# **B0001: Index out of range**

**Bug ID:** B0001

Title: Index out of range

Vender: ZHU Renjie	Product: News Clustering System	Version: 1.0
Severity: Critical	<b>Updated</b> : 2014-10-14	<b>OS</b> : Windows 7
Status: Closed	Assigned to: Fang Zhou	

## **Description:**

When creating hash table based on input files, the error message saying that index of range will prompt out.

## **Steps to Reproduce::**

- 1.) Prepare the articles under raw\_data directory
- 2.) Start the program

### **Expected result:**

A word count file will be built as a dictionary for each category in unsorted order.

#### **Actual result:**

The error message saying that index of range will prompt out.

## Fang Zhou 2014-10-15 19:12 EDT

The cause of this problem is that when using getWords in other classes, we loop all the contents in words array from 0 to words.length. However, this would case IndexOutOfRange Exception since the last several elements may be null. So, I add a null check before reading words into array.

```
Before

private final int MAX_WORDS_NUMBER = 20000;
private String[] words;
private int index;

private void copyArray(String[] s) {
    for(int i=0;ixs.length;i++) {
        if(!isInteger(s[i])&&s[i].length()!=0) {
            words[index]=s[i];
            index++;
        }
        public String [] getWords() {
        return this.words;
    }

public String [] getWords() {
    return this.words;
}

After

After
```

**Zhu Renjie** 2014-10-16 20:40 EDT

Test succeeds. No IndexOutOfRange appears.