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EMPLOYEE RECRUITMENT SYSTEM

Bachelor of Technology
in
Information Technology
by,

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PREPARED FOR
OBJECT ORIENTED ANALYSIS AND DESIGN
ITE1007 – PROJECT COMPONENT

Under the guidance of
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School of Information technology,
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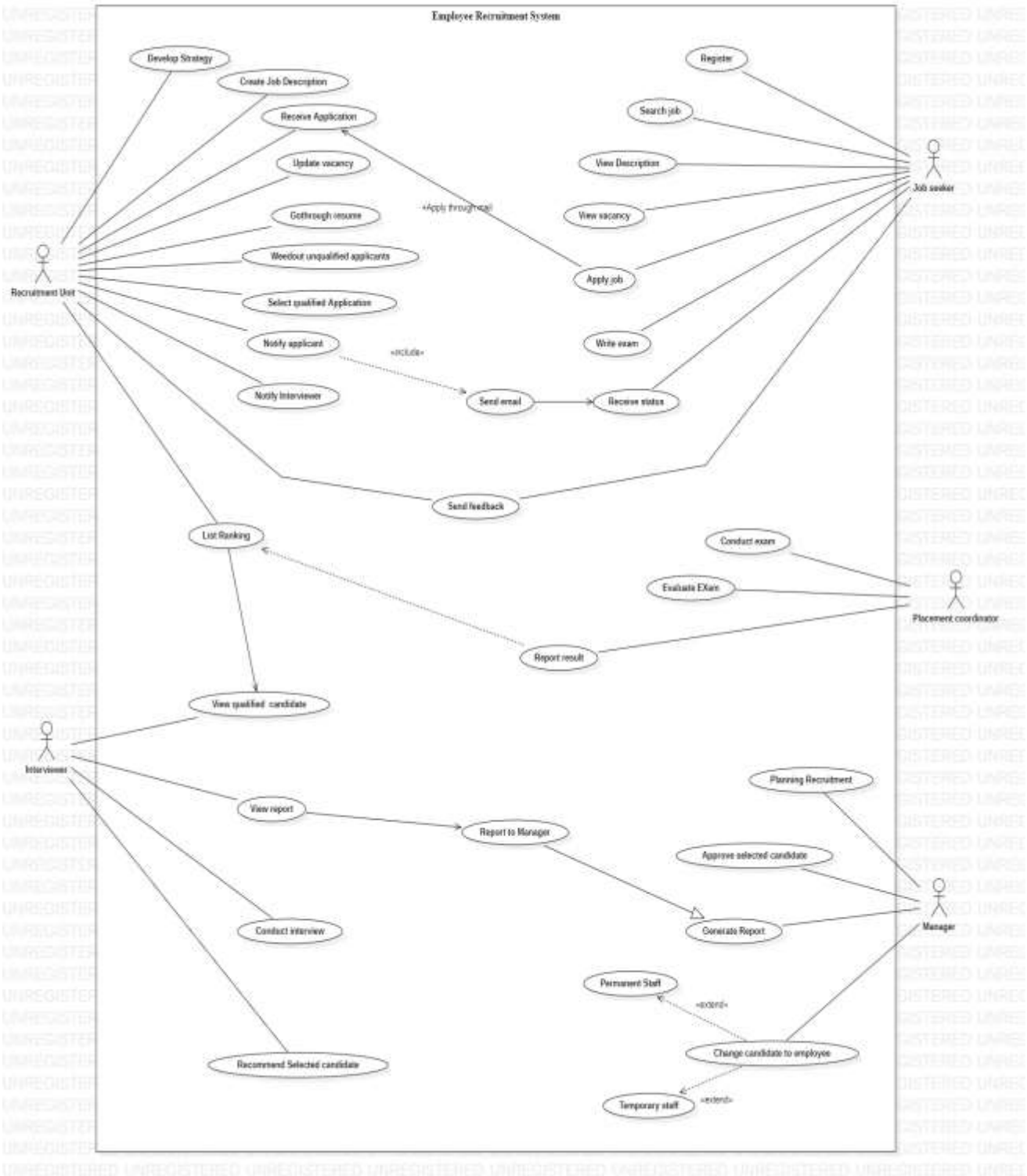
EXECUTIVE SUMMARY

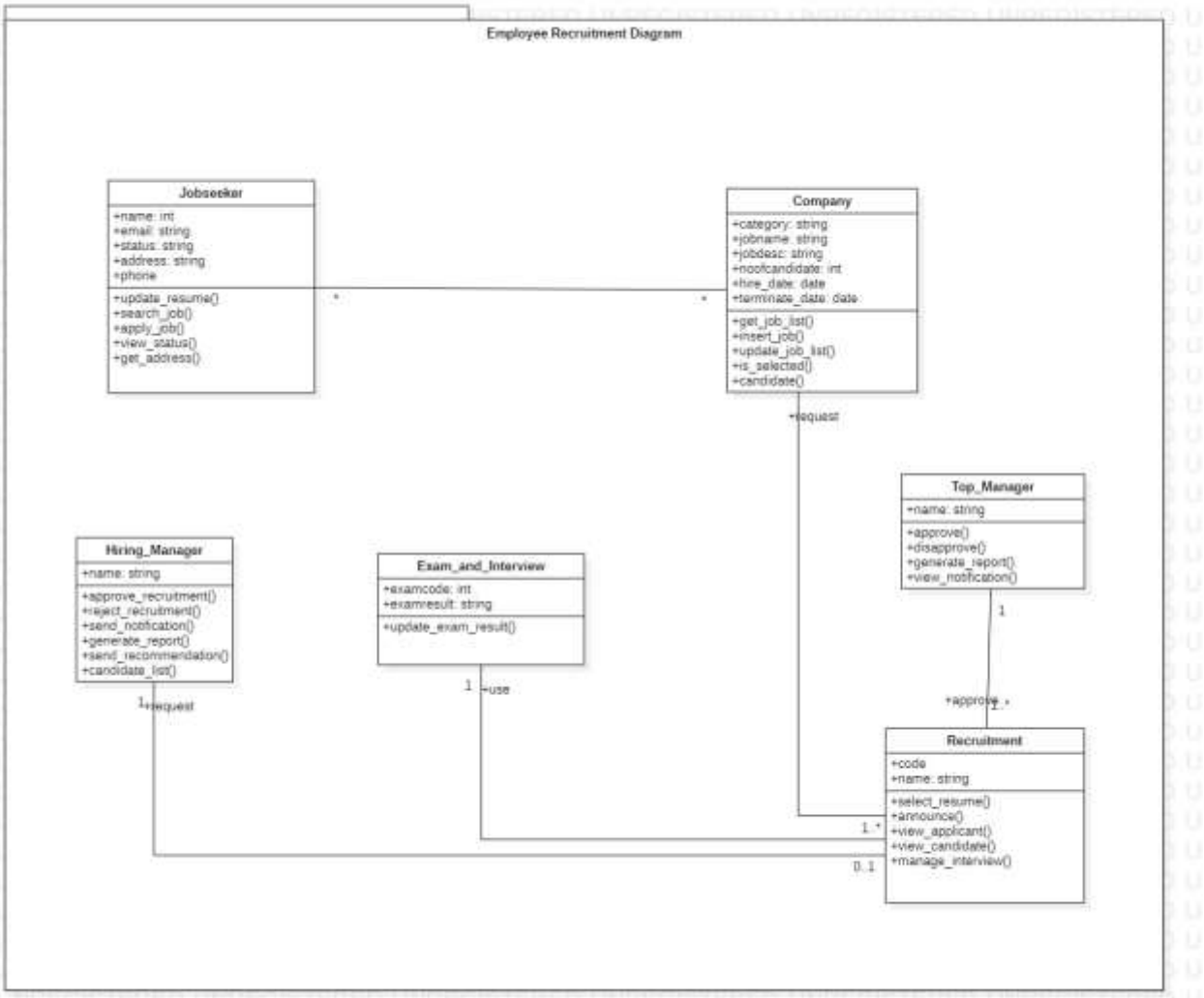
In this twenty first century everyone trying to earn money for their future . Without money no one can able to live in this world. To earn that money everyone need a job. Today there is a lots and lots of competition for a single job. In this project we design the simple way to select qualified job.

The project "*Employee Recruitment system*" is a system in which jobseekers can register themselves online, view organisation requirements and apply for the suitable job according to their qualification. Employee Recruitment System is useful for small sized and large sized companies for recruiting new members for company. Recruitment process is very long process , it takes much time to recruit a person for job. Using this system , it will reduce the budget , save and also helps to select the qualified candidate using actual method .

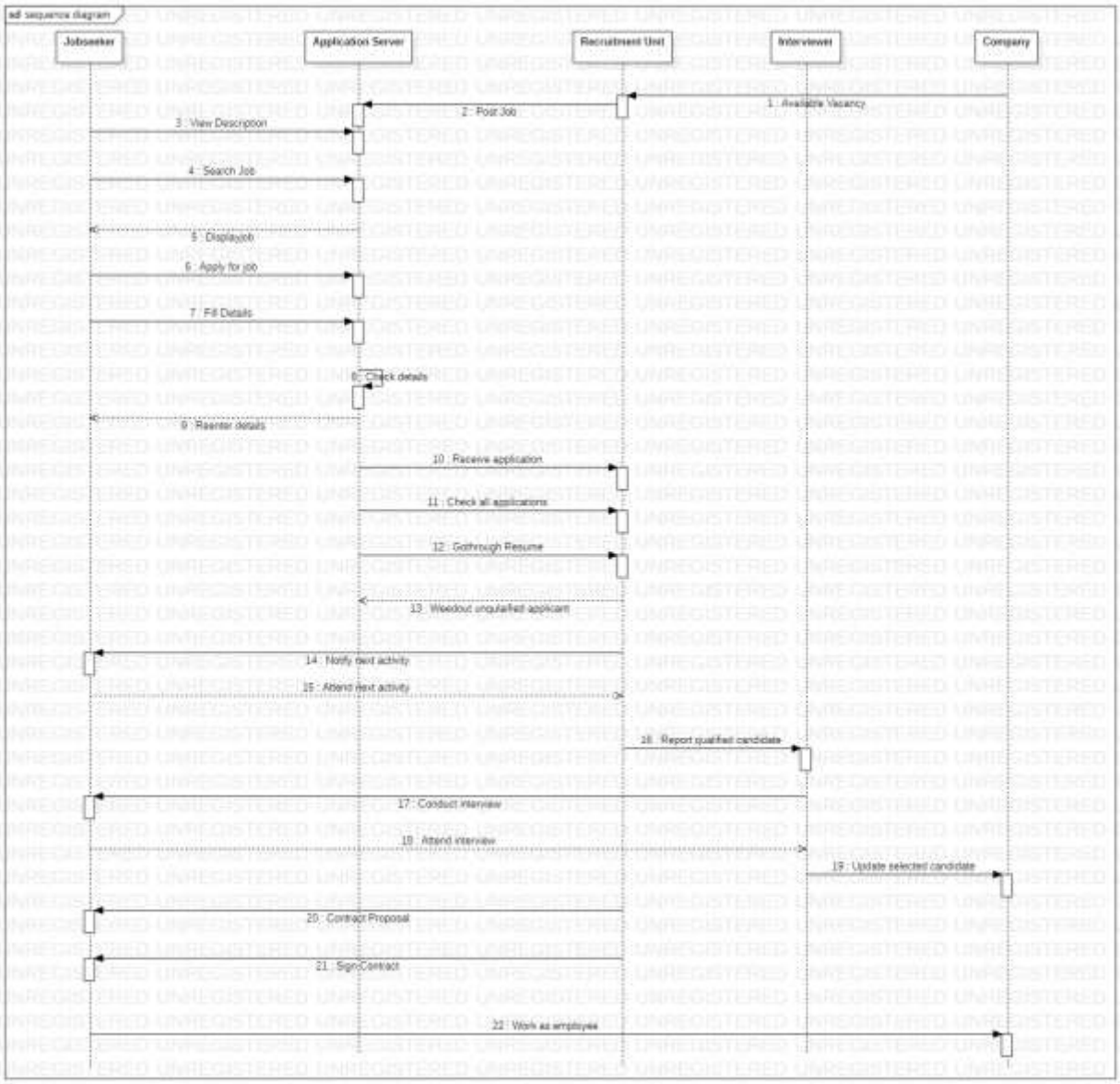
1.USECASE DIAGRAM:



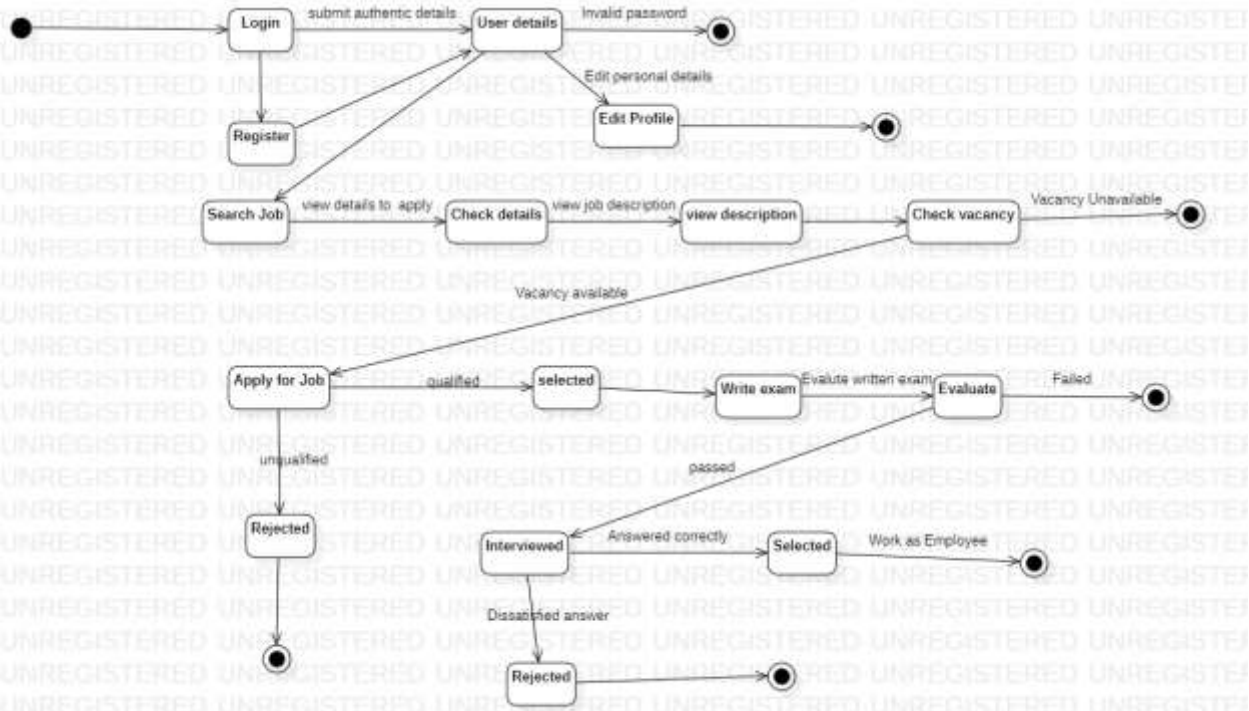
2.CLASS DIAGRAM:



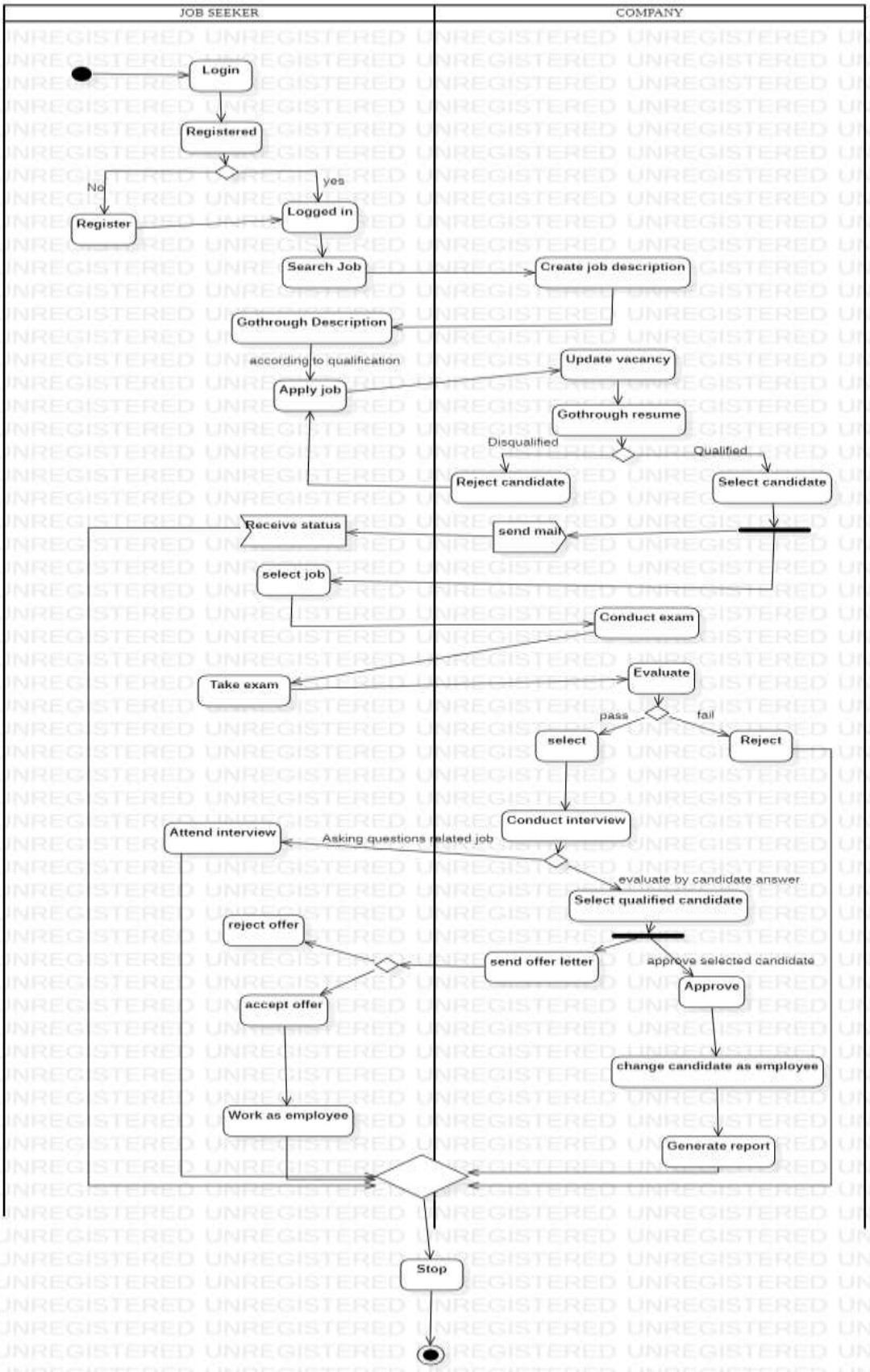
3.SEQUENCE DIAGRAM:



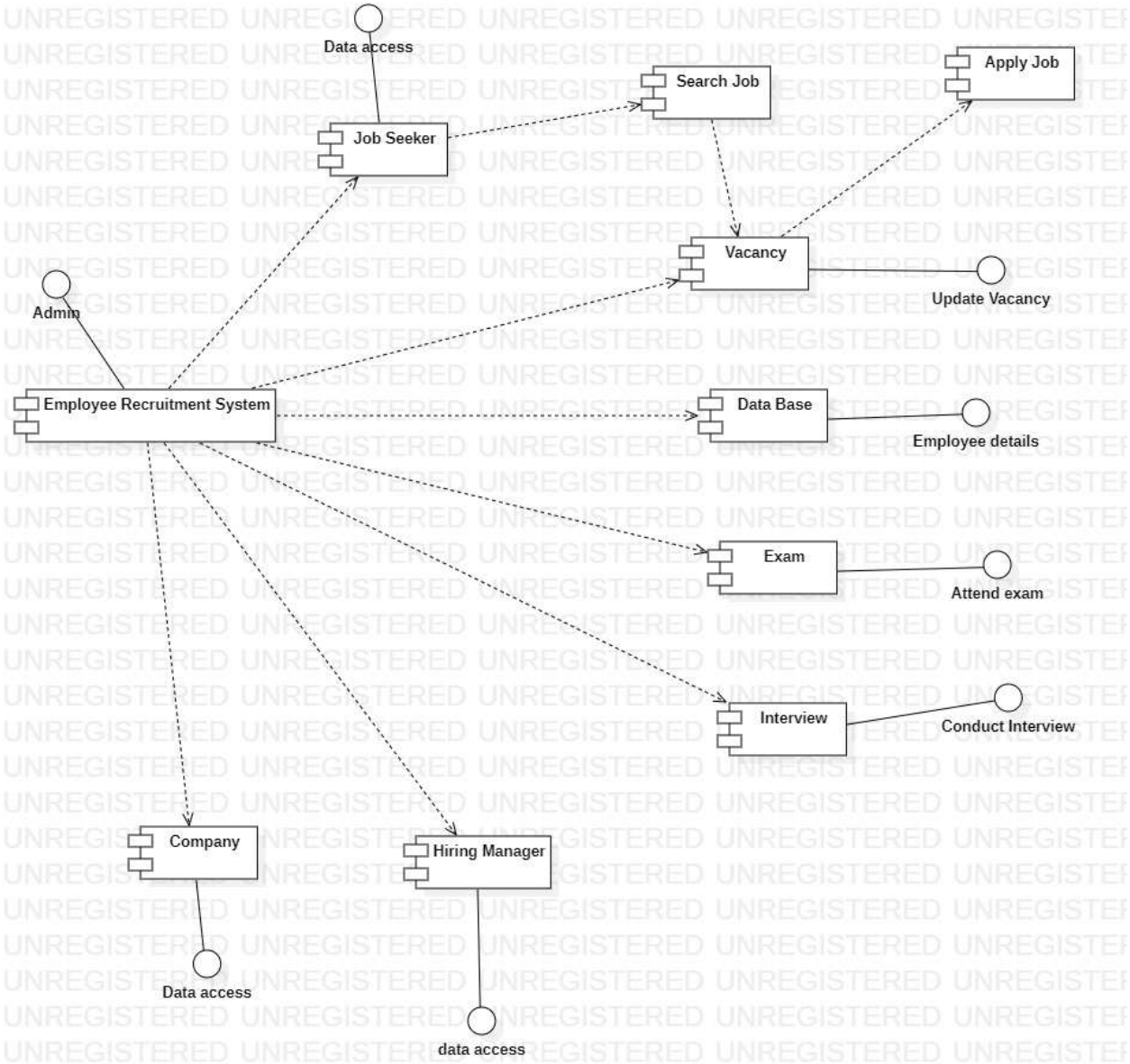
4.STATE TRANSITION DIAGRAM:



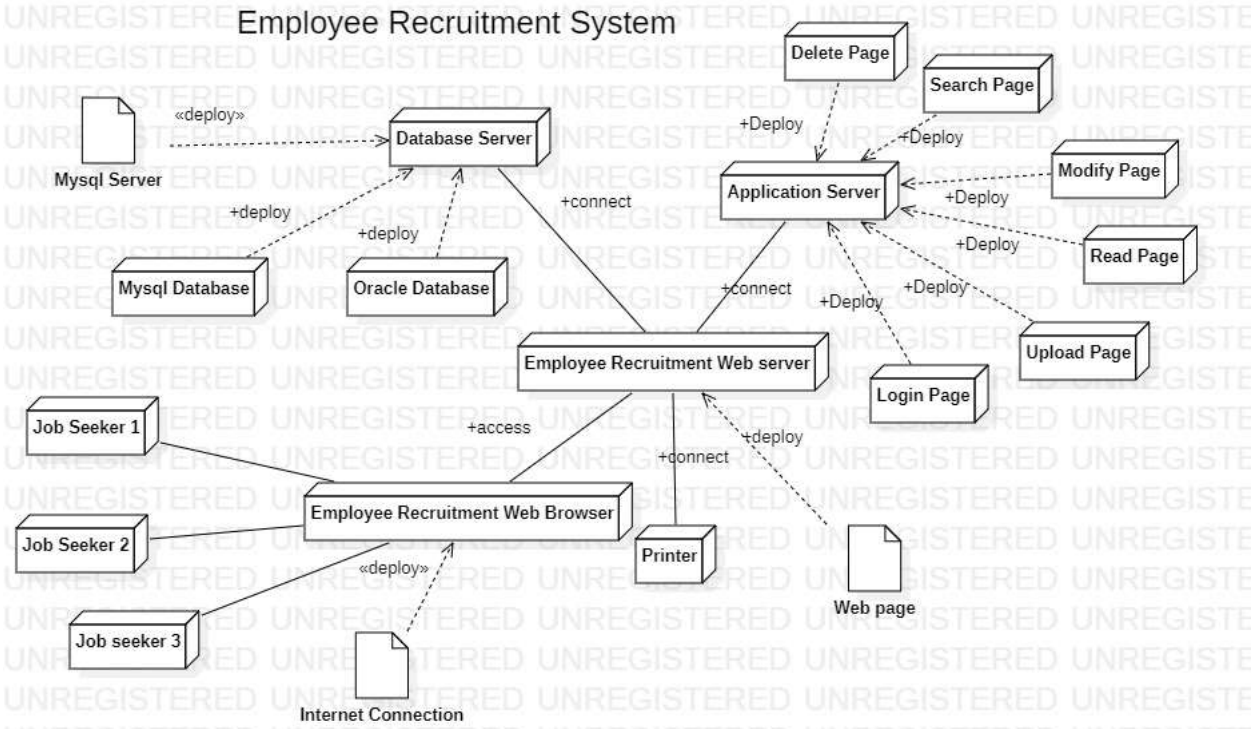
5.ACTIVITY DIAGRAM:



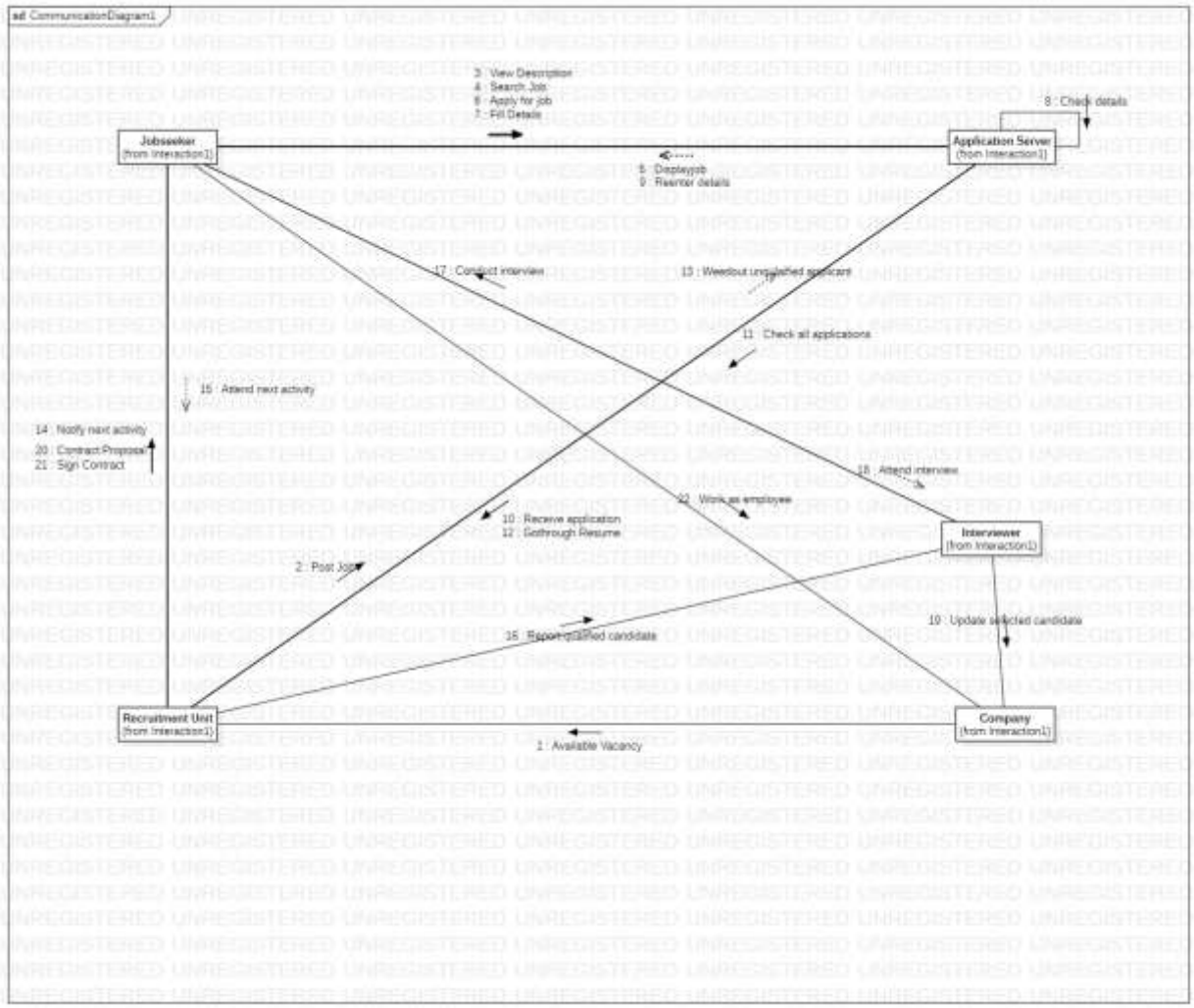
6.COMPONENT DIAGRAM:



7.DEPLOYMENT DIAGRAM:



8.COLLABORATION DIAGRAM:



CODE GENERATION

JAVA CODE IMPLEMENTATION

JOBSEEKER JAVA FILE:

```
import java.util.*;

/**
 *
 */
public class Jobseeker {

   /**
    * Default constructor
    */
   public Jobseeker() {
   }

   /**
    *
    */
   public int name;
```

```
/**
 *
 */
public string email;

/**
 *
 */
public string status;

/**
 *
 */
public string address;

/**
 *
 */
public void phone;



/**
 *
 */
```

```
public void update_resume() {
   // TODO implement here
}

/**
 *
 */
public void search_job() {
   // TODO implement here
}

/**
 *
 */
public void apply_job() {
   // TODO implement here
}

/**
 *
 */
public void view_status() {
   // TODO implement here
}
```

```
    /**
     *
     */
    public void get_address() {
        // TODO implement here
    }

}
```

RECRUITMENT JAVA FILE:

```
import java.util.*;

/**
 *
 */
public class Recruitment {

    /**
     * Default constructor
     */
    public Recruitment() {
    }
```

```
/**
 *
 */
public void code;

/**
 *
 */
public string name;


/**
 *
 */
public Exam_and_Interview use;

/**
 *
 */
public Exam_and_Interview use;

/**
 *
 */
public Company request;
```

```
/**
 *
 */
public Company request;



/**
 *
 */
public Hiring_Manager request;

/**
 *
 */
public Hiring_Manager request;

/**
 *
 */
public void select_resume() {
    // TODO implement here
}
```

```
/**
 *
 */
public void announce() {
   // TODO implement here
}

/**
 *
 */
public void view_applicant() {
   // TODO implement here
}

/**
 *
 */
public void view_candidate() {
   // TODO implement here
}

/**
 *
 */
public void manage_interview() {
```

```
        // TODO implement here
    }

}
```

TOP MANAGER JAVA FILE:

```
import java.util.*;

/**
 *
 */
public class Top_Manager {

    /**
     * Default constructor
     */
    public Top_Manager() {
    }

    /**
     *
     */
```

```
public string name;

/**
 *
 */
public Set<Recruitment> approve;

/**
 *
 */
public Set<Recruitment> approve;

/**
 *
 */
public void approve() {
   // TODO implement here
}

/**
 *
 */
public void disapprove() {
   // TODO implement here
}
```

```
    /**
     *
     */
    public void generate_report() {
        // TODO implement here
    }

    /**
     *
     */
    public void view_notification() {
        // TODO implement here
    }

}
```

COMPANY JAVA FILE:

```
import java.util.*;

/**
 *
 */
public class Company {
```

```
/**
 * Default constructor
 */
public Company() {
}

/**
 *
 */
public string category;

/**
 *
 */
public string jobname;

/**
 *
 */
public string jobdesc;

/**
 *
 */
```

```
public int noofcandidate;

/**
 *
 */
public date hire_date;

/**
 *
 */
public date terminate_date;




/**
 *
 */
public void get_job_list() {
   // TODO implement here
}

/**
 *
```

```
 */
public void insert_job() {
   // TODO implement here
}

/**
 *
 */
public void update_job_list() {
   // TODO implement here
}

/**
 *
 */
public void is_selected() {
   // TODO implement here
}

/**
 *
 */
public void candidate() {
   // TODO implement here
}
```

```
}
```

HIRING MANAGER JAVA FILE:

```
import java.util.*;

/**
 *
 */
public class Hiring_Manager {

    /**
     * Default constructor
     */
    public Hiring_Manager() {
    }

    /**
     *
     */
    public string name;
```

```
/**
 *
 */
public void approve_recruitment() {
   // TODO implement here
}

/**
 *
 */
public void reject_recruitment() {
   // TODO implement here
}

/**
 *
 */
public void send_notification() {
   // TODO implement here
}

/**
 *
 */
```

```
    public void generate_report() {
        // TODO implement here
    }

    /**
     *
     */
    public void send_recommendation() {
        // TODO implement here
    }

    /**
     *
     */
    public void candidate_list() {
        // TODO implement here
    }

}
```

CPP CODE IMPLEMENTATION

JOBSEEKER CPP CODE:

```
/**
 * Project Untitled
 */


#include "Jobseeker.h"

/**
 * Jobseeker implementation
 */


void Jobseeker::update_resume() {

}

void Jobseeker::search_job() {

}
```

```
void Jobseeker::apply_job() {

}

void Jobseeker::view_status() {

}

void Jobseeker::get_address() {

}
```

RECRUITMENT CPP CODE:

```
/**
 * Project Untitled
 */


#include "Recruitment.h"

/**
 * Recruitment implementation
 */


void Recruitment::select_resume() {
```

```
}

void Recruitment::announce() {

}

void Recruitment::view_applicant() {

}

void Recruitment::view_candidate() {

}

void Recruitment::manage_interview() {

}
```

COMPANY CPP CODE:

```
/**
 * Project Untitled
 */


#include "Company.h"
```

```
/**
 * Company implementation
 */


void Company::get_job_list() {

}

void Company::insert_job() {

}

void Company::update_job_list() {

}

void Company::is_selected() {

}

void Company::candidate() {

}
```

TOP MANAGER CPP CODE:

```
/**
 * Project Untitled
 */


#include "Top_Manager.h"

/**
 * Top_Manager implementation
 */


void Top_Manager::approve() {

}

void Top_Manager::disapprove() {

}

void Top_Manager::generate_report() {

}
```

```
void Top_Manager::view_notification() {

}
```

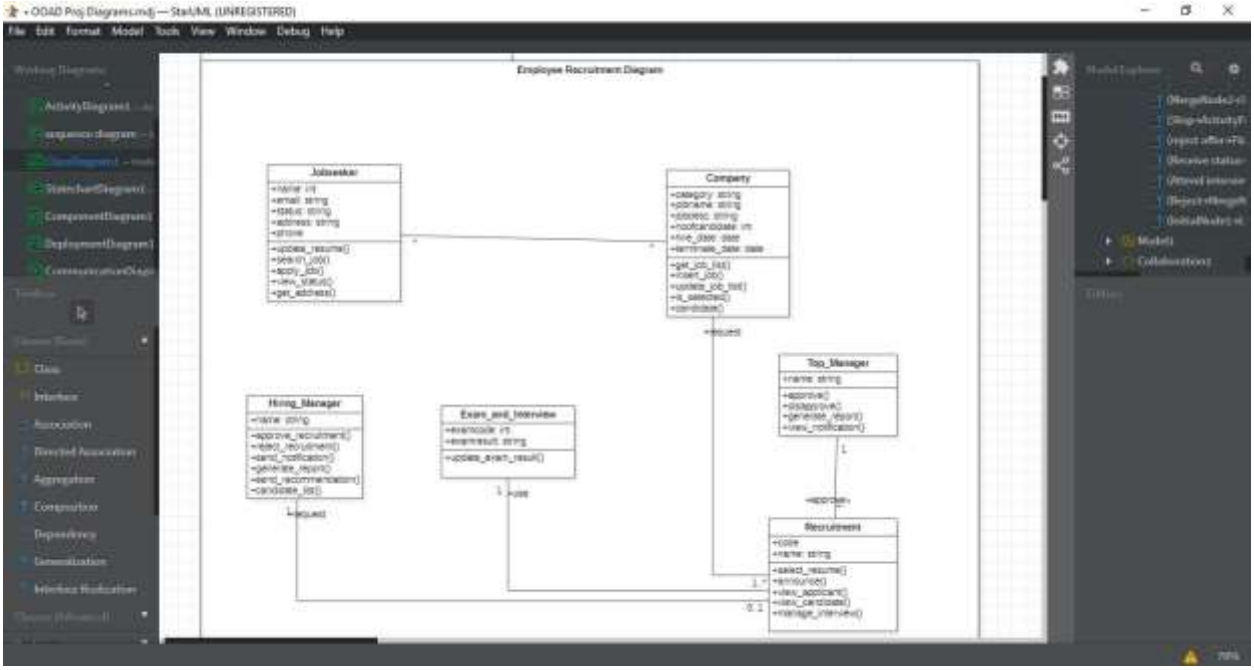
HIRING MANAGER CPP CODE:

```
/**
 * Project Untitled
 */


#include "Hiring_Manager.h"

/**
 * Hiring_Manager implementation
 */


void Hiring_Manager::approve_recruitment() {

}

void Hiring_Manager::reject_recruitment() {

}
```

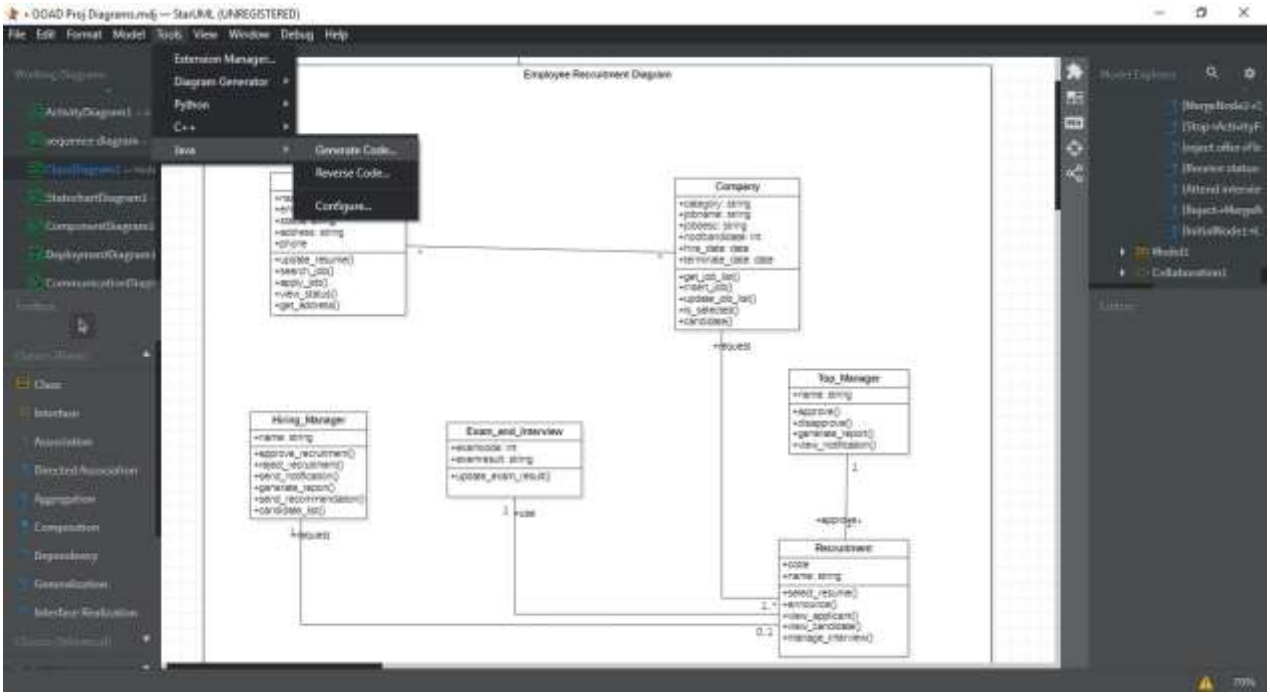
```
void Hiring_Manager::send_notification() {

}

void Hiring_Manager::generate_report() {

}

void Hiring_Manager::send_recommendation() {

}

void Hiring_Manager::candidate_list() {

}
```

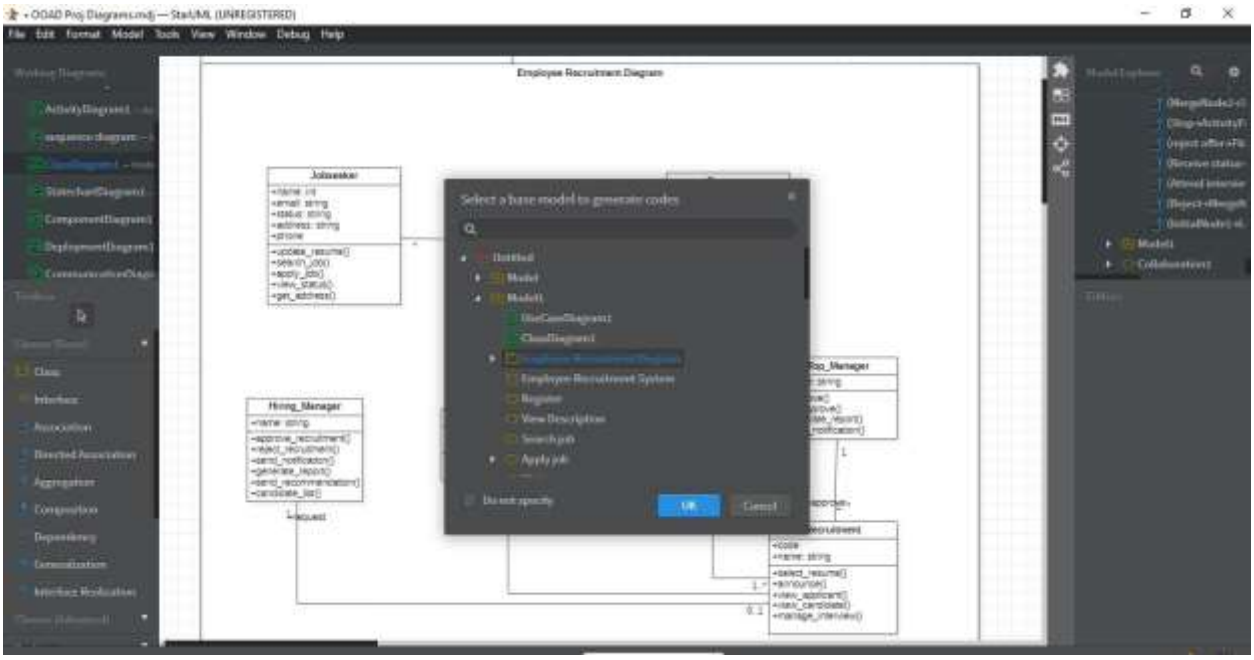
CODE GENERATION PROCESS SCREENSHOT

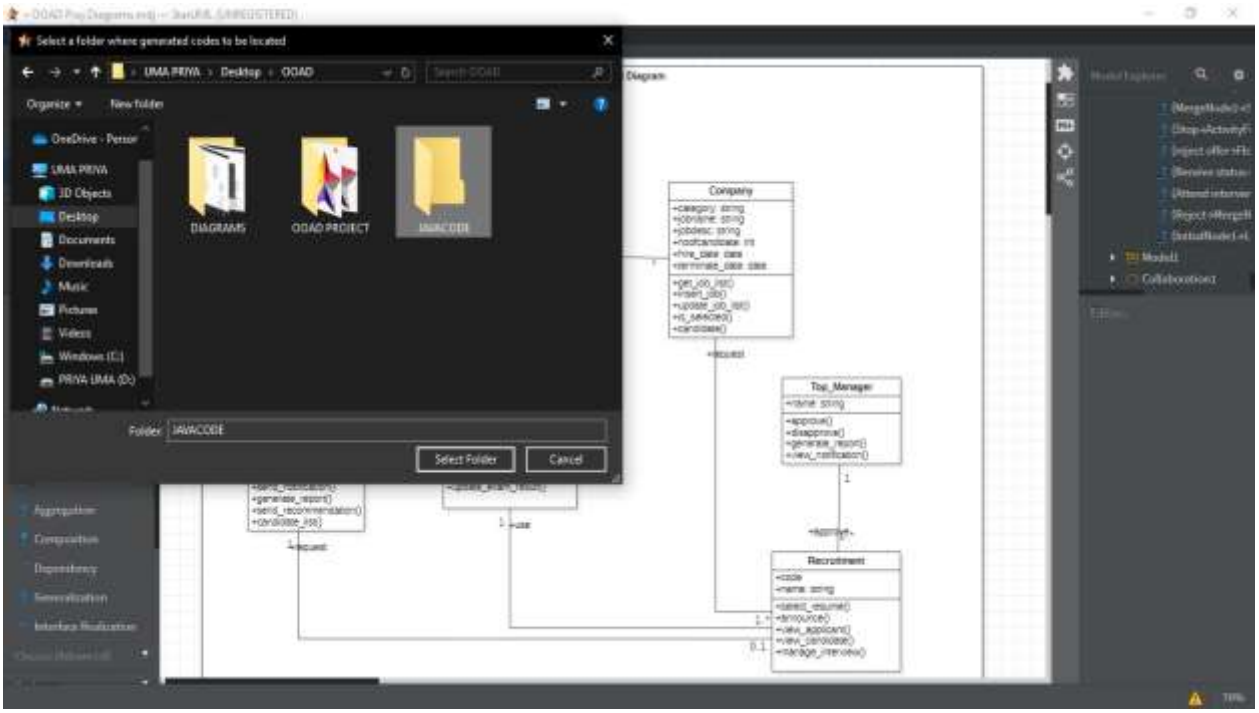
EXAMPLE USING CLASS DIAGRAM:

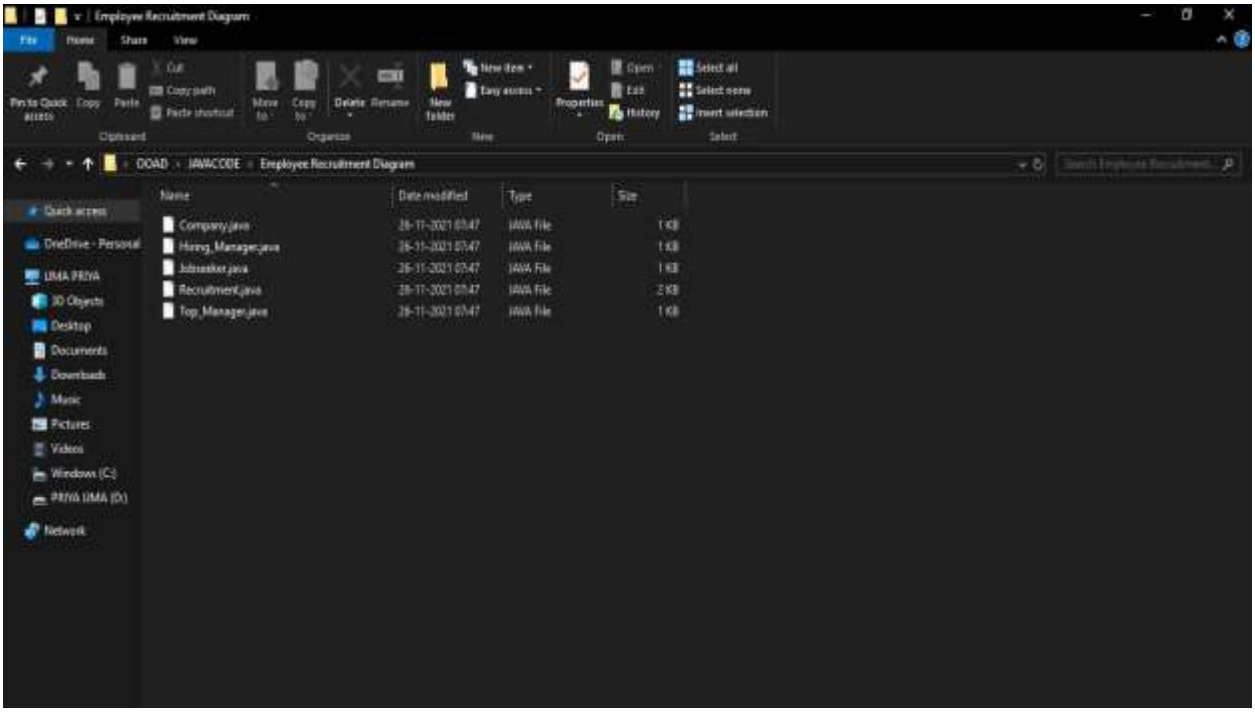


STEP BY STEP PROCESS OF GENERATING CODE:

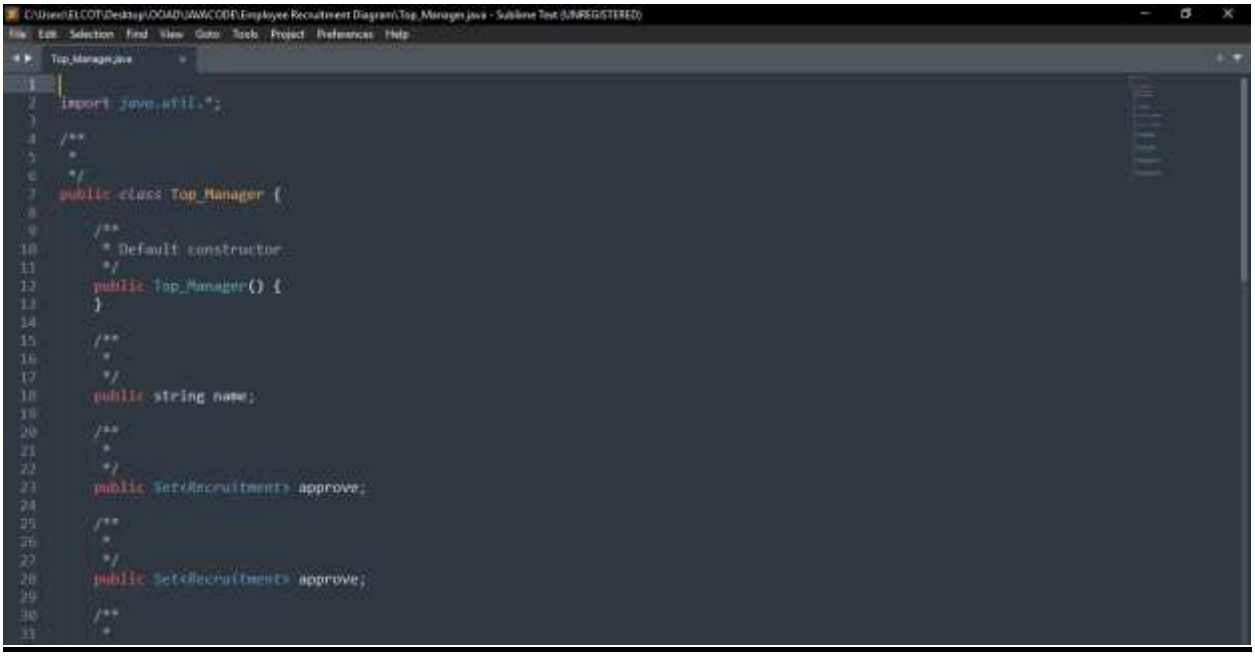


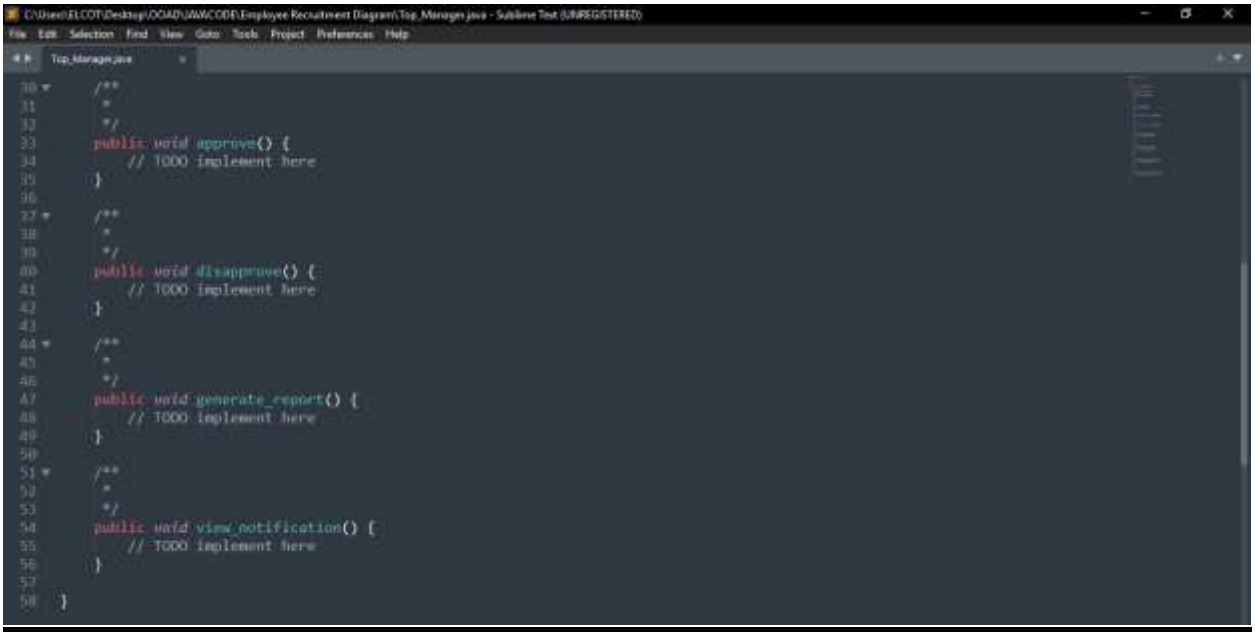

Employee Recruitment Diagram
Select a base model to generate codes
Jobseeker
Hiring_Manager
Company
Recruitment


Select a folder where generated codes to be located
DIAGRAMS
OOAD PROJECT
JAVACODE
Folder
Select Folder
Cancel
Diagram
Company
Recruitment



CODE GENERATED:





CONCLUSION:

Here we are done all the UML diagrams using the STARUML software design tool and the diagrams will be clear for all class models, methods and interface between the objects. Also, we are generated code for the diagrams in java and c++ programming language.