# Soccer Resort Management

## 1. Problem Description:

Soccer Resort is a pioneer boutique resort known for its personalized treatment of guests. While registering the customer for a particular date of stay, the resort has collected a few details like

- Name of the Customer
- Date Of Birth
- Country – Assumption: Guests visit only from the following countries
  - USA, Spain, Germany, France, China
- Language – Guests speak only one of the below languages
  - English, Spanish, French, Chinese, German
- Hobby – Need to be from the following
  - Eat, Drink, WaterSports, Dance, Travel, Read, Music

The Reservation Management team of the resort is planning different events for the guests during their stay and needs the list of guests.

Write a Java program using the **new features in Java SE 8** by following the following steps:

- Create a **Guest** class to hold the data for the guest having the name, dob, country, language, and hobby as attributes.
- Create another main class named **EventManager**
1. The main method of this class invokes the below-mentioned methods in steps 2 and 3
2. Define a method called populateGuests to populate a List, containing Guest objects having different values
3. Define another method called filterGuest for filtering the guest

For example, if there is a guest from the USA then the code will be

```
Predicate<Guest> patternAmerican = g -> {
    return Country.USA.equals( g.getCountry() );
}; // Assuming Country is an enum class
 lstGuest.stream().filter(patternAmerican ).forEach(guest
-> System.out.println(guest));
```

In a similar manner create different filters using lambda and stream, and print the guest list as per the requirement below so that the event management team can use the list for planning different events.

- List of guests  from Spain and
    - Love music and dance
    - Love to drink and age above 18
- List of guests from France and
    - Love playing sports
- Number of guests of age above 70 years
- List of guests who speak Chinese and love to read