserBoundaryId.java.

```
23     {  
24     }
```

6.33.2.2 UserBoundaryId() [2/2]

```
com.logistics.snowapi.model.UserBoundaryId.UserBoundaryId ( )
```

Definition at line 26 of file UserBoundaryId.java.

```
26     {  
27     }  
28     }
```

6.33.3 Member Function Documentation

6.33.3.1 equals()

```
boolean com.logistics.snowapi.model.UserBoundaryId.equals (  
    Object o )
```

Definition at line 31 of file UserBoundaryId.java.

```
31     {  
32         if (this == o) return true;  
33         if (o == null || Hibernate.getClass(this) != Hibernate.getClass(o)) return false;  
34         UserBoundaryId entity = (UserBoundaryId) o;  
35         return Objects.equals(this.boundaryId, entity.boundaryId) &&  
36             Objects.equals(this.userId, entity.userId);  
37     }
```

6.33.3.2 hashCode()

```
int com.logistics.snowapi.model.UserBoundaryId.hashCode ( )
```

Definition at line 40 of file UserBoundaryId.java.

```
40     {  
41         return Objects.hash(boundaryId, userId);  
42     }
```

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/model/UserBoundaryId.java](#)

6.34 com.logistics.snowapi.repository.UserBoundaryRepository Interface Reference

Inheritance diagram for com.logistics.snowapi.repository.UserBoundaryRepository:

Collaboration diagram for com.logistics.snowapi.repository.UserBoundaryRepository:

6.34.1 Detailed Description

Definition at line 7 of file UserBoundaryRepository.java.

The documentation for this interface was generated from the following file:

- [src/main/java/com/logistics/snowapi/repository/UserBoundaryRepository.java](#)

6.35 com.logistics.snowapi.service.UserBoundaryService Class Reference

Public Member Functions

- [UserBoundaryService](#) ([UserBoundaryRepository](#) userBoundaryRepository)
- List< [UserBoundary](#) > [findAll](#) ()
- Optional< [UserBoundary](#) > [findById](#) ([UserBoundaryId](#) id)
- [UserBoundary](#) [save](#) ([UserBoundary](#) userBoundary)
- void [delete](#) ([UserBoundaryId](#) id)
- [UserBoundary](#) [createUserBoundary](#) ([UserBoundary](#) userBoundary)

6.35.1 Detailed Description

Definition at line 13 of file UserBoundaryService.java.

6.35.2 Constructor & Destructor Documentation

6.35.2.1 UserBoundaryService()

```
com.logistics.snowapi.service.UserBoundaryService.UserBoundaryService (
    UserBoundaryRepository userBoundaryRepository )
```

Definition at line 18 of file UserBoundaryService.java.

```
18                                     {
19         this.userBoundaryRepository = userBoundaryRepository;
20     }
```

6.35.3 Member Function Documentation

6.35.3.1 createUserBoundary()

```
UserBoundary com.logistics.snowapi.service.UserBoundaryService.createUserBoundary (
    UserBoundary userBoundary )
```

Definition at line 38 of file UserBoundaryService.java.

```
38                                     {
39         return save(userBoundary);
40     }
```

6.35.3.2 delete()

```
void com.logistics.snowapi.service.UserBoundaryService.delete (
    UserBoundaryId id )
```

Definition at line 34 of file UserBoundaryService.java.

```
34                                     {
35         userBoundaryRepository.deleteById(id);
36     }
```

6.35.3.3 findAll()

```
List<UserBoundary> com.logistics.snowapi.service.UserBoundaryService.findAll ( )
```

Definition at line 22 of file UserBoundaryService.java.

```
22                                     {
23         return userBoundaryRepository.findAll();
24     }
```

6.35.3.4 findById()

```
Optional<UserBoundary> com.logistics.snowapi.service.UserBoundaryService.findById (
    UserBoundaryId id )
```

Definition at line 26 of file UserBoundaryService.java.

```
26                                     {
27     return userBoundaryRepository.findById(id);
28 }
```

6.35.3.5 save()

```
UserBoundary com.logistics.snowapi.service.UserBoundaryService.save (
    UserBoundary userBoundary )
```

Definition at line 30 of file UserBoundaryService.java.

```
30                                     {
31     return userBoundaryRepository.save(userBoundary);
32 }
```

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/service/UserBoundaryService.java](#)

6.36 com.logistics.snowapi.config.WebConfig Class Reference

Inheritance diagram for com.logistics.snowapi.config.WebConfig:

Collaboration diagram for com.logistics.snowapi.config.WebConfig:

Public Member Functions

- void [addCorsMappings](#) (CorsRegistry registry)

6.36.1 Detailed Description

Definition at line 9 of file WebConfig.java.

6.36.2 Member Function Documentation

6.36.2.1 addCorsMappings()

```
void com.logistics.snowapi.config.WebConfig.addCorsMappings (
    CorsRegistry registry )
```

Definition at line 13 of file WebConfig.java.

```
13                                     {
14     registry.addMapping("/**")
15         .allowedOrigins("http://localhost:3000")
16         .allowedMethods("GET", "POST", "PUT", "DELETE", "OPTION")
17         .allowedHeaders("");
18 }
```

The documentation for this class was generated from the following file:

- [src/main/java/com/logistics/snowapi/config/WebConfig.java](#)

Chapter 7

File Documentation

7.1 `src/main/java/com/logistics/snowapi/config/WebConfig.java` File Reference

Classes

- class [com.logistics.snowapi.config.WebConfig](#)

Packages

- package [com.logistics.snowapi.config](#)

7.2 `src/main/java/com/logistics/snowapi/controller/AlertController.java` File Reference

Classes

- class [com.logistics.snowapi.controller.AlertController](#)

Packages

- package [com.logistics.snowapi.controller](#)

7.3 `src/main/java/com/logistics/snowapi/controller/BoundaryController.java` File Reference ↩

Classes

- class [com.logistics.snowapi.controller.BoundaryController](#)

Packages

- package [com.logistics.snowapi.controller](#)

7.4 src/main/java/com/logistics/snowapi/controller/helloWorld.java File Reference

Classes

- class [com.logistics.snowapi.controller.helloWorld](#)

Packages

- package [com.logistics.snowapi.controller](#)

7.5 src/main/java/com/logistics/snowapi/controller/SnowUserController.java File Reference

Classes

- class [com.logistics.snowapi.controller.SnowUserController](#)

Packages

- package [com.logistics.snowapi.controller](#)

7.6 src/main/java/com/logistics/snowapi/controller/UserBoundaryController.java File Reference

Classes

- class [com.logistics.snowapi.controller.UserBoundaryController](#)

Packages

- package [com.logistics.snowapi.controller](#)

7.7 src/main/java/com/logistics/snowapi/gejsonresponse/Feature.java File Reference

Classes

- class [com.logistics.snowapi.gejsonresponse.Feature](#)

Packages

- package [com.logistics.snowapi.geojsonresponse](#)

7.8 src/main/java/com/logistics/snowapi/geojsonresponse/FeatureProperties.java File Reference

Classes

- class [com.logistics.snowapi.geojsonresponse.FeatureProperties](#)

Packages

- package [com.logistics.snowapi.geojsonresponse](#)

7.9 src/main/java/com/logistics/snowapi/geojsonresponse/GeoJsonResponse.java File Reference

Classes

- class [com.logistics.snowapi.geojsonresponse.GeoJsonResponse](#)

Packages

- package [com.logistics.snowapi.geojsonresponse](#)

7.10 src/main/java/com/logistics/snowapi/model/Alert.java File Reference

Classes

- class [com.logistics.snowapi.model.Alert](#)

Packages

- package [com.logistics.snowapi.model](#)

7.11 src/main/java/com/logistics/snowapi/model/Boundary.java File Reference

Classes

- class [com.logistics.snowapi.model.Boundary](#)

Packages

- package [com.logistics.snowapi.model](#)

7.12 src/main/java/com/logistics/snowapi/model/SnowUser.java File Reference

Classes

- class [com.logistics.snowapi.model.SnowUser](#)

Packages

- package [com.logistics.snowapi.model](#)

7.13 src/main/java/com/logistics/snowapi/model/SpatialRefSy.java File Reference

Classes

- class [com.logistics.snowapi.model.SpatialRefSy](#)

Packages

- package [com.logistics.snowapi.model](#)

7.14 src/main/java/com/logistics/snowapi/model/UgcAlert.java File Reference

Classes

- class [com.logistics.snowapi.model.UgcAlert](#)

Packages

- package [com.logistics.snowapi.model](#)

7.15 src/main/java/com/logistics/snowapi/model/UgcAlertId.java File Reference

Classes

- class [com.logistics.snowapi.model.UgcAlertId](#)

Packages

- package [com.logistics.snowapi.model](#)

7.16 src/main/java/com/logistics/snowapi/model/UgcBoundary.java File Reference

Classes

- class [com.logistics.snowapi.model.UgcBoundary](#)

Packages

- package [com.logistics.snowapi.model](#)

7.17 src/main/java/com/logistics/snowapi/model/UgcBoundaryId.java File Reference

Classes

- class [com.logistics.snowapi.model.UgcBoundaryId](#)

Packages

- package [com.logistics.snowapi.model](#)

7.18 src/main/java/com/logistics/snowapi/model/UgcZone.java File Reference

Classes

- class [com.logistics.snowapi.model.UgcZone](#)

Packages

- package [com.logistics.snowapi.model](#)

7.19 src/main/java/com/logistics/snowapi/model/UserBoundary.java File Reference

Classes

- class [com.logistics.snowapi.model.UserBoundary](#)

Packages

- package [com.logistics.snowapi.model](#)

7.20 [src/main/java/com/logistics/snowapi/model/UserBoundaryId.java](#) File Reference

Classes

- class [com.logistics.snowapi.model.UserBoundaryId](#)

Packages

- package [com.logistics.snowapi.model](#)

7.21 [src/main/java/com/logistics/snowapi/repository/AlertRepository.java](#) File Reference

Classes

- interface [com.logistics.snowapi.repository.AlertRepository](#)

Packages

- package [com.logistics.snowapi.repository](#)

7.22 [src/main/java/com/logistics/snowapi/repository/BoundaryRepository.java](#) File Reference

Classes

- interface [com.logistics.snowapi.repository.BoundaryRepository](#)

Packages

- package [com.logistics.snowapi.repository](#)

7.23 [src/main/java/com/logistics/snowapi/repository/SnowUserRepository.java](#) File Reference

Classes

- interface [com.logistics.snowapi.repository.SnowUserRepository](#)

Packages

- package [com.logistics.snowapi.repository](#)

7.24 src/main/java/com/logistics/snowapi/repository/UgcZoneRepository.java File Reference↔

Classes

- interface [com.logistics.snowapi.repository.UgcZoneRepository](#)

Packages

- package [com.logistics.snowapi.repository](#)

7.25 src/main/java/com/logistics/snowapi/repository/UserBoundaryRepository.java File Reference↔

Classes

- interface [com.logistics.snowapi.repository.UserBoundaryRepository](#)

Packages

- package [com.logistics.snowapi.repository](#)

7.26 src/main/java/com/logistics/snowapi/service/AlertService.java File Reference

Classes

- class [com.logistics.snowapi.service.AlertService](#)

Packages

- package [com.logistics.snowapi.service](#)

7.27 src/main/java/com/logistics/snowapi/service/BoundaryService.java File Reference

Classes

- class [com.logistics.snowapi.service.BoundaryService](#)

Packages

- package [com.logistics.snowapi.service](#)

7.28 src/main/java/com/logistics/snowapi/service/NWSDataService.java File Reference

Classes

- class [com.logistics.snowapi.service.NWSDataService](#)

Packages

- package [com.logistics.snowapi.service](#)

7.29 src/main/java/com/logistics/snowapi/service/SnowUserService.java File Reference

Classes

- class [com.logistics.snowapi.service.SnowUserService](#)

Packages

- package [com.logistics.snowapi.service](#)

7.30 src/main/java/com/logistics/snowapi/service/UgcZoneScraper.java File Reference

Classes

- class [com.logistics.snowapi.service.UgcZoneScraper](#)

Packages

- package [com.logistics.snowapi.service](#)

7.31 src/main/java/com/logistics/snowapi/service/UgcZoneService.java File Reference

Classes

- class [com.logistics.snowapi.service.UgcZoneService](#)

Packages

- package [com.logistics.snowapi.service](#)

7.32 src/main/java/com/logistics/snowapi/service/UserBoundaryService.java File Reference ↩

Classes

- class [com.logistics.snowapi.service.UserBoundaryService](#)

Packages

- package [com.logistics.snowapi.service](#)

7.33 src/main/java/com/logistics/snowapi/ServletInitializer.java File Reference

Classes

- class [com.logistics.snowapi.ServletInitializer](#)

7.34 src/main/java/com/logistics/snowapi/SnowApiApplication.java File Reference

Classes

- class [com.logistics.snowapi.SnowApiApplication](#)

7.35 src/main/java/com/logistics/snowapi/ugczonerresponse/Geometry.java File Reference ↩

7.36 src/main/java/com/logistics/snowapi/ugczonerresponse/MultiPolygon.java File Reference ↩

7.37 src/main/java/com/logistics/snowapi/ugczonerresponse/Polygon.java File Reference ↩

7.38 src/main/java/com/logistics/snowapi/ugczonerresponse/UgcZoneResponse.java File Reference ↩

Classes

- class [com.logistics.snowapi.ugczonerresponse.UgcZoneResponse](#)

Packages

- package [com.logistics.snowapi.ugczoneresponse](#)

7.39 [src/test/java/com/logistics/snowapi/service/AlertServiceTest.java](#) File Reference

Classes

- class [com.logistics.snowapi.service.AlertServiceTest](#)

Packages

- package [com.logistics.snowapi.service](#)

7.40 [src/test/java/com/logistics/snowapi/service/BoundaryServiceTest.java](#) File Reference

Classes

- class [com.logistics.snowapi.service.BoundaryServiceTest](#)

Packages

- package [com.logistics.snowapi.service](#)

7.41 [src/test/java/com/logistics/snowapi/service/SnowUserServiceTest.java](#) File Reference

Classes

- class [com.logistics.snowapi.service.SnowUserServiceTest](#)

Packages

- package [com.logistics.snowapi.service](#)

7.42 [src/test/java/com/logistics/snowapi/service/UgcZoneServiceTest.java](#) File Reference

Classes

- class [com.logistics.snowapi.service.UgcZoneServiceTest](#)

Packages

- package [com.logistics.snowapi.service](#)

7.43 src/test/java/com/logistics/snowapi/service/UserBoundaryServiceTest.java File Reference ↩

Classes

- class `com.logistics.snowapi.service.UserBoundaryServiceTest`

Packages

- package [com.logistics.snowapi.service](#)

7.44 src/test/java/com/logistics/snowapi/SnowApiApplicationTests.java File Reference

Classes

- class `com.logistics.snowapi.SnowApiApplicationTests`

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