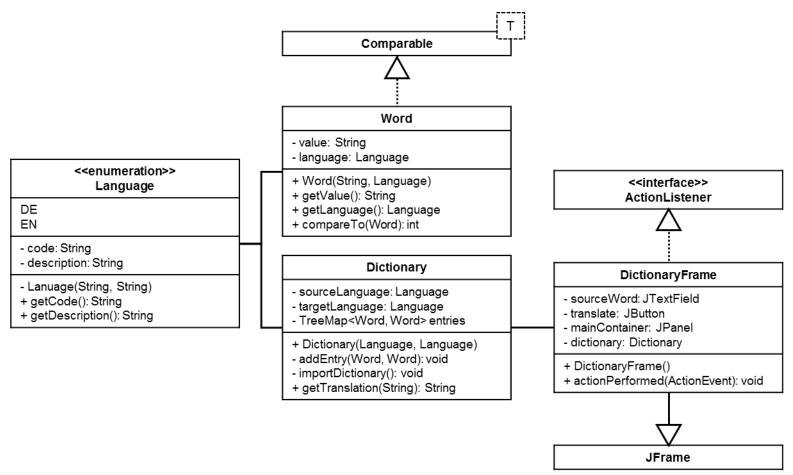
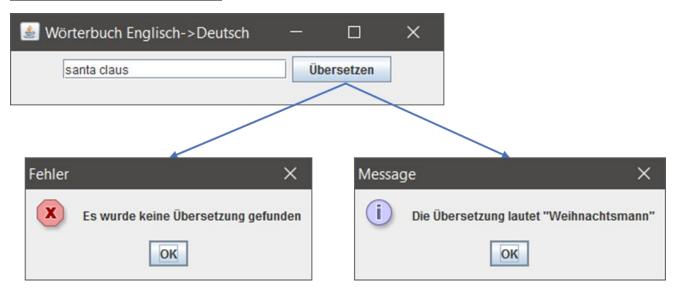
Klassendiagramm



Fortgeschrittene Programmierung, Algorithmen und Datenstrukturen: Beiblatt 17.09.2018

Grafische Benutzeroberfläche



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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) {</pre>
               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) {</pre>
          sort(data, left, j);
    if (right > i) {
          sort(data, i, right);
    return data;
```