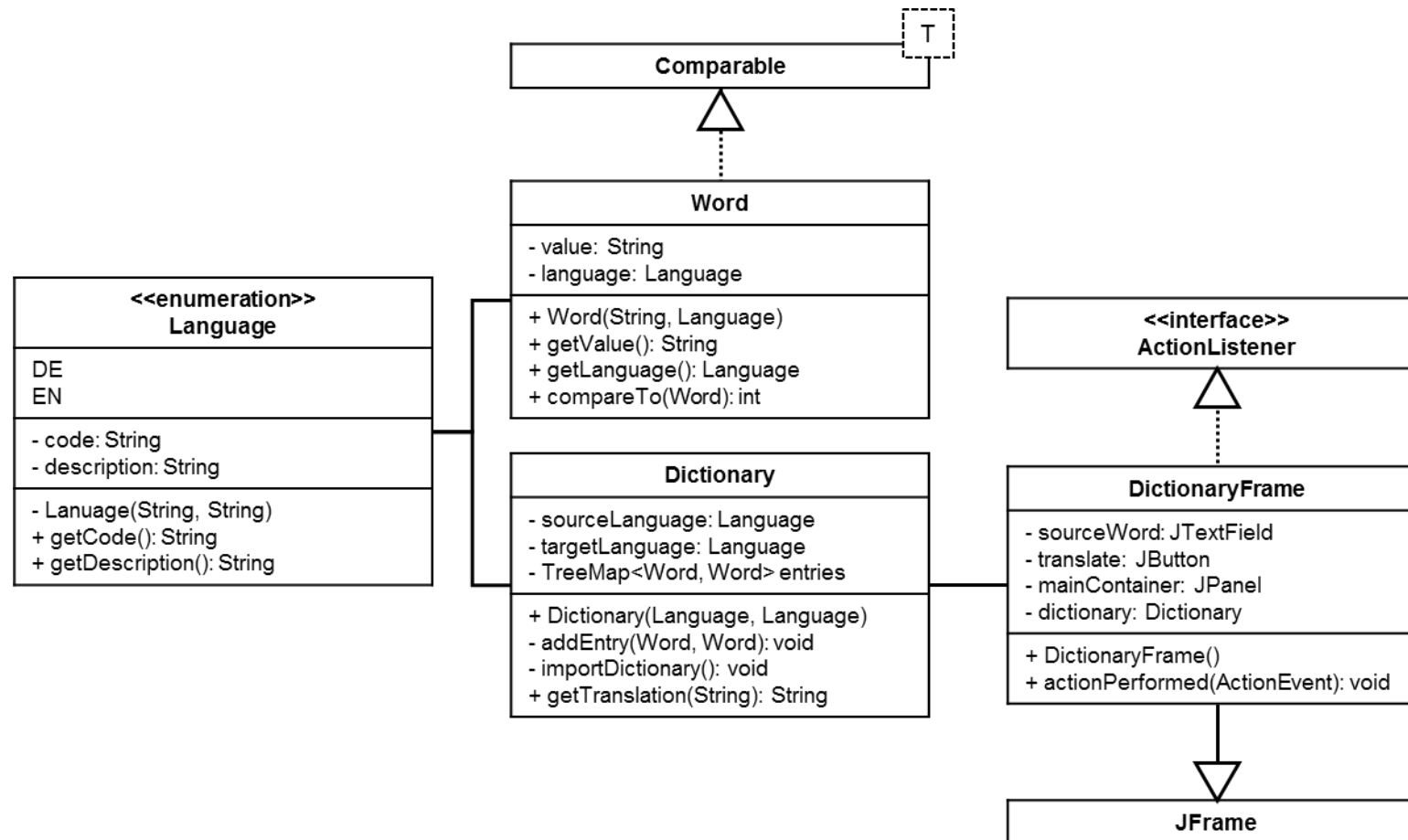
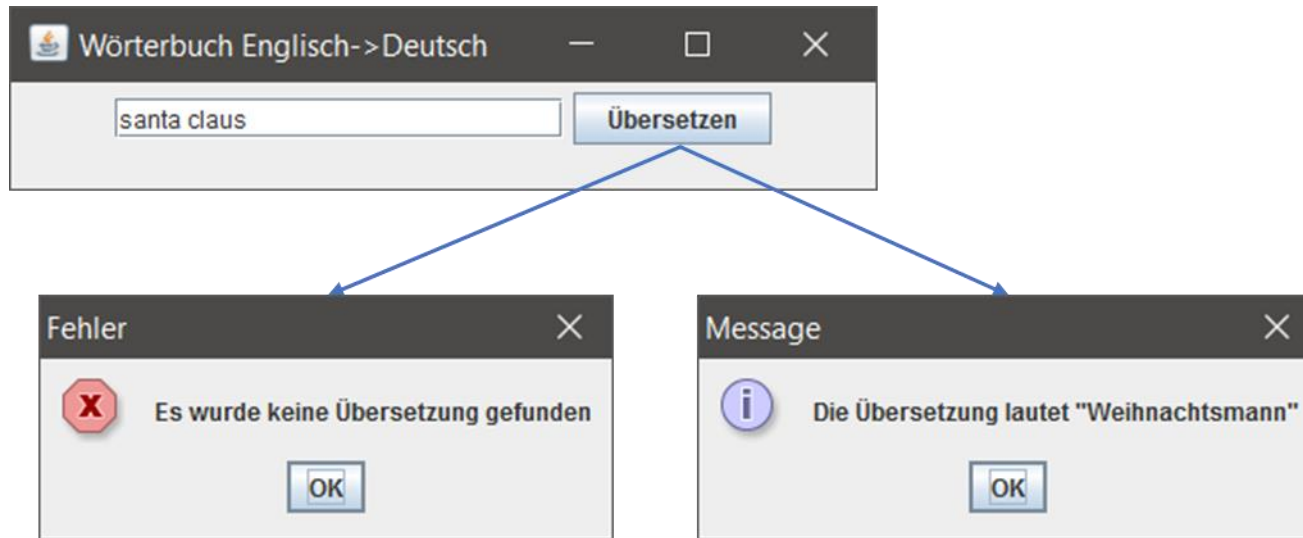


## Klassendiagramm



### Grafische Benutzeroberfläche



### Quellcode zum Quicksort

```
public static int[] quickSort(int[] data) {  
    return sort(data, 0, data.length - 1);  
}  
  
public static int[] sort(int[] data, int left, int right) {  
    int center = left + (right - left) / 2;  
    int pivot = data[center];  
    int i = left, j = right;  
    while (i <= j) {  
        while (data[i] < pivot) {  
            i++;  
        }  
        while (data[j] > pivot) {  
            j--;  
        }  
        if (i <= j) {  
            int temp = data[i];  
            data[i] = data[j];  
            data[j] = temp;  
            i++;  
            j--;  
        }  
    }  
    if (left < j) {  
        sort(data, left, j);  
    }  
    if (right > i) {  
        sort(data, i, right);  
    }  
    return data;  
}
```