IBM CAREER EDUCATION

MAIN PROJECT

DOMAIN NAME: JAVA

DICTIONARY MANAGEMENT SYSTEM

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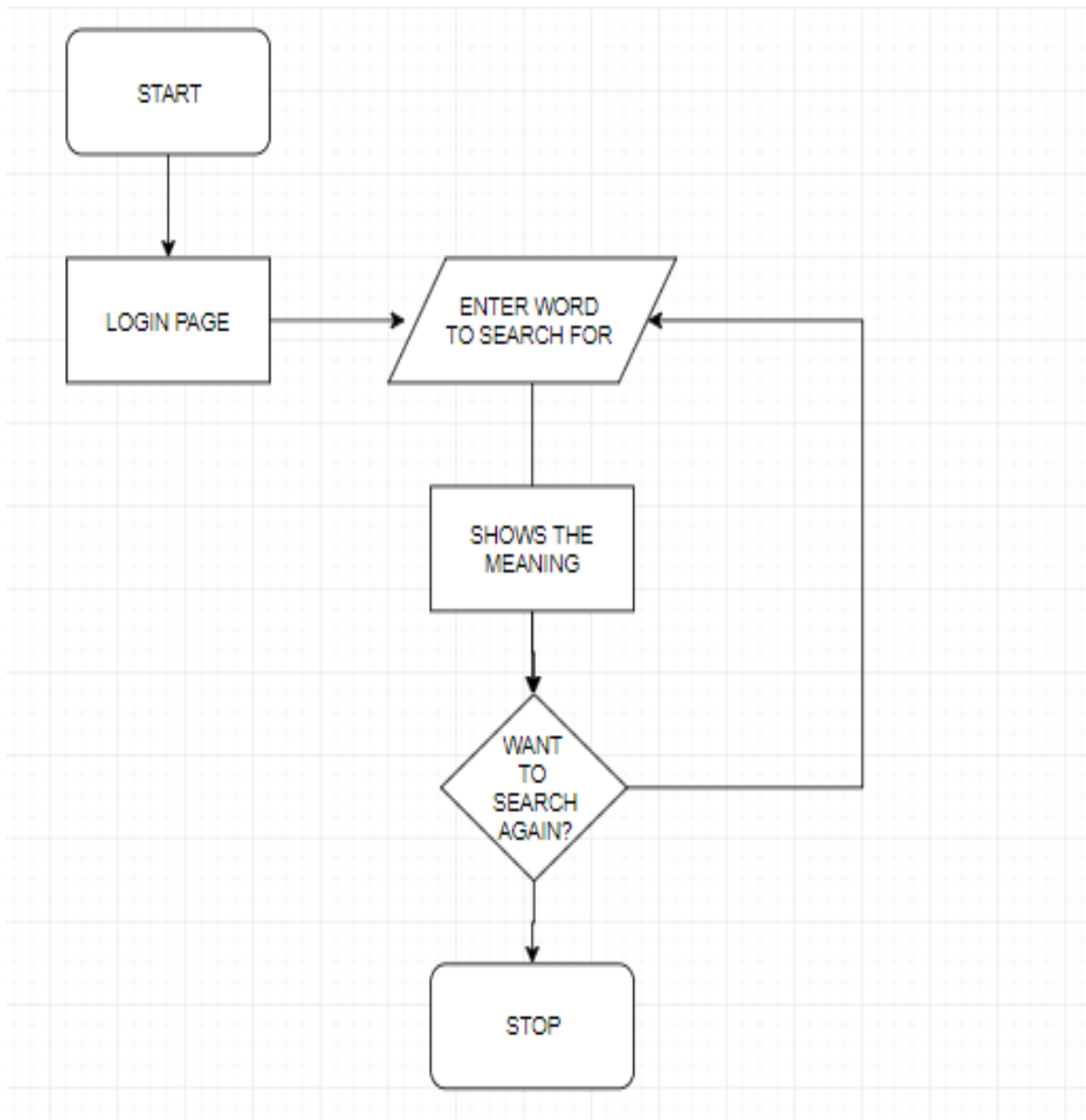II Year – (CS) 'B' Section

Ganpat University, Ahmedabad

Submitted To,

A. Saai Sanjeev Achaarya

IBM Software Technical Trainer

DICTIONARY MANAGEMENT SYSTEM

FLOW CHART

```
                    ┌──────────┐
                    │  START   │
                    └────┬─────┘
                         │
                         ▼
     ┌──────────────┐        ╱─────────────────╲
     │  LOGIN PAGE  │──────▶│   ENTER WORD      │◀──────┐
     └──────────────┘        │  TO SEARCH FOR   │       │
                              ╲─────────────────╱        │
                                       │                  │
                                       ▼                  │
                              ┌──────────────┐            │
                              │  SHOWS THE   │            │
                              │   MEANING    │            │
                              └──────┬───────┘            │
                                     │                    │
                                     ▼                    │
                                  ╱──────╲                │
                                 ╱  WANT  ╲               │
                                │    TO    │──────────────┘
                                 ╲ SEARCH ╱
                                  ╲AGAIN?╱
                                     │
                                     ▼
                              ┌──────────┐
                              │   STOP   │
                              └──────────┘
```

<u>DICTIONARY MANAGEMENT SYSTEM</u>

<u>SOFTWARE SPECIFICATION</u>

- ➢ OPERATING SYSTEM : Linux / Windows / IOS
- ➢ ENVIRONMENT : CentOS

<u>HARDWARE SPECIFICATION</u>

- ➢ PROCESSOR : I3 7TH GEN
- ➢ RAM : 2 GB RAM
- ➢ MONITOR : 15.6" IPS DISPLAY
- ➢ HARD DISK : 20 GB

DICTIONARY MANAGEMENT SYSTEM

DESCRIPTION

INTRODUCTION:

A Dictionary Management System is an enterprise resource planning system to help everyone allowing them to view any new or difficult word just by typing it.

DESCRIPTION:

It is a project which aims in developing a computerized system to maintain daily vocabulary needs for everyone. It is having a wide range of people using it and moderators can easily add new words in it. One can understand any new word's meaning just by searching it in dictionary.

PROS:

- It reduces the hassle of books.
- Updating is fast as the system is computerized.
- Can be accessible from any device of any platform as its working on JAVA.
- Searching is simple and fast just enter the correct word.

CONS:

- Software needs to be updated daily.
- Handling such a database may cause slowing of response time in program.

DICTIONARY MANAGEMENT SYSTEM PICTURES

Dictionaries

Managing Dictionary

DICTIONARY MANAGEMENT SYSTEM

AIM:

To create a computerised dictionary management system which: -

- **Login Page**
- **Search In Dictionary**
- **Logout**

HTML CODE:

```
<html>
<head>
<style>
html
{
  background: url(bgimage.jpg) no-repeat center center fixed;
  background-size: cover;
}
.pos{
        border-size:60px;
        border-style:dotted;
        border-radius:30px;
        height:300px;
        width:450px;
```

```css
            position: absolute;
            top: 50%;
            left: 50%;
            margin-right: -50%;
            transform: translate(-50%, -50%);
    }
.font{
     font-size:30px;
     font-family:algerian;
}
.but{
     background-color:grey;
     border-radius:15px;
}
h1{
     font-size:60px;
     font-family:algerian;
}
h2 {font-size:20px;
     font-family:algerian;
}
.dir{
     margin-top:70px;
     margin-left:50px;
}
</style>
<title>
Login Page::
</title>
</head>
<body>
```

```html
<center><h1>DICTIONARY MANAGEMENT
SYSTEM</h1><br></center><br>
<center><h2>--PLEASE LOGIN TO ACCESS DICTIONARY--
</h2></center>

<div class="pos">
     <form name="frm1" method="post" action="main.html"
onsubmit="f1();">
          <div class="dir">
          <table>
               <tr class="font">
                    <td><b>USERNAME</b></td>
                    <td><input type="text" style="margin-left:10px;"
required></td>
               </tr>
               <tr class="font">
                    <td><b>PASSWORD</b></td>
                    <td><input type="password" style="margin-
left:10px;" required></td>
               </tr>
          </table>

          </div>
          <p><center><button class="but font" type="submit"
value="Submit">Login</button></center></p>
     </form>
</div>
</body>
</html>
```

SCREENSHOT:
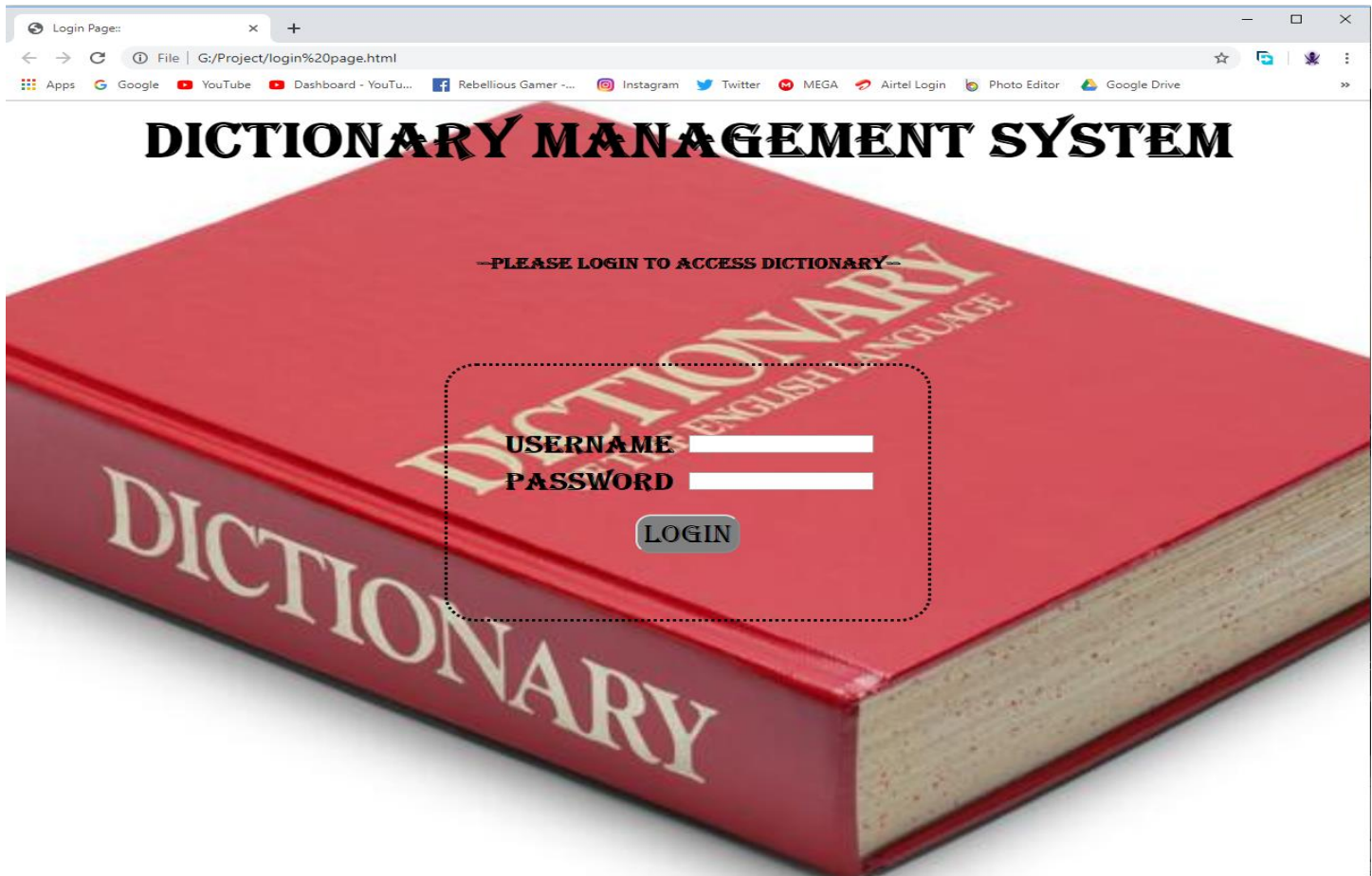
JAVA CODE:

```java
import java.util.*;
class dictionary
{ public static void main(String[] args)
    {   Scanner sc = new Scanner(System.in); int a=1,count=0;char b;
            String[] strArray = { "Abandon", " To go away forever",
"Above", " Higher than", "Baby", " Very young child who cannot walk
yet", "Bad", " Not good; Wrong","Cab"," Place where driver
seats;Taxi","Cable"," A very strong thick rope", "Daily"," Every
```

day","Damage", " Harm or injury","Eager"," Waiting very much to do
something", "Earnest", " Serious; Sincere","Zeal","
Enthusiasm,eagerness,passionate"};
         while(a!=2)
         {   count=0;
               System.out.println("### Dictionary Management System
###\n");
               System.out.print("   Enter Word: ");
               String s = sc.nextLine();
               for (int i = 0; i < strArray.length; i++)
               {
                    if(s.equals(strArray[i]))
                    {
                          System.out.println("   Meaning
is:"+strArray[i+1]+"\n"); count=1;
                    }
               }
if(count==0){System.out.println("OOPS!!! Word Not Found!!!");}
               System.out.println("Do you want to contiue(Y/N)");
               b= sc.next().charAt(0);
               if(b=='n'||b=='N')
               {
                a=2;
                System.out.println("Logging Out");
         }}}}

OUTPUT:

```
C:\Users\SOUMYA\Desktop>java dictionary
### Dictionary Management System ###

   Enter Word: Above
   Meaning is: Higher than

Do you want to contiue(Y/N)
N
Logging Out
```

```
C:\Users\SOUMYA\Desktop>java dictionary
### Dictionary Management System ###

   Enter Word: Bad
   Meaning is: Not good; Wrong

Do you want to contiue(Y/N)
```
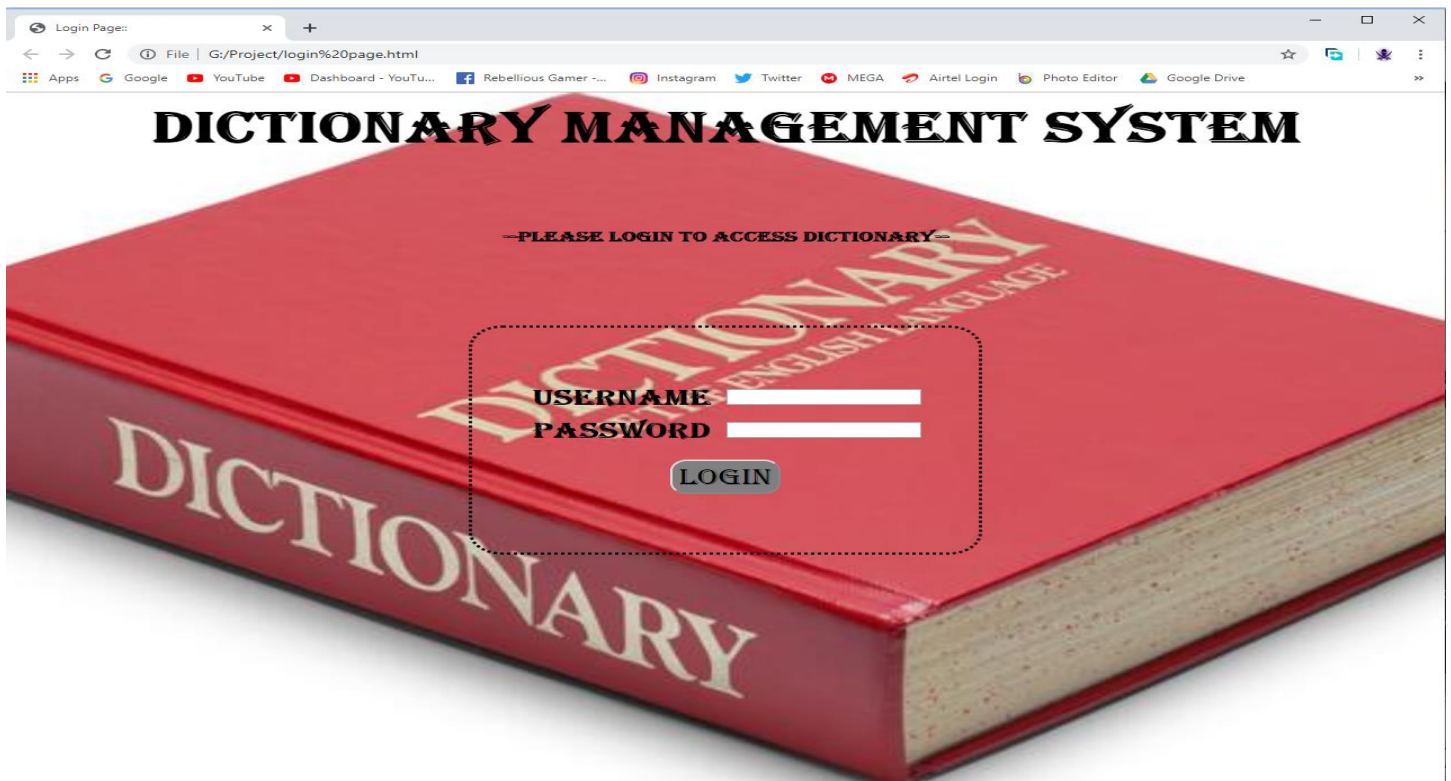
EXPLAINATION ABOUT PROJECT:

This project basically has 3 modules:

1. Login page: - Here a user has to enter his username and password to access dictionary.

2. Search Word: - Here user is asked to enter a new word to search the meaning for that.

3. Retrieving Meaning: - The program will automatically get the meaning of the word or will just give a message in case the word is unavailable in its data.

4. Logout: - It log outs user once user is done with the search.

OUTPUT SCREENSHOTS:

REFERENCES:

1. Google Images.

2. https://www.geeksforgeeks.org

CONCLUSION:

1. A better, space efficient and hassle free system to manage dictionary and search meaning of new words.

2. This project provides a computerized version of dictionary management system which will benefit everyone and save them some time from searching the meaning from a book.