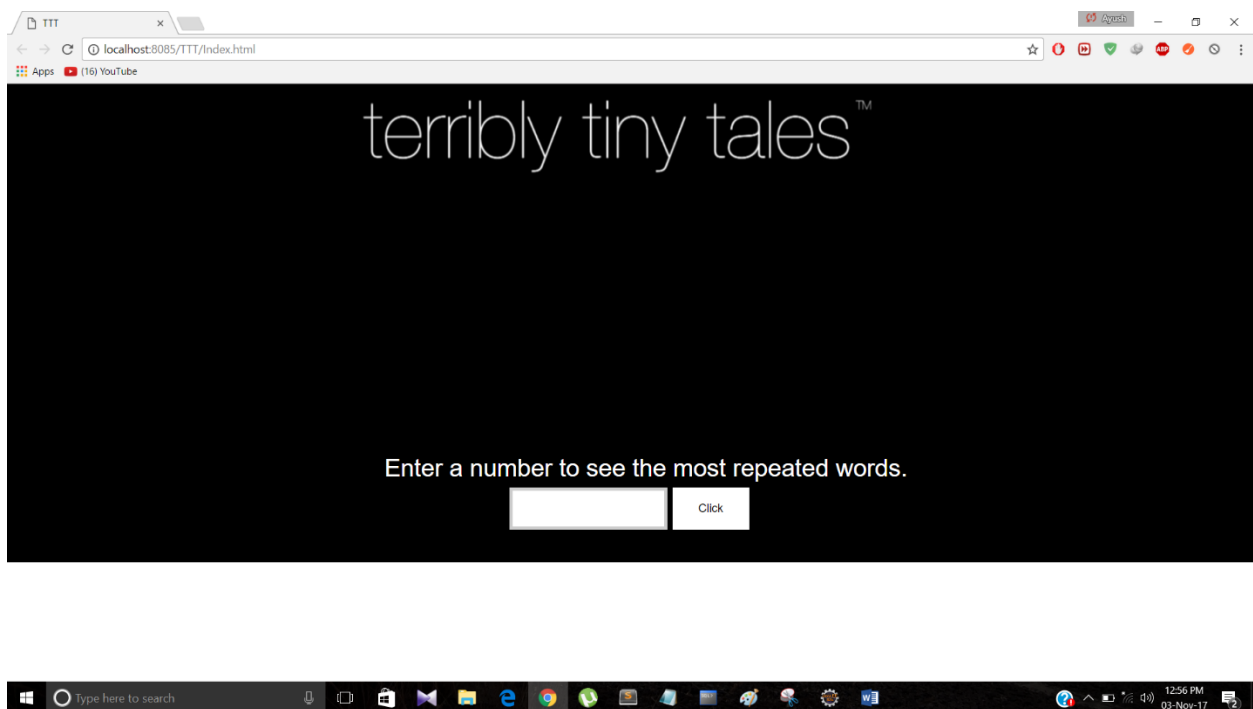


I have developed a website with proper MVC structure. I have used HTML and JSP pages for the front end, SQL for the backend and concepts of Java SE and EE.

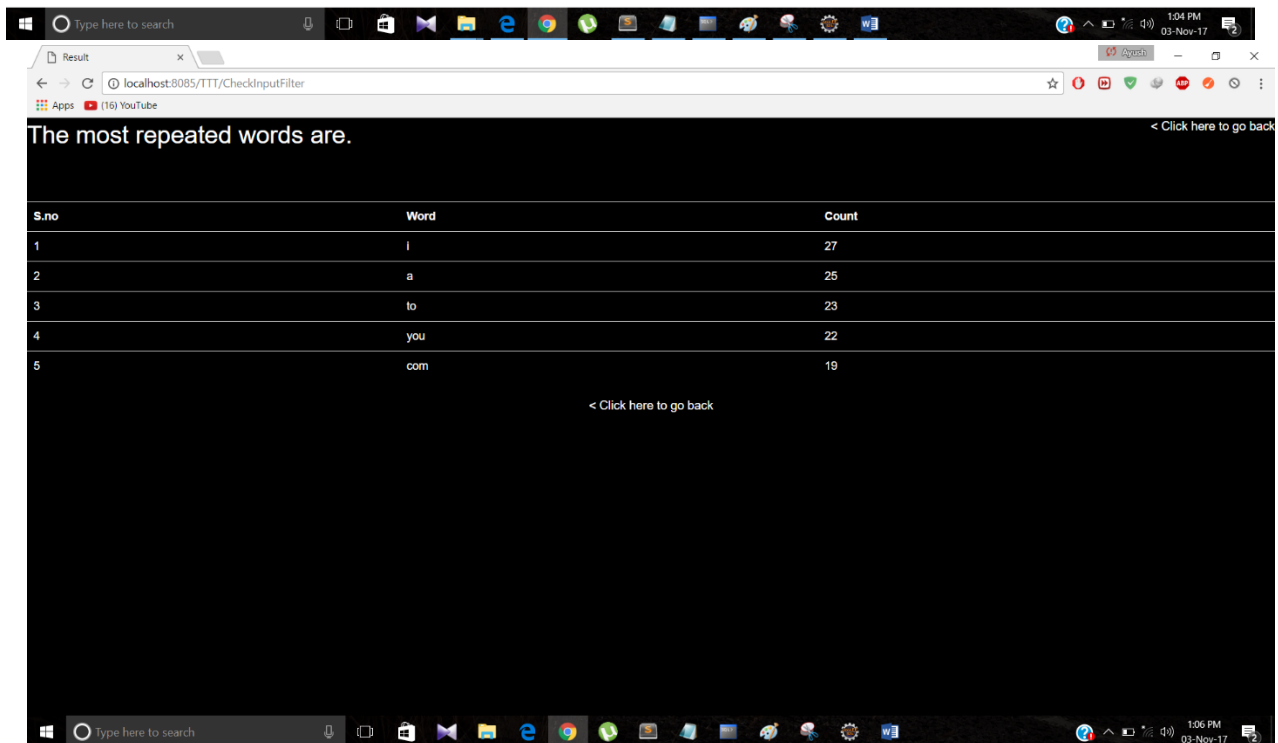
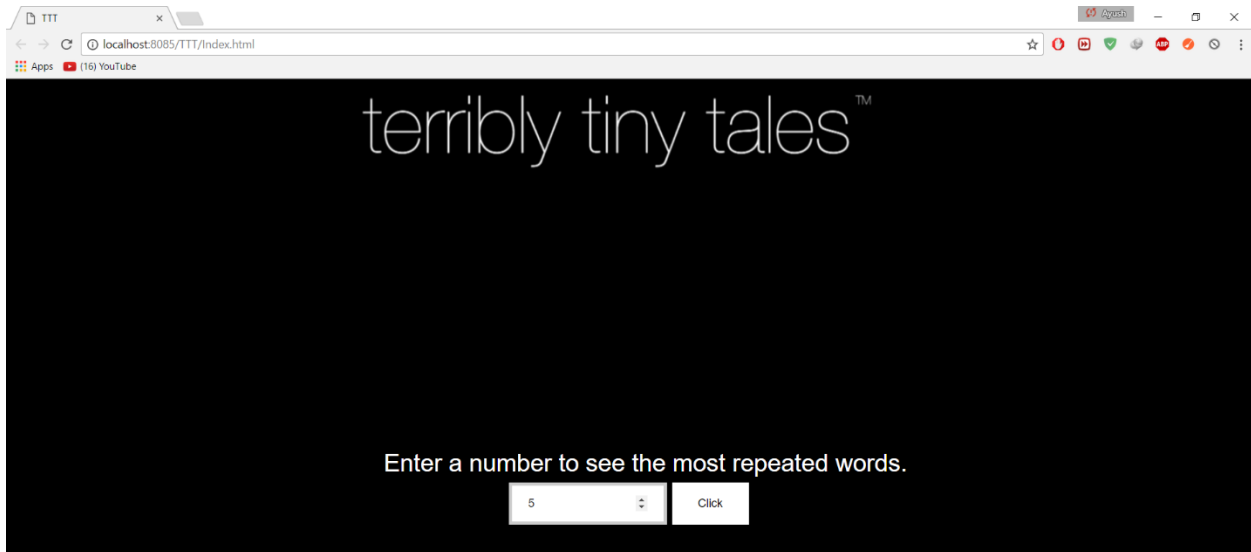
## Screenshots and test cases-

### 1) This is the homepage of the website

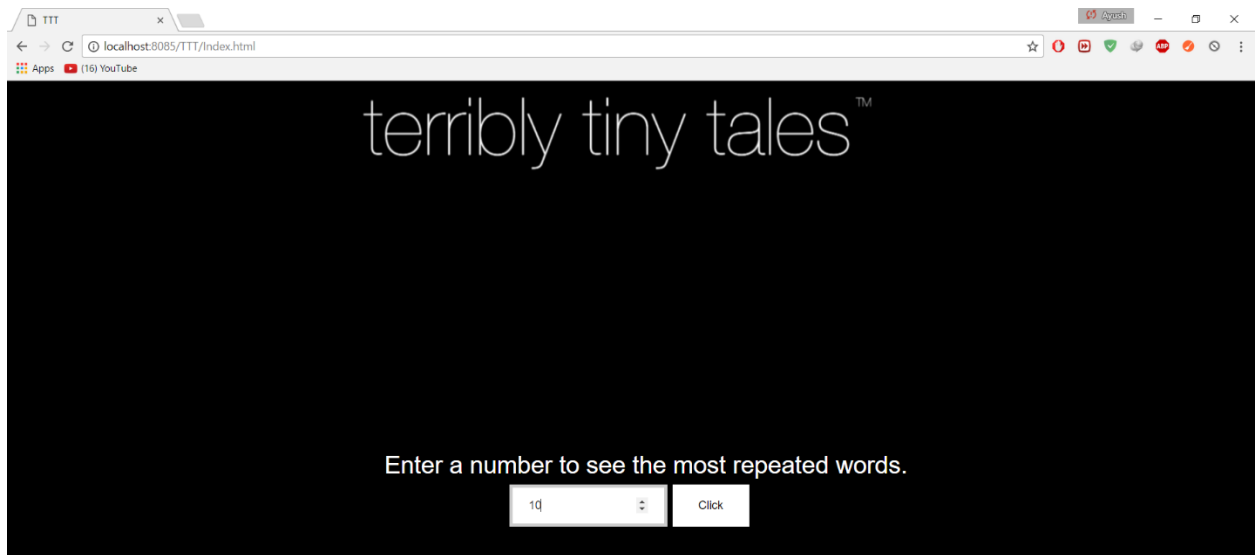


### 2) Now let us enter some numbers

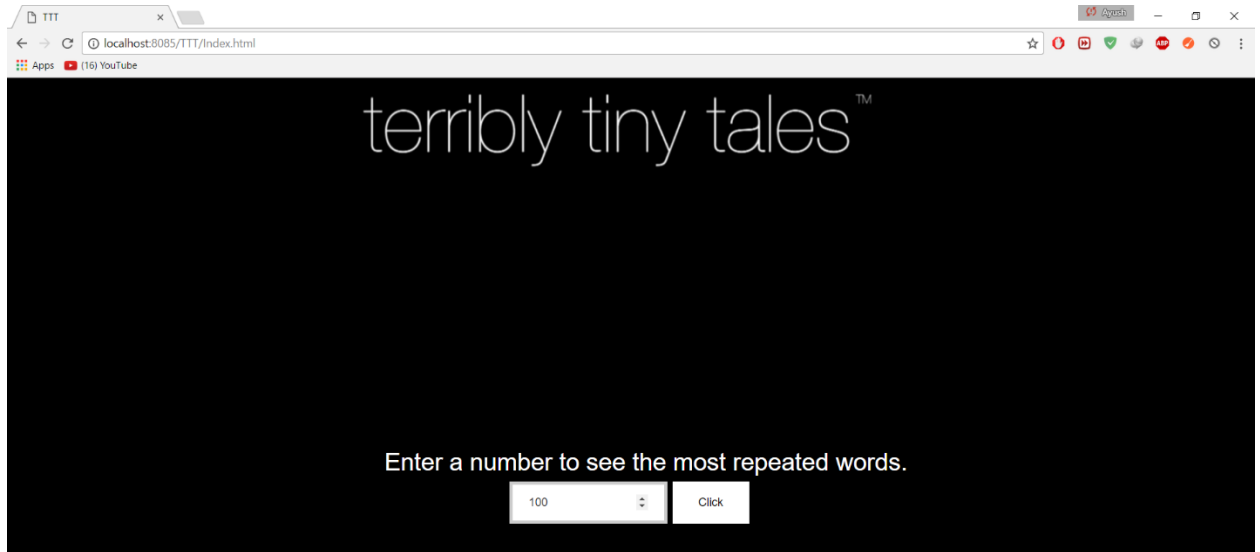
## Test case (a) input=5



## Test case (b) input=10



## Test case (c) input=100



The screenshot shows the same web browser window, but the URL is now `localhost:8085/TTT/CheckInputFilter`. The page displays "The most repeated words are." followed by a table of results. A link "< Click here to go back" is visible in the top right corner of the content area.

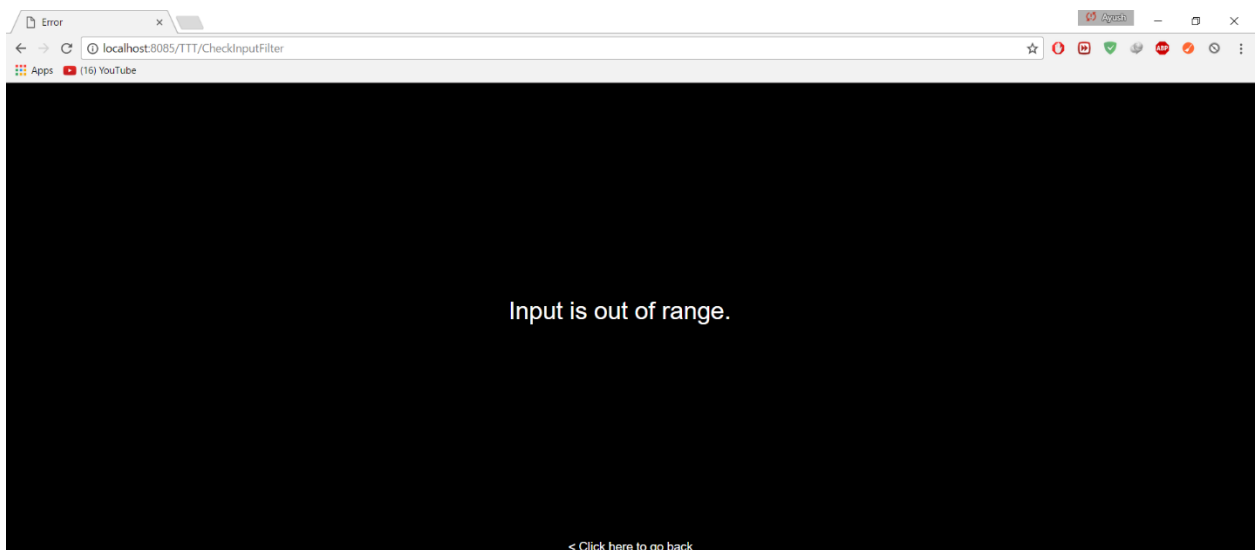
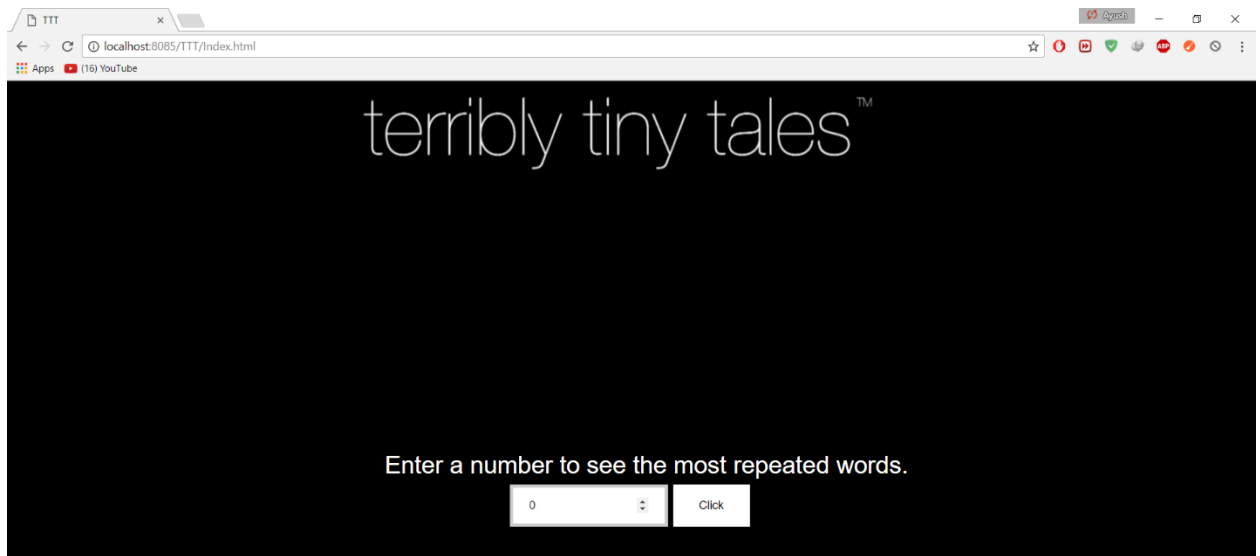
S.no	Word	Count
1	I	27
2	a	25
3	to	23
4	you	22
5	com	19
6	can	18
7	and	16
8	at	15
9	the	15
10	us	13
11	of	13
12	terriblytinytales	12
13	do	12
14	for	11
15	it	11
16	tiny	11



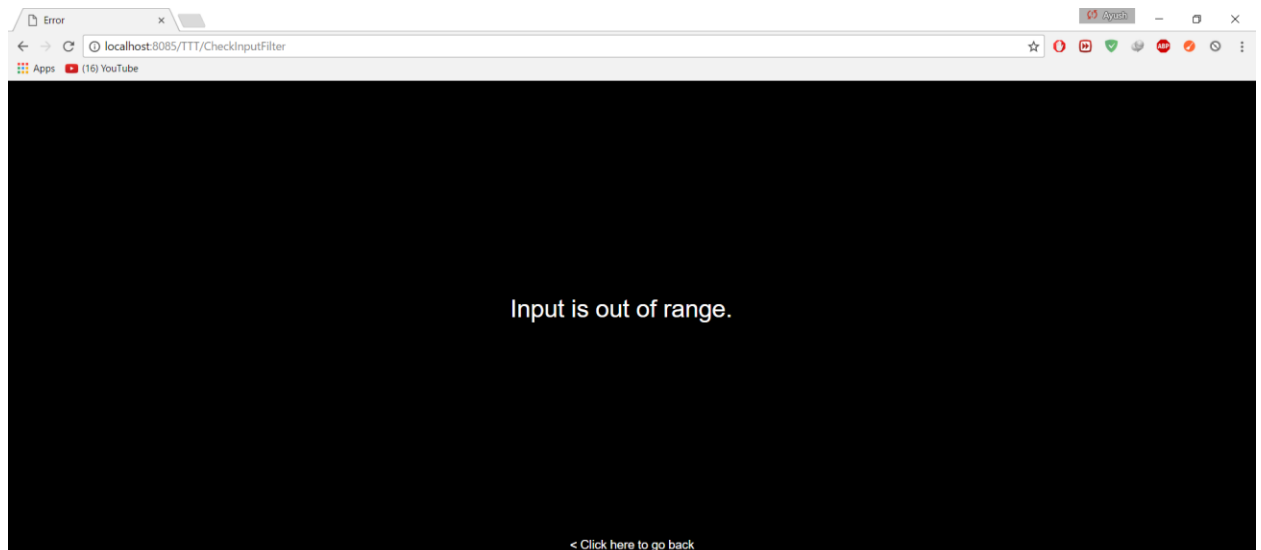
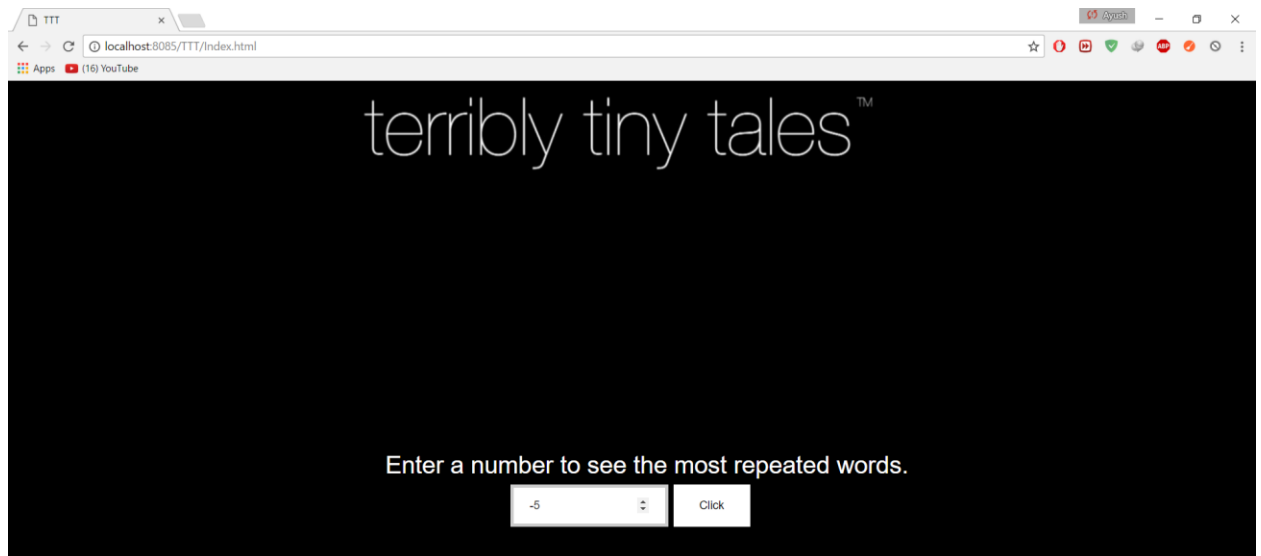
82	goes	3
83	workshop	3
84	published	3
85	who	3
86	youtube	3
87	here	3
88	part	3
89	best	3
90	social	3
91	any	3
92	cover	2
93	handpicked	2
94	them	2
95	received	2
96	letter	2
97	pieces	2
98	does	2
99	so	2
100	resume	2

Now let us enter some not so common inputs

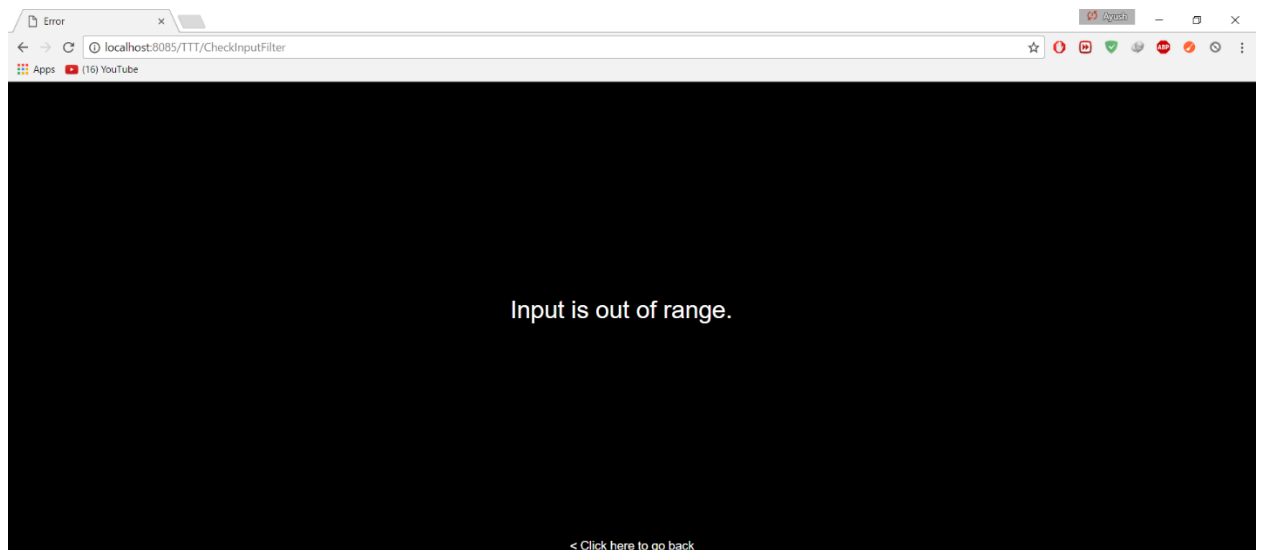
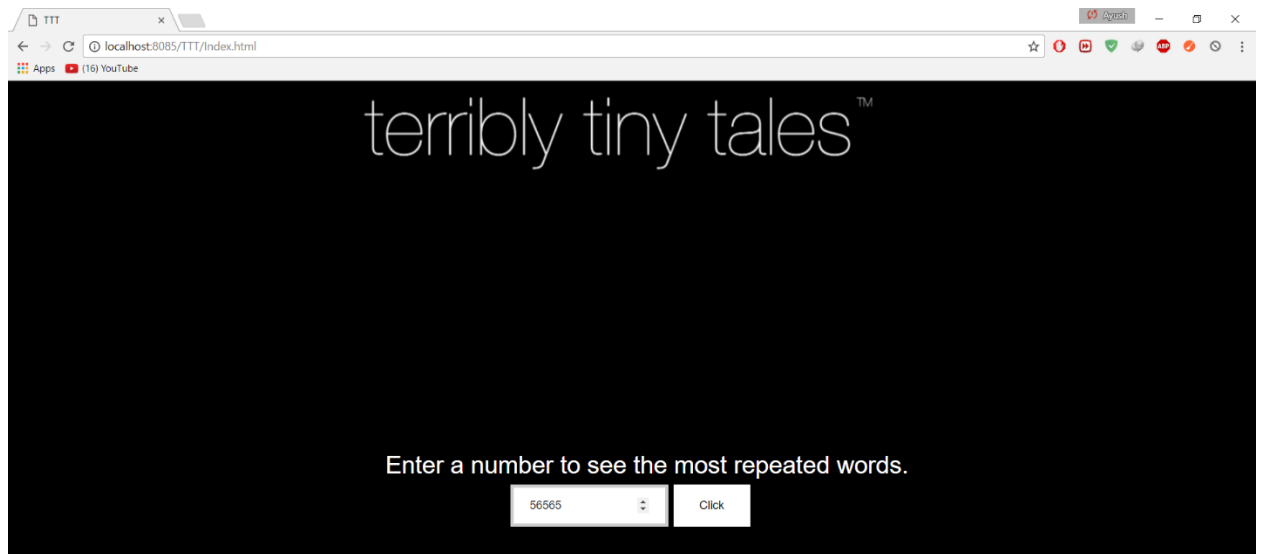
## Test case (d) input=0



## Test case (e) input= -5

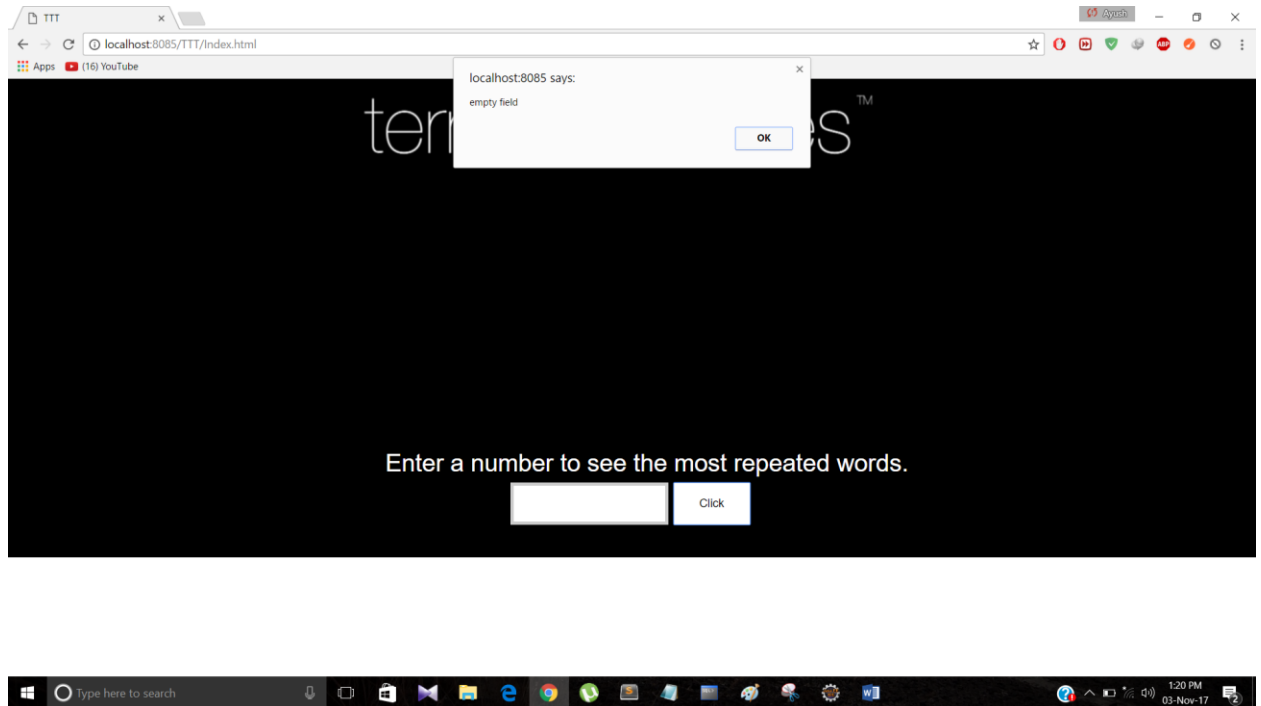


## Test case (f) input=56565





## Test case(g) leave the input box empty



I have used javascript for this alert box.

I have set input box as a “number” type so only numbers can be inserted.

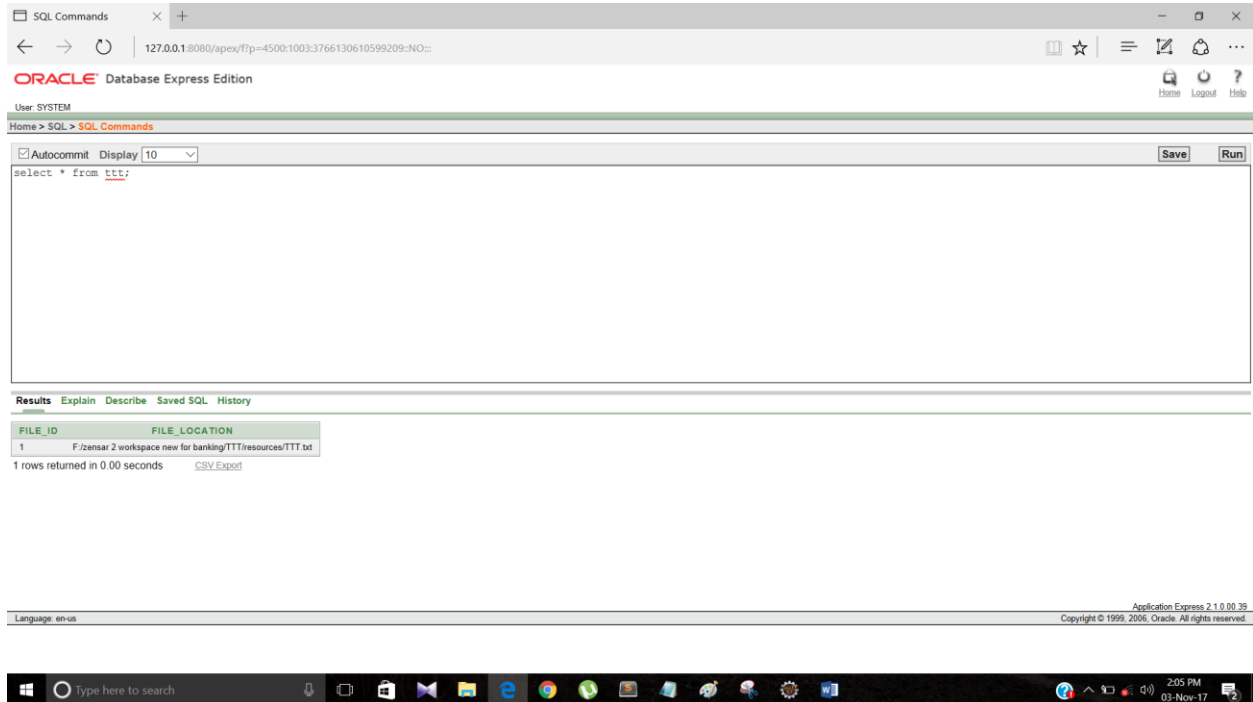
## **Components of the code**

- Bean package has all the java classes with the variables required.
- Connection provider package deals with database connectivity.
- Controllers package has the servlet which controls the flow of the project.
- DAO is the interface which defines the function which deals with the backend coding.
- DAO implementation has the class which implements DAO and perform the backend execution.
- Filter package has the class which deals with server side validation and then transfers the control to the controller or servlet.
- Providers deals with the connectivity for DAO and Service class.
- Services package has the interface which defines the service which is provided by the project.
- Service implementation has the class which implements Service and calls the DAO class function.
- Web.xml does the mapping of the servlet and the filter.

## **Most important libraries and jar files**

- Apache Tomcat v7.0 for local hosting
- Jre1.8.0\_111
- Ojdbc14.jar

## Screenshot of the database.



I have stored location of the file in the database for faster access.