

HK Journey Planner

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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Chapter 2

Class Index

2.1 Class List

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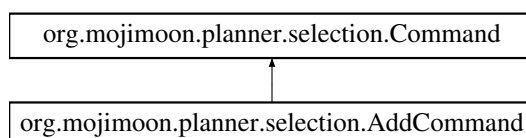
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Chapter 3

Class Documentation

3.1 org.mojimoon.planner.selection.AddCommand Class Reference

Inheritance diagram for org.mojimoon.planner.selection.AddCommand:



Public Member Functions

- boolean [execute](#) (String date, String name)
- void [undo](#) ()
- void [redo](#) ()

Public Member Functions inherited from [org.mojimoon.planner.selection.Command](#)

Additional Inherited Members

Static Public Member Functions inherited from [org.mojimoon.planner.selection.Command](#)

- static boolean [undoPrev](#) ()
- static boolean [redoPrev](#) ()
- static void [resetState](#) ()

Static Protected Member Functions inherited from [org.mojimoon.planner.selection.Command](#)

- static void [addUndo](#) ([Command](#) cmd)
- static void [clearRedo](#) ()

3.1.1 Member Function Documentation

3.1.1.1 execute()

```
boolean org.mojimoon.planner.selection.AddCommand.execute (
    String date,
    String name)
```

Reimplemented from [org.mojimoon.planner.selection.Command](#).

3.1.1.2 redo()

```
void org.mojimoon.planner.selection.AddCommand.redo ()
```

Reimplemented from [org.mojimoon.planner.selection.Command](#).

3.1.1.3 undo()

```
void org.mojimoon.planner.selection.AddCommand.undo ()
```

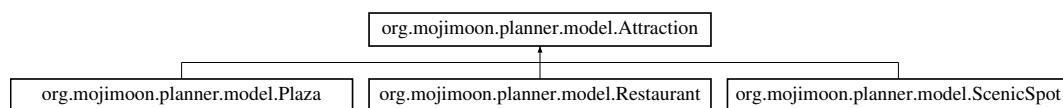
Reimplemented from [org.mojimoon.planner.selection.Command](#).

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/selection/AddCommand.java

3.2 org.mojimoon.planner.model.Attraction Class Reference

Inheritance diagram for org.mojimoon.planner.model.Attraction:



Public Member Functions

- abstract String **getName** ()
- abstract void **setName** (String name)
- abstract String **getNameZh** ()
- abstract void **setNameZh** (String nameZh)
- abstract String **getLocation** ()
- abstract void **setLocation** (String location)
- abstract String **getMetroStation** ()
- abstract void **setMetroStation** (String metroStation)
- abstract int **getReviewCount** ()
- abstract void **setReviewCount** (int reviewCount)
- boolean **equals** (Object obj)

Protected Attributes

- String **name**
- String **nameZh**
- String **location**
- String **metroStation**
- int **reviewCount**

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/model/Attraction.java

3.3 org.mojimoon.planner.recommendation.Combiner Class Reference**Static Public Member Functions**

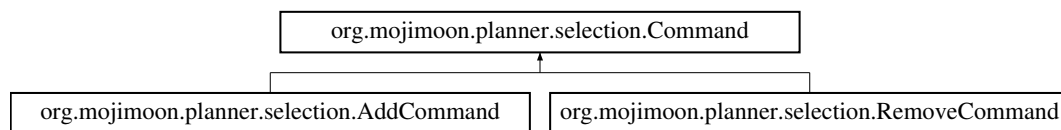
- static Map< String, List< Object > > **combineRecommendations** (Map< String, List< [ScenicSpot](#) > > scenicSpotRecommendations, List< Map< String, List< [Restaurant](#) > > > restaurantRecommendations, Map< String, List< [Plaza](#) > > plazaRecommendations)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/recommendation/Combiner.java

3.4 org.mojimoon.planner.selection.Command Class Reference

Inheritance diagram for org.mojimoon.planner.selection.Command:

**Public Member Functions**

- abstract boolean **execute** (String date, String name)
- abstract void **undo** ()
- abstract void **redo** ()

Static Public Member Functions

- static boolean **undoPrev** ()
- static boolean **redoPrev** ()
- static void **resetState** ()

Static Protected Member Functions

- static void **addUndo** ([Command](#) cmd)
- static void **clearRedo** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/selection/Command.java

3.5 org.mojimoon.planner.data.DataLoader< T > Class Template Reference

Public Member Functions

- abstract List< T > **loadData** ()
- abstract void **setFilePath** (String filePath)
- abstract void **setInputStream** (InputStream stream)

Static Public Member Functions

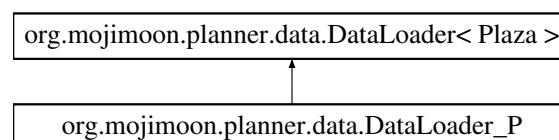
- static List< [ScenicSpot](#) > **loadScenicSpots** ()
- static List< [Plaza](#) > **loadPlazas** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/data/DataLoader.java

3.6 org.mojimoon.planner.data.DataLoader_P Class Reference

Inheritance diagram for org.mojimoon.planner.data.DataLoader_P:



Public Member Functions

- List< [Plaza](#) > **loadData** ()
- void **setFilePath** (String filePath)
- void **setInputStream** (InputStream stream)

Public Member Functions inherited from [org.mojimoon.planner.data.DataLoader< Plaza >](#)

- abstract List< T > **loadData** ()
- abstract void **setFilePath** (String filePath)
- abstract void **setInputStream** (InputStream stream)

Additional Inherited Members

Static Public Member Functions inherited from [org.mojimoon.planner.data.DataLoader< Plaza >](#)

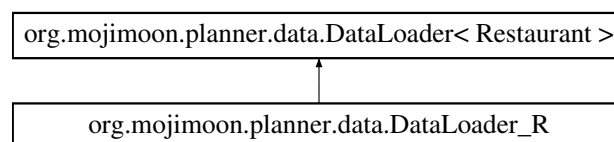
- static List< [ScenicSpot](#) > **loadScenicSpots** ()
- static List< [Plaza](#) > **loadPlazas** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/data/DataLoader_P.java

3.7 org.mojimoon.planner.data.DataLoader_R Class Reference

Inheritance diagram for org.mojimoon.planner.data.DataLoader_R:



Public Member Functions

- void **setFilePath** (String filePath)
- void **setInputStream** (InputStream stream)
- List< [Restaurant](#) > **loadData** ()

Public Member Functions inherited from [org.mojimoon.planner.data.DataLoader< Restaurant >](#)

- abstract List< T > **loadData** ()
- abstract void **setFilePath** (String filePath)
- abstract void **setInputStream** (InputStream stream)

Additional Inherited Members

Static Public Member Functions inherited from

[org.mojimoon.planner.data.DataLoader< Restaurant >](#)

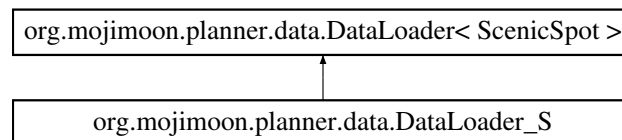
- static List< [ScenicSpot](#) > **loadScenicSpots** ()
- static List< [Plaza](#) > **loadPlazas** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/data/DataLoader_R.java

3.8 org.mojimoon.planner.data.DataLoader_S Class Reference

Inheritance diagram for org.mojimoon.planner.data.DataLoader_S:



Public Member Functions

- List< [ScenicSpot](#) > **loadData** ()
- void **setFilePath** (String filePath)
- void **setInputStream** (InputStream stream)

Public Member Functions inherited from

[org.mojimoon.planner.data.DataLoader< ScenicSpot >](#)

- abstract List< T > **loadData** ()
- abstract void **setFilePath** (String filePath)
- abstract void **setInputStream** (InputStream stream)

Additional Inherited Members

Static Public Member Functions inherited from

[org.mojimoon.planner.data.DataLoader< ScenicSpot >](#)

- static List< [ScenicSpot](#) > **loadScenicSpots** ()
- static List< [Plaza](#) > **loadPlazas** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/data/DataLoader_S.java

3.9 org.mojimoon.planner.data.DataLoaderFactory Class Reference

Static Public Member Functions

- static< T extends [DataLoader](#)<?> T **getInstance** (Class< T > clazz)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/data/DataLoaderFactory.java

3.10 org.mojimoon.planner.model.preference.DateRange Class Reference

Public Member Functions

- **DateRange** (LocalDate startDate, LocalDate endDate)
- LocalDate **getStartDate** ()
- LocalDate **getEndDate** ()
- int **getDays** ()
- List< LocalDate > **getAllDates** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/model/preference/DateRange.
java ↵

3.11 org.mojimoon.planner.route.Dijkstra Class Reference

Classes

- class **NodeDistance**

Public Member Functions

- **Dijkstra** ([Graph](#) graph, String startNodeName, String endNodeName)
- ArrayList< [Node](#) > **findShortestPath** ()
- String **getShortestPathString** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/route/Dijkstra.java

3.12 org.mojimoon.planner.route.Edge Class Reference

Public Member Functions

- **Edge** ([Node](#) station1, [Node](#) station2)
- int **getWeight** ()
- String **toString** ()
- [Node](#) **getStation1** ()
- [Node](#) **getStation2** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/route/Edge.java

3.13 org.mojimoon.planner.selection.FindAttraction Class Reference

Static Public Member Functions

- static [Attraction](#) **find** (String name)
- static [Attraction](#) **find** (List< [Attraction](#) > list, String name)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/selection/FindAttraction.java

3.14 org.mojimoon.planner.route.Graph Class Reference

Public Member Functions

- void **addNode** ([Node](#) node)
- ArrayList< [Node](#) > **getNodes** ()
- ArrayList< [Edge](#) > **getEdges** ()
- String **toString** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/route/Graph.java

3.15 org.mojimoon.planner.utils.LocationUtils Class Reference

Static Public Member Functions

- static String **getRegionByLocation** (String location)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/utils/LocationUtils.java

3.16 org.mojimoon.planner.Main Class Reference

Static Public Member Functions

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

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/Main.java

3.17 org.mojimoon.planner.route.Node Class Reference

Public Member Functions

- **Node** ([Attraction](#) attraction, String stationName)
- String **getName** ()
- String **toString** ()
- String **result** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/route/Node.java

3.18 org.mojimoon.planner.utils.OperatingHours Class Reference

Public Member Functions

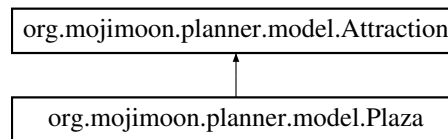
- **OperatingHours** (String hours)
- **OperatingHours** (LocalTime openingTime, LocalTime closingTime)
- LocalTime **getOpeningTime** ()
- void **setOpeningTime** (LocalTime openingTime)
- LocalTime **getClosingTime** ()
- void **setClosingTime** (LocalTime closingTime)
- boolean **isWithinOperatingHours** (LocalTime time)
- String **humanReadable** ()
- String **toString** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/utils/OperatingHours.java

3.19 org.mojimoon.planner.model.Plaza Class Reference

Inheritance diagram for org.mojimoon.planner.model.Plaza:



Public Member Functions

- **Plaza** (String nameZh, String name, String metroStation, int reviewCount, double reviewScore, String operatingHours, List< String > feature, String location)
- String [getName](#) ()
- void [setName](#) (String name)
- String [getNameZh](#) ()
- void [setNameZh](#) (String nameZh)
- String [getLocation](#) ()
- void [setLocation](#) (String location)
- String [getMetroStation](#) ()
- void [setMetroStation](#) (String metroStation)
- int [getReviewCount](#) ()
- void [setReviewCount](#) (int reviewCount)
- double [getReviewScore](#) ()
- void [setReviewScore](#) (double reviewScore)
- String [getOperatingHours](#) ()
- void [setOperatingHours](#) (String operatingHours)
- List< String > [getFeature](#) ()
- void [setFeature](#) (List< String > feature)
- String [getRegion](#) ()
- String [toString](#) ()

Public Member Functions inherited from [org.mojimoon.planner.model.Attraction](#)

- boolean [equals](#) (Object obj)

Additional Inherited Members

Protected Attributes inherited from [org.mojimoon.planner.model.Attraction](#)

- String **name**
- String **nameZh**
- String **location**
- String **metroStation**
- int **reviewCount**

3.19.1 Member Function Documentation

3.19.1.1 getLocation()

```
String org.mojimoon.planner.model.Plaza.getLocation ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.19.1.2 getMetroStation()

```
String org.mojimoon.planner.model.Plaza.getMetroStation ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.19.1.3 getName()

```
String org.mojimoon.planner.model.Plaza.getName ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.19.1.4 getNameZh()

```
String org.mojimoon.planner.model.Plaza.getNameZh ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.19.1.5 getReviewCount()

```
int org.mojimoon.planner.model.Plaza.getReviewCount ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.19.1.6 setLocation()

```
void org.mojimoon.planner.model.Plaza.setLocation (  
    String location)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.19.1.7 setMetroStation()

```
void org.mojimoon.planner.model.Plaza.setMetroStation (  
    String metroStation)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.19.1.8 setName()

```
void org.mojimoon.planner.model.Plaza.setName (  
    String name)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.19.1.9 setNameZh()

```
void org.mojimoon.planner.model.Plaza.setNameZh (  
    String nameZh)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.19.1.10 setReviewCount()

```
void org.mojimoon.planner.model.Plaza.setReviewCount (  
    int reviewCount)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/model/Plaza.java

3.20 org.mojimoon.planner.input.PreferenceCollector Class Reference

Public Member Functions

- List< [Attraction](#) > **collectAttractionChoices** (String date, List<? extends [Attraction](#) > attractions, String type)
- [Restaurant](#) **collectRestaurantChoice** (String date, List< [Restaurant](#) > restaurants, String mealType)

Static Public Member Functions

- static synchronized [PreferenceCollector](#) **getInstance** ()
- static synchronized [PreferenceCollector](#) **createTestInstance** (Scanner scanner)

Protected Member Functions

- **PreferenceCollector** (Scanner scanner)

Protected Attributes

- Scanner **scanner**

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/input/PreferenceCollector.java

3.21 org.mojimoon.planner.utils.PriceRange Class Reference

Public Member Functions

- **PriceRange** (String priceStr)
- boolean **isWithinRange** (String userBudget)
- int **getMinPrice** ()
- int **getMaxPrice** ()
- boolean **isSpecialLabel** ()
- String **toString** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/utils/PriceRange.java

3.22 org.mojimoon.planner.recommendation.Recommendation↔ Generator Class Reference

Public Member Functions

- [TripRecommendation](#) **generateRecommendations** (List< [ScenicSpot](#) > scenicSpots, List< [Plaza](#) > plazas, [UserPreferenceContainer](#) preferences)

Static Public Member Functions

- static [RecommendationGenerator](#) **getInstance** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/recommendation/Recommendation↔
Generator.java

3.23 org.mojimoon.planner.recommendation.Recommender< T, P extends UserPreferences > Interface Template Reference

Public Member Functions

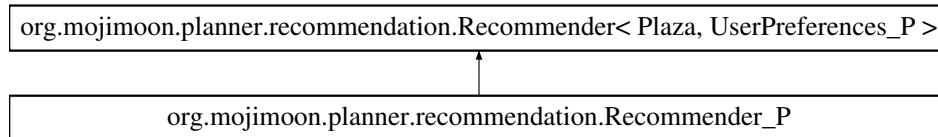
- Map< String, List< T > > **recommendByPreferences** (List< T > items, P preferences)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/recommendation/Recommender.↔
java

3.24 org.mojimoon.planner.recommendation.Recommender_P Class Reference

Inheritance diagram for org.mojimoon.planner.recommendation.Recommender_P:



Public Member Functions

- Map< String, List< [Plaza](#) > > **recommendByPreferences** (List< [Plaza](#) > allPlazas, [UserPreferences_P](#) userPreference)

Public Member Functions inherited from

[org.mojimoon.planner.recommendation.Recommender< Plaza, UserPreferences_P >](#)

- Map< String, List< T > > **recommendByPreferences** (List< T > items, P preferences)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/recommendation/Recommender_P.java

3.25 org.mojimoon.planner.recommendation.Recommender_R Class Reference

Public Member Functions

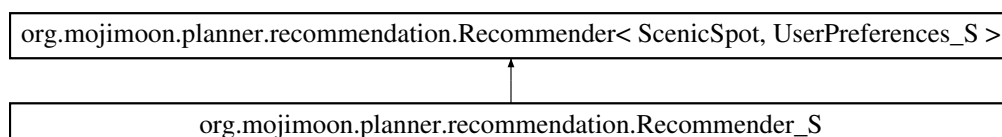
- List< Map< String, List< [Restaurant](#) > > > **recommendByPreferences** ([UserPreferences_R](#) userPreferences)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/recommendation/Recommender_R.java

3.26 org.mojimoon.planner.recommendation.Recommender_S Class Reference

Inheritance diagram for org.mojimoon.planner.recommendation.Recommender_S:



Public Member Functions

- Map< String, List< [ScenicSpot](#) > > **recommendByPreferences** (List< [ScenicSpot](#) > allScenicSpots, [UserPreferences_S](#) userPreference)

Public Member Functions inherited from

[org.mojimoon.planner.recommendation.Recommender](#)< [ScenicSpot](#), [UserPreferences_S](#) >

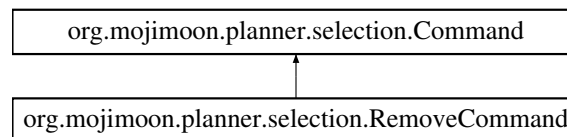
- Map< String, List< T > > **recommendByPreferences** (List< T > items, P preferences)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/recommendation/Recommender←_S.java

3.27 org.mojimoon.planner.selection.RemoveCommand Class Reference

Inheritance diagram for org.mojimoon.planner.selection.RemoveCommand:

**Public Member Functions**

- boolean **execute** (String date, String name)
- void **undo** ()
- void **redo** ()

Public Member Functions inherited from [org.mojimoon.planner.selection.Command](#)**Additional Inherited Members****Static Public Member Functions inherited from**

[org.mojimoon.planner.selection.Command](#)

- static boolean **undoPrev** ()
- static boolean **redoPrev** ()
- static void **resetState** ()

Static Protected Member Functions inherited from

[org.mojimoon.planner.selection.Command](#)

- static void **addUndo** ([Command](#) cmd)
- static void **clearRedo** ()

3.27.1 Member Function Documentation

3.27.1.1 `execute()`

```
boolean org.mojimoon.planner.selection.RemoveCommand.execute (  
    String date,  
    String name)
```

Reimplemented from [org.mojimoon.planner.selection.Command](#).

3.27.1.2 `redo()`

```
void org.mojimoon.planner.selection.RemoveCommand.redo ()
```

Reimplemented from [org.mojimoon.planner.selection.Command](#).

3.27.1.3 `undo()`

```
void org.mojimoon.planner.selection.RemoveCommand.undo ()
```

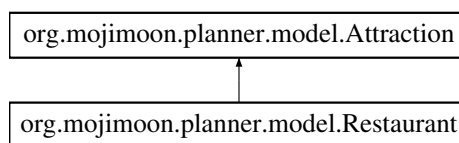
Reimplemented from [org.mojimoon.planner.selection.Command](#).

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/selection/RemoveCommand.java

3.28 `org.mojimoon.planner.model.Restaurant` Class Reference

Inheritance diagram for `org.mojimoon.planner.model.Restaurant`:



Public Member Functions

- **Restaurant** (String name, String nameZh, String location, String metroStation, int recommendedTime, String avgExpense, int reviewCount, double reviewScore, List< [OperatingHours](#) > openTime)
- String [getName](#) ()
- void [setName](#) (String name)
- String [getNameZh](#) ()
- void [setNameZh](#) (String nameZh)
- String [getLocation](#) ()
- void [setLocation](#) (String location)
- String [getMetroStation](#) ()
- void [setMetroStation](#) (String metroStation)
- int [getRecommendedTime](#) ()
- void [setRecommendedTime](#) (int recommendedTime)
- [PriceRange](#) [getPriceRange](#) ()
- int [getReviewCount](#) ()
- void [setReviewCount](#) (int reviewCount)
- double [getReviewScore](#) ()
- void [setReviewScore](#) (double reviewScore)
- List< [OperatingHours](#) > [getOpenTime](#) ()
- void [setOpenTime](#) (List< [OperatingHours](#) > openTime)
- boolean [isOpenAt](#) (LocalTime time)
- [PriceRange](#) [getAvgExpense](#) ()
- String [toString](#) ()

Public Member Functions inherited from [org.mojimoon.planner.model.Attraction](#)

- boolean [equals](#) (Object obj)

Additional Inherited Members

Protected Attributes inherited from [org.mojimoon.planner.model.Attraction](#)

- String **name**
- String **nameZh**
- String **location**
- String **metroStation**
- int **reviewCount**

3.28.1 Member Function Documentation

3.28.1.1 [getLocation\(\)](#)

```
String org.mojimoon.planner.model.Restaurant.getLocation ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.28.1.2 getMetroStation()

```
String org.mojimoon.planner.model.Restaurant.getMetroStation ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.28.1.3 getName()

```
String org.mojimoon.planner.model.Restaurant.getName ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.28.1.4 getNameZh()

```
String org.mojimoon.planner.model.Restaurant.getNameZh ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.28.1.5 getReviewCount()

```
int org.mojimoon.planner.model.Restaurant.getReviewCount ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.28.1.6 setLocation()

```
void org.mojimoon.planner.model.Restaurant.setLocation (  
    String location)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.28.1.7 setMetroStation()

```
void org.mojimoon.planner.model.Restaurant.setMetroStation (  
    String metroStation)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.28.1.8 setName()

```
void org.mojimoon.planner.model.Restaurant.setName (  
    String name)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.28.1.9 setNameZh()

```
void org.mojimoon.planner.model.Restaurant.setNameZh (
    String nameZh)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.28.1.10 setReviewCount()

```
void org.mojimoon.planner.model.Restaurant.setReviewCount (
    int reviewCount)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/model/Restaurant.java

3.29 org.mojimoon.planner.output.RestaurantDisplay Class Reference**Static Public Member Functions**

- static void **displayRecommendations** (List< Map< String, List< [Restaurant](#) > > > dailyRecommendations)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/output/RestaurantDisplay.java

3.30 org.mojimoon.planner.output.ResultDisplay Class Reference**Public Member Functions**

- void **displayDailyPlan** (String date, List< [Attraction](#) > attractions)
- void **displayPlans** (Map< String, List< [Attraction](#) > > plans)
- void **displayAttractionDetails** ([Attraction](#) attraction)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/output/ResultDisplay.java

3.31 org.mojimoon.planner.route.RouteGenerator Class Reference**Public Member Functions**

- Map< String, ArrayList< [Node](#) > > **generateRoute** (Map< String, List< [Attraction](#) > > result)

Static Public Member Functions

- static [RouteGenerator](#) **getInstance** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/route/RouteGenerator.java

3.32 org.mojimoon.planner.route.RoutePrinter Class Reference

Static Public Member Functions

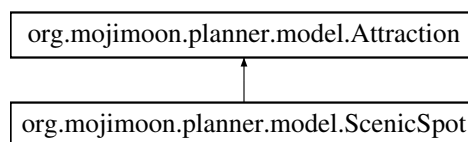
- static void **print** (Map< String, ArrayList< [Node](#) > > result)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/route/RoutePrinter.java

3.33 org.mojimoon.planner.model.ScenicSpot Class Reference

Inheritance diagram for org.mojimoon.planner.model.ScenicSpot:



Public Member Functions

- **ScenicSpot** (String name, String nameZh, String location, String metroStation, int reviewCount)
- List< String > **getFeature** ()
- void **setFeature** (List< String > feature)
- String **getName** ()
- void **setName** (String name)
- String **getNameZh** ()
- void **setNameZh** (String namezh)
- int **getReviewCount** ()
- void **setReviewCount** (int reviewCount)
- String **getLocation** ()
- void **setLocation** (String location)
- String **getMetroStation** ()
- void **setMetroStation** (String metroStation)
- String **getRegion** ()
- void **setRegion** (String region)

Public Member Functions inherited from [org.mojimoon.planner.model.Attraction](#)

- boolean **equals** (Object obj)

Additional Inherited Members

Protected Attributes inherited from [org.mojimoon.planner.model.Attraction](#)

- String **name**
- String **nameZh**
- String **location**
- String **metroStation**
- int **reviewCount**

3.33.1 Member Function Documentation

3.33.1.1 getLocation()

```
String org.mojimoon.planner.model.ScenicSpot.getLocation ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.33.1.2 getMetroStation()

```
String org.mojimoon.planner.model.ScenicSpot.getMetroStation ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.33.1.3 getName()

```
String org.mojimoon.planner.model.ScenicSpot.getName ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.33.1.4 getNameZh()

```
String org.mojimoon.planner.model.ScenicSpot.getNameZh ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.33.1.5 getReviewCount()

```
int org.mojimoon.planner.model.ScenicSpot.getReviewCount ()
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.33.1.6 setLocation()

```
void org.mojimoon.planner.model.ScenicSpot.setLocation (
    String location)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.33.1.7 setMetroStation()

```
void org.mojimoon.planner.model.ScenicSpot.setMetroStation (
    String metroStation)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.33.1.8 setName()

```
void org.mojimoon.planner.model.ScenicSpot.setName (
    String name)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.33.1.9 setNameZh()

```
void org.mojimoon.planner.model.ScenicSpot.setNameZh (
    String namezh)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

3.33.1.10 setReviewCount()

```
void org.mojimoon.planner.model.ScenicSpot.setReviewCount (
    int reviewCount)
```

Reimplemented from [org.mojimoon.planner.model.Attraction](#).

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/model/ScenicSpot.java

3.34 org.mojimoon.planner.selection.Selected Class Reference

Static Public Member Functions

- static synchronized [Selected](#) **getInstance** (Map< String, List< [Attraction](#) > > selected)
- static synchronized [Selected](#) **getInstance** ()
- static Map< String, List< [Attraction](#) > > **getSelected** ()
- static boolean **add** (String key, [Attraction](#) attraction)
- static boolean **remove** (String key, [Attraction](#) attraction)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/selection/Selected.java

3.35 org.mojimoon.planner.selection.SelectionManager Class Reference

Public Member Functions

- void **initSelections** ([TripRecommendation](#) recommendations, LocalDate startDate)
- void **addSelection** ()
- void **removeSelection** ()
- void **printSelection** ()
- void **generateRoute** ()
- void **undoPrev** ()
- void **redoPrev** ()
- void **exit** ()
- void **search** ([UserPreferences_S](#) preference)
- void **loop** ()

Static Public Member Functions

- static [SelectionManager](#) **getInstance** ()
- static void **processCommand** (String commandLine)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/selection/SelectionManager.java

3.36 org.mojimoon.planner.output.SelectionProcessor Class Reference

Public Member Functions

- Map< String, List< [Attraction](#) > > **processSelections** (Map< String, List< [ScenicSpot](#) > > scenicSpots, Map< String, List< [Plaza](#) > > plazas, List< Map< String, List< [Restaurant](#) > > > restaurants, LocalDate startDate)

Protected Member Functions

- **SelectionProcessor** ([PreferenceCollector](#) collector)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/output/SelectionProcessor.java

3.37 org.mojimoon.planner.utils.TestParamsUtils Class Reference

Static Public Member Functions

- static String **getRegion** (String input)
- static String **getScenicTag** (String input)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/utils/TestParamsUtils.java

3.38 org.mojimoon.planner.utils.TestReflectUtils Class Reference

Static Public Member Functions

- static void **resetSelected** () throws SecurityException, NoSuchFieldException, IllegalArgumentException, IllegalAccessException

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/utils/TestReflectUtils.java

3.39 org.mojimoon.planner.route.Traverse Class Reference

Public Member Functions

- **Traverse** (Graph graph)
- ArrayList< Node > **findShortestPath** ()
- String **getShortestPathString** ()
- ArrayList< Node > **getShortestPath** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/route/Traverse.java

3.40 org.mojimoon.planner.route.Traverse_new_testing Class Reference

Public Member Functions

- **Traverse_new_testing** (Graph graph)
- ArrayList< Node > **findShortestPath** (Node breakfastRestaurant, Node lunchRestaurant, Node dinnerRestaurant)
- String **getShortestPathString** (Node breakfastRestaurant, Node lunchRestaurant, Node dinnerRestaurant)
- ArrayList< Node > **getShortestPath** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/route/Traverse_new_testing.java

3.41 org.mojimoon.planner.planner.TripPlanner Class Reference

Public Member Functions

- void **settestpreference** (String testPreferences)
- void **settestmode** (boolean isTestMode)
- TripRecommendation **planTrip** ()
- LocalDate **getStartDate** ()

Static Public Member Functions

- static [TripPlanner](#) **getInstance** ()
- static [TripPlanner](#) **getInstance** (boolean isTestMode, String testPreferences)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/planner/TripPlanner.java

3.42 test.TripPlannerTest Class Reference**Public Member Functions**

- void **setUp** ()
- void **testTripPlanning** ()

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

- D:/desktop/courses/3343/planner-final/src/test/java/test/TripPlannerTest.java

3.43 org.mojimoon.planner.model.TripRecommendation Class Reference**Public Member Functions**

- **TripRecommendation** (Map< String, List< [ScenicSpot](#) > > scenicSpots, List< Map< String, List< [Restaurant](#) > > > restaurants, Map< String, List< [Plaza](#) > > plazas)
- Map< String, List< Object > > **getCombinedDailyPlan** ()
- Map< String, List< [ScenicSpot](#) > > **getScenicSpots** ()
- List< Map< String, List< [Restaurant](#) > > > **getRestaurants** ()
- Map< String, List< [Plaza](#) > > **getPlazas** ()
- String **toString** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/model/TripRecommendation.java

3.44 org.mojimoon.planner.input.UserInputHandler Class Reference**Public Member Functions**

- [DateRange](#) **getDateRange** ()
- String **getRegionPreference** (String dateKey)
- String **getTagPreference** (String dateKey)
- boolean **getPopularPreference** ()
- List< String > **getShoppingPreference** ()
- String **getBudgetPreference** ()
- [UserPreferenceContainer](#) **collectAllPreferences** ()
- boolean **getPopularPlazaPreference** ()
- boolean **getHighRatedPlazaPreference** ()
- int **inputIntBetween** (int lb, int ub)
- String **inputDate** ()
- String **inputName** ()

Static Public Member Functions

- static [UserInputHandler](#) **getInstance** ()
- static [UserPreferenceContainer](#) **parsePreferencesFromString** (String input)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/input/UserInputHandler.java

3.45 org.mojimoon.planner.model.preference.UserPreferenceContainer Class Reference

Classes

- class **Builder**

Public Member Functions

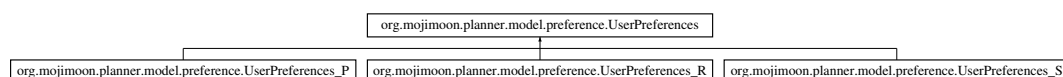
- [DateRange](#) **getDateRange** ()
- [UserPreferences_S](#) **getScenicPreferences** ()
- [UserPreferences_P](#) **getPlazaPreferences** ()
- [UserPreferences_R](#) **getRestaurantPreferences** ()
- String **getBudget** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/model/preference/UserPreferenceContainer.java↔

3.46 org.mojimoon.planner.model.preference.UserPreferences Class Reference

Inheritance diagram for org.mojimoon.planner.model.preference.UserPreferences:

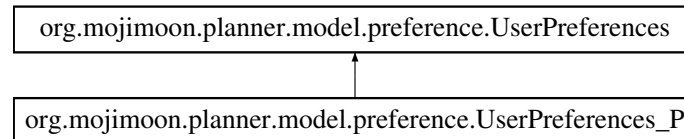


The documentation for this class was generated from the following file:

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/model/preference/UserPreferences.java↔

3.47 org.mojimoon.planner.model.preference.UserPreferences_P Class Reference

Inheritance diagram for org.mojimoon.planner.model.preference.UserPreferences_P:



Public Member Functions

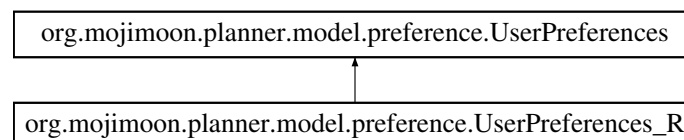
- **UserPreferences_P** (LocalDate startDate, LocalDate endDate)
- **UserPreferences_P** (LocalDate startDate, LocalDate endDate, List< String > dailyRegion, List< List< String > > dailyTags, List< Boolean > dailyPopular, List< Boolean > dailyRatingFilter)
- void **addPreference** (String region, List< String > tags, boolean popular, boolean ratingFilter)
- int **getDuration** ()
- LocalDate **getStartDate** ()
- void **setStartDate** (LocalDate startDate)
- LocalDate **getEndDate** ()
- void **setEndDate** (LocalDate endDate)
- String **getDayRegion** (int day)
- List< String > **getDailyRegion** ()
- void **setDailyRegion** (List< String > dailyRegion)
- List< String > **getDayTags** (int day)
- List< List< String > > **getDailyTags** ()
- void **setDailyTags** (List< List< String > > dailyTags)
- Boolean **getDayPopular** (int day)
- List< Boolean > **getDailyPopular** ()
- void **setDailyPopular** (List< Boolean > dailyPopular)
- Boolean **getDayRatingFilter** (int day)
- List< Boolean > **getDailyRatingFilter** ()
- void **setDailyRatingFilter** (List< Boolean > dailyRatingFilter)
- String **toString** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/model/preference/UserPreferences_P.java

3.48 org.mojimoon.planner.model.preference.UserPreferences_R Class Reference

Inheritance diagram for org.mojimoon.planner.model.preference.UserPreferences_R:



Public Member Functions

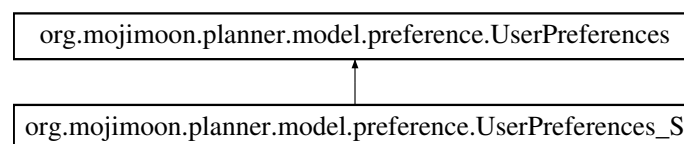
- **UserPreferences_R** (LocalDate startDate, LocalDate endDate, List< String > regions, String budget)
- int **getDays** ()
- LocalDate **getStartDate** ()
- void **setStartDate** (LocalDate startDate)
- LocalDate **getEndDate** ()
- void **setEndDate** (LocalDate endDate)
- List< String > **getRegions** ()
- void **setRegions** (List< String > regions)
- String **getBudget** ()
- void **setBudget** (String budget)
- List< String > **getFilePathsForDay** (int day, long seed)
- String **toString** ()

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/model/preference/UserPreferences↵_R.java

3.49 org.mojimoon.planner.model.preference.UserPreferences_S Class Reference

Inheritance diagram for org.mojimoon.planner.model.preference.UserPreferences_S:



Public Member Functions

- void **addPreference** (String date, String region, String tag, boolean recommendPopular)
- String **getRegionByDate** (String date)
- String **getTagByDate** (String date)
- boolean **isPopularRecommended** (String date)
- Map< String, String > **getAllRegions** ()
- Map< String, String > **getAllTags** ()
- Map< String, Boolean > **getAllPopularPreferences** ()
- void **setRegions** (Map< String, String > regions)
- void **setTags** (Map< String, String > tags)
- void **setPopularFlags** (Map< String, Boolean > popularFlags)

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

- D:/desktop/courses/3343/planner-final/src/main/java/org/mojimoon/planner/model/preference/UserPreferences↵_S.java

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