Georgian Heritage Site Management System (GHSMS)

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Description:

Georgia is a country rich in cultural heritage and ancient architectural monuments. The Georgian Heritage Site Management System (GHSMS) is a Java application that helps manage and maintain information about various heritage sites across the country. The system has the following features:

- 1. Storage for heritage site information.
- 2. Ability to add a new heritage site to the system.
- 3. Ability to remove a heritage site from the system.
- 4. Ability to print information about all the heritage sites stored in the system.

GHSMS Structure:

We will need the following classes for the software:

- 1. **HeritageSite**: Represents a heritage site in Georgia.
- 2. **GHSMS**: Georgian Heritage Site Management System.
- 3. **GHSMSTester**: This class will be used to test the functionality of the GHSMS.

Class HeritageSite	
String	siteName
String	location
String	historicalPeriod
String	architecturalStyle
String	description

Class GHSMS		
List <h< td=""><td>eritageSite></td><td>heritages</td></h<>	eritageSite>	heritages
void	addHeritagesite(HeritageSite heritagesite)	
boolean removeHeritagesite(HeritageSite heritagesite)		
void	printHeritagesites()	

Class HeritageSite

Contains fields such as the site name, location, historical period, architectural style, and a brief description. HeritageSite class is implemented in the following way:

```
public HeritageSite(String siteName, String location, String
historicalPeriod, String architecturalStyle, String description) {
      this.historicalPeriod = historicalPeriod;
```

```
return location;
}

public String getHistoricalPeriod() {
    return historicalPeriod;
}

public String getArchitecturalStyle() {
    return architecturalStyle;
}

public String getDescription() {
    return description;
}
```

Class GHSMS

Contains a collection (List) to store the HeritageSite objects and provides methods to add, remove, and print the stored heritage sites. Implementation:

```
import java.util.ArrayList;
import java.util.List;

public class GHSMS {
    // Defining List for HeritageSite
    private List<HeritageSite> heritagesites;
```

```
public void addHeritagesite(HeritageSite heritagesite) {
  public boolean removeHeritagesite(HeritageSite heritagesite) {
  public void printHeritagesites() {
heritagesite.getLocation());
heritagesite.getDescription());
```

GHSMS Tester Class

Tests GHSMS class by creating instances of HeritageSize objects, adding them to the system, removing some of them, and printing the stored heritage sites. Code implementation:

```
ghsms.addHeritagesite(mtskheta);
ghsms.addHeritagesite(gelatiMonastery);
```