

**JAVA MINI PROJECT**

**SEARCH ENGINE**

**BACHELOR OF TECHNOLOGY  
IN  
ELECTRONICS & TELECOMMUNICATIONS**

**SUBMITTED BY**

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## **CERTIFICATE**

I hereby declare that the project work entitled “SEARCH ENGINE” is an authentic record of my own work carried out as requirement of JAVA assessment for the award of degree of B.Tech., Electronics & Telecommunication Engineering, Symbiosis Institute of Technology, Pune, under the guidance of Prof. Sonali Tidke, during July – December 2020.

Ramya Bardae – (17070123080)

Date: 30/11/2020

Certified that the above statement made by the student is correct to the best of our knowledge and belief.

Prof. Sonali Tidke,

Assistant Professor (CSE)

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## **INTRODUCTION**

A search engine is basically a program that searches for items in a database that resemble with the characters quantified by the user. Most of the famous search engine such as google, Bing, Yahoo etc. are used especially for finding specific sites on the World Wide Web. To display the obtained search results, all search engines first find the result from their database, sort them out and then make an ordered list based on the algorithm, and display it to the user.

In this project we have tried to create a search engine that allows user to search the subject book with a keyword. Then as a normal search engine does, it searches the data from its data base. For that we have used mongoDB to create out data base and then link it to java so that our search engine provides the search details with the keyword mentioned. This project also has a login page for the admin to log in which will then redirect it to a home page when we can insert, remove or delete anything from the database.

## **CLASSES USED**

Different classes used for linking mongoDB to NetBeans and then carrying out the process are:

- 1) Database
- 2) Insert
- 3) Remove
- 4) search

## **MODULES IMPLEMENTED**

### **1)Insert –(class)**

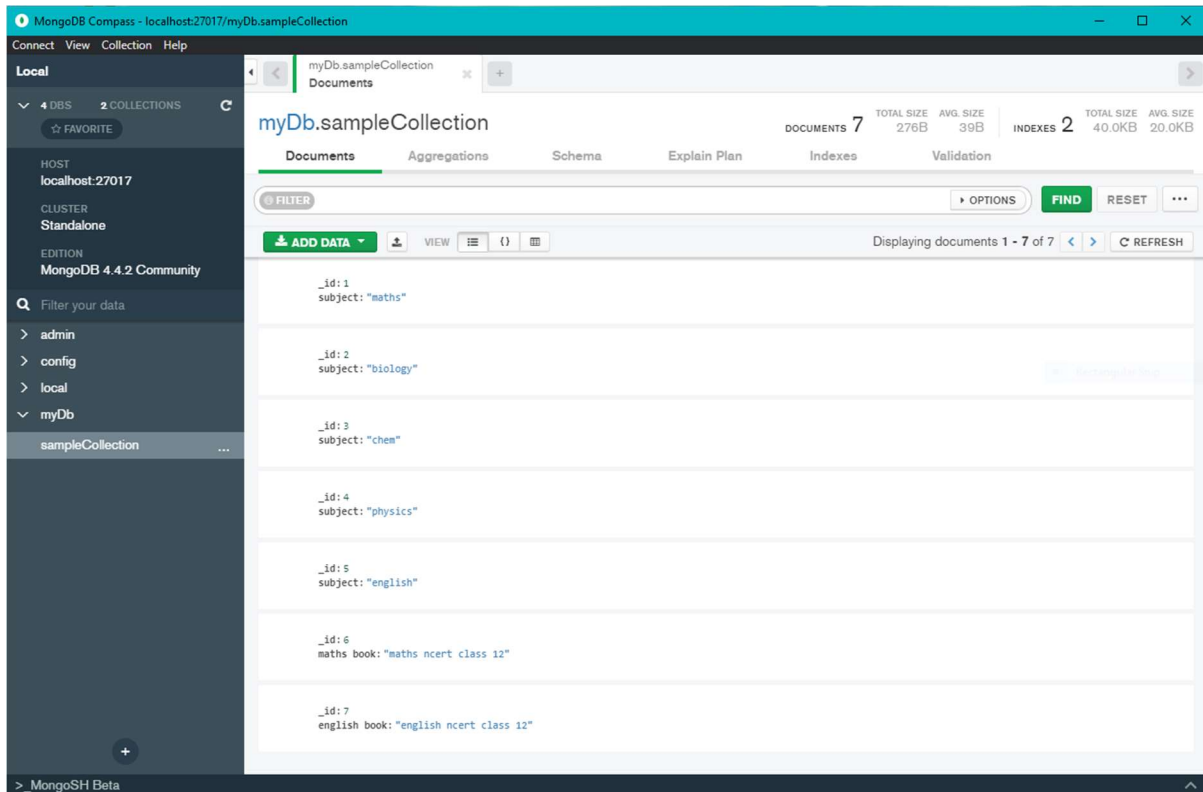
The functionality of this module is to insert the desired document or file successfully in the mongoDB data base which is latter used in the homepage GUI.

### **2) GUI – (JFrame)**

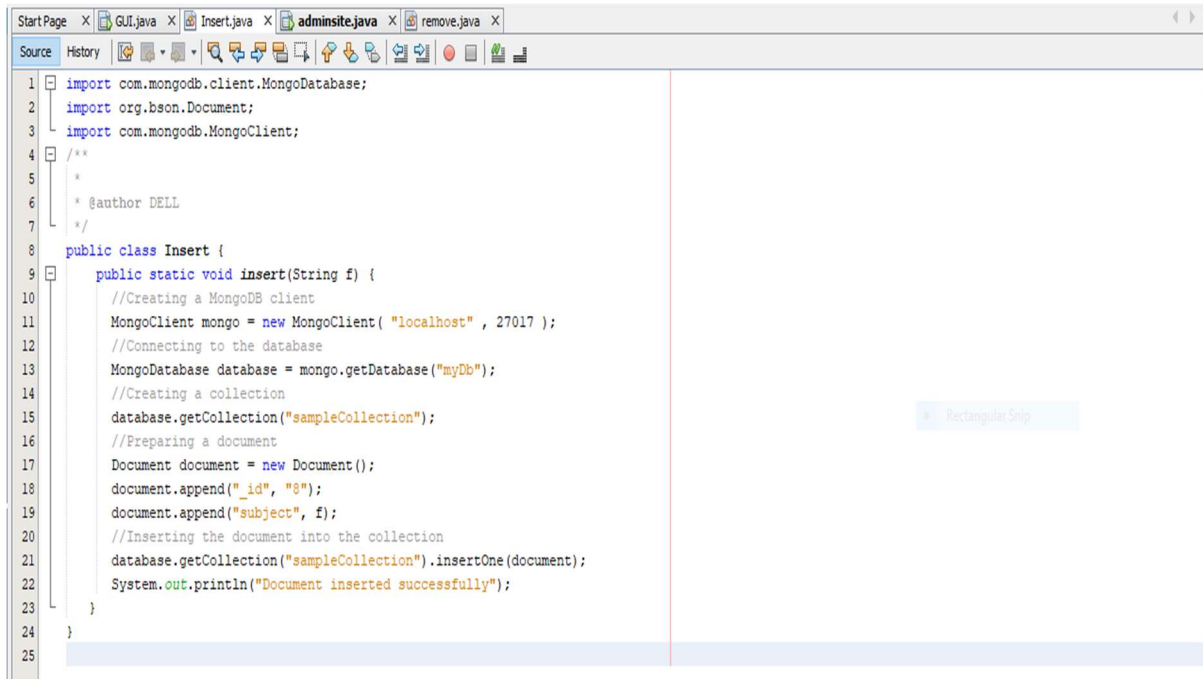
This is a Swing GUI where JFame is used. JFrame works like the main window where components like labels, buttons, textfields are added to create a GUI. Various textfields and buttons have been implemented to create the search engine GUI.

## SCREENSHOTS

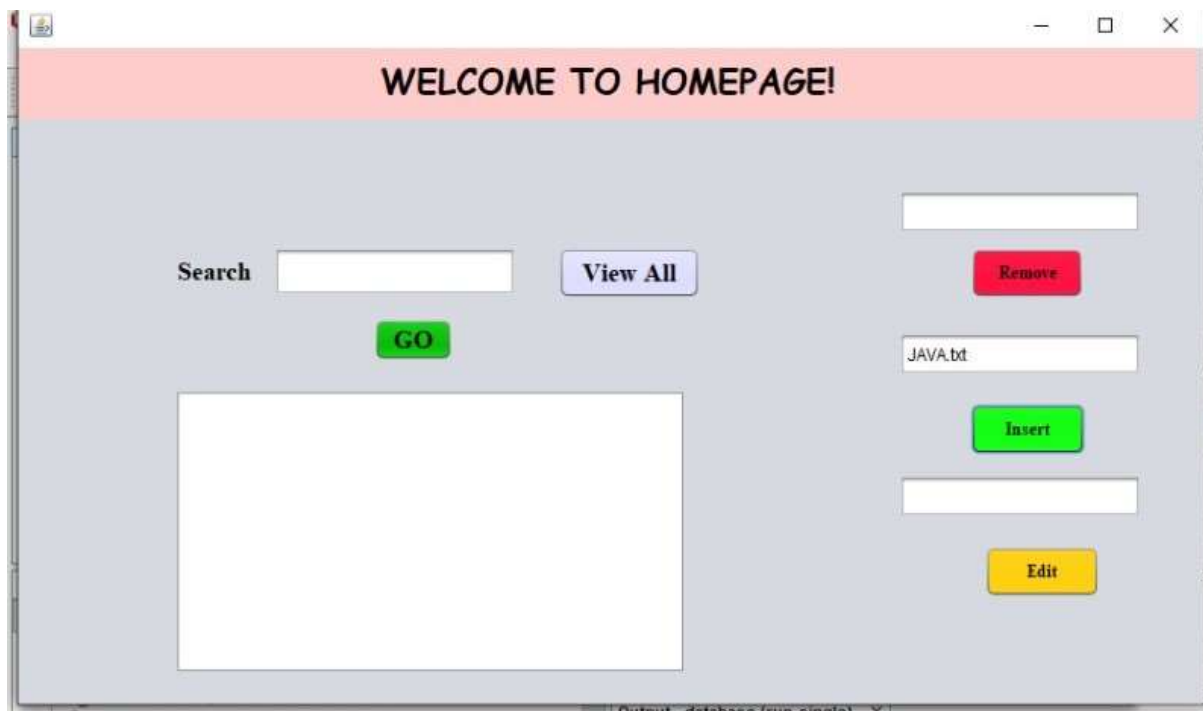
### 1) MongoDB data base:



### 2) Insert class:



3) The homepage GUI where insert class is implemented:



4) The main search engine GUI:

