

Detail Design
On
Student Tuition Finder

Course No: CSE 3204

Course Title: Software Engineering and Information System Project

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Class User

```
{  
    Void setUserID(String UserID)  
    String getUserID()  
    Void setEmail(String Email)  
    String getEmail( )  
    Void setPassword(String Password)  
    String getPassword()  
    Boolean CreateUser()  
    Boolean DeleteUser(String UserID)  
    Boolean UpdateUser()  
}
```

Class UserRole

```
{  
    Void setUserRole(String Role)  
    String getUserRole()  
    Boolean setUserRole(String Role)  
}
```

Class UserDetails

```
{  
    Void setUserFirstName(String FirstName)  
    String getUserFirstName();  
    Void setUserMiddleName(String MiddleName)  
    String getUserMiddleName();  
    Void setUserLastName(String LastName)  
    String getUserLastName();  
    Boolean updateFirstName(String FirstName)  
    Boolean updateMiddleName(String MiddleName)  
    Boolean updateLastName(String LastName)  
}
```

Class ContractNumber

```
{  
    Void setPhoneNumber(String PhoneNumber)  
    String getPhoneNumber()  
    Boolean deletePhoneNumber()  
    Boolean updatePhoneNumber(String PhoneNumber)  
}
```

Class UserAddress

```
{  
  
    Void setRoadNum(String RoadNumber)  
    String getRoadNum()  
  
    Void setRoadName(String RoadName)  
    String getRoadName()  
  
    Void setBuildingName(String BuildingName)  
    String getBuildingName()  
  
    Void setAreaName(String Area)  
    String getAreaName()  
  
    Void setDistrict(String District)  
    String getDistrict()  
  
}
```

Class Post

```
{  
  
    Void setPostID(String ID)  
    String getPostID()  
  
    Void setRole(String Role)  
    String getRole()  
  
    Void setAmmount(String Salary)  
    String getAmmount()  
  
    Void setPostDate(String Date)  
  
}
```

```
String getPostDate()

Boolean createPost()

Boolean updatePost()

Boolean deletePost()

}

Class Subject
{

    Void setUser(String UserID)

    Void userRole(String UserID)

    Void setSubject(String Subject)

    String getSubject()

    ArrayList<String> getAllTeachersOfThatSubject()

    ArrayList<String> getAllStudentsOfThatSubject()

}

Class TuitionLocation
{

    Void setLocation(String location)

    String getLocation()

    Void setRole(String Role)

    String getRole()

    ArrayList<String> getAllTeacherOfThatLocation()

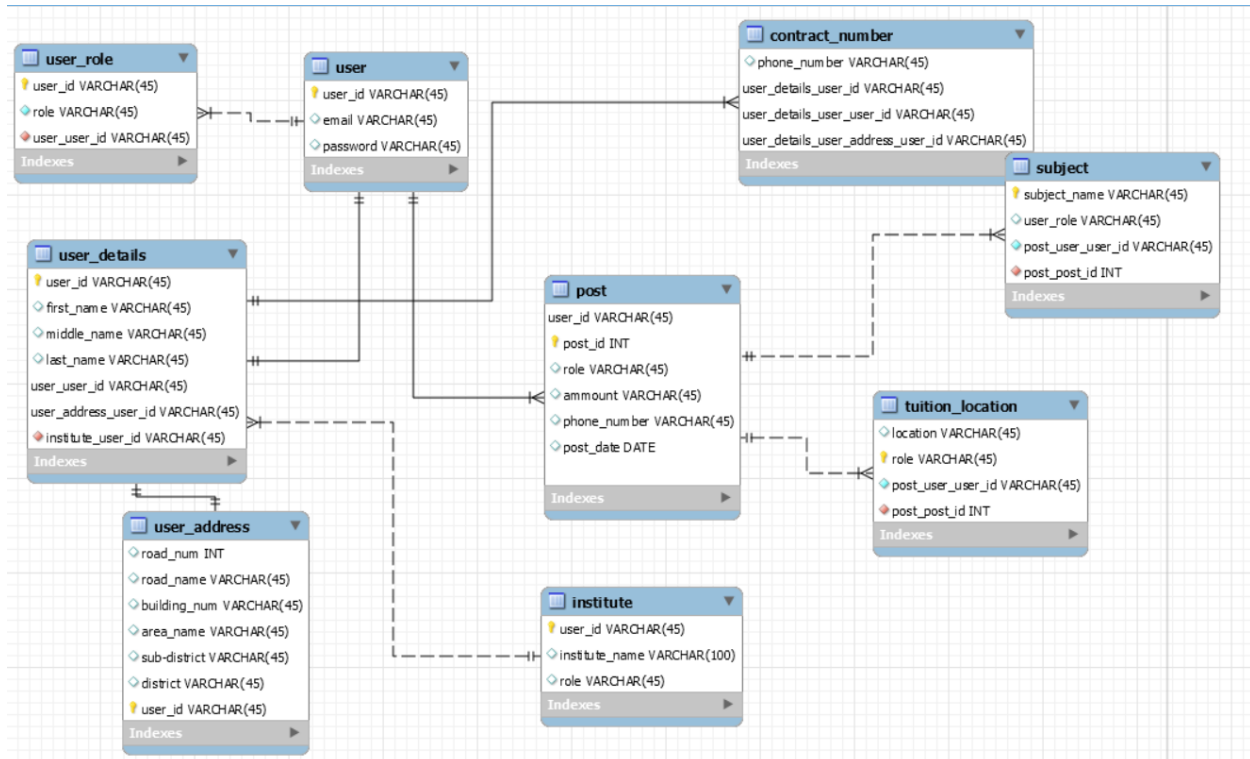
    ArrayList<String> getAllStudentOfThatLocation()

}
```

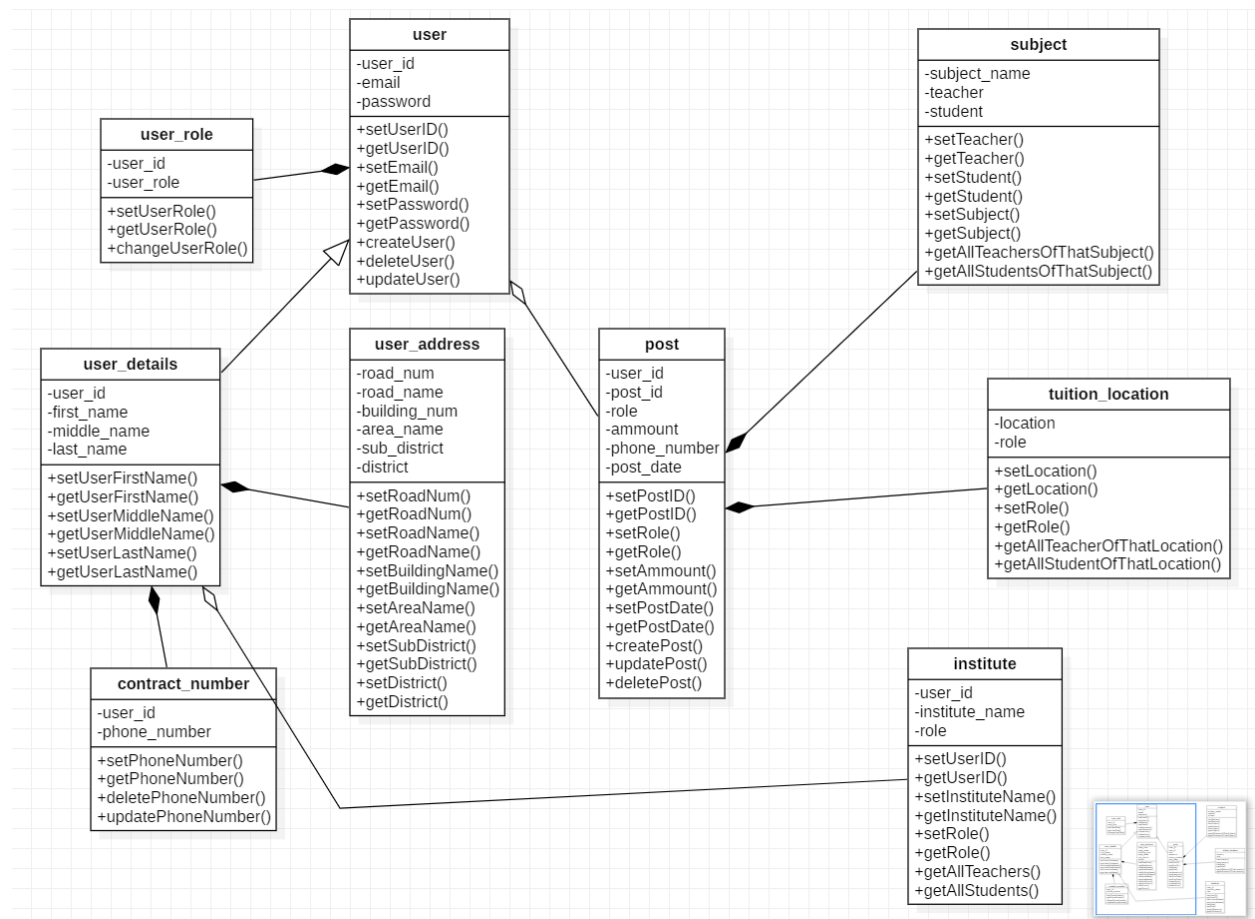
Class Institute

```
{  
    Void setStudentID(String ID)  
    String getUserID()  
    Void setInstituteName(String name)  
    String getInstituteName()  
    Void setRole(String Role)  
    String getRole()  
    ArrayList<String> getAllTeachers()  
    ArrayList<String> getAllStudents()  
}
```

E-R Diagram:



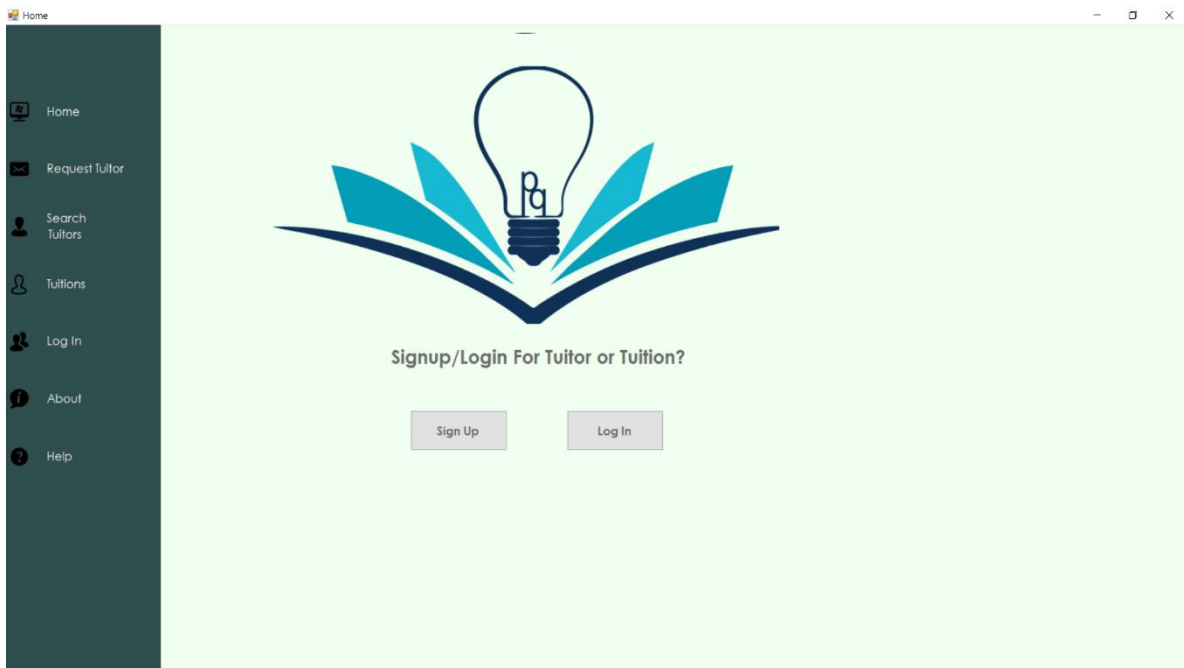
Class Diagram:



Website Layout:

Home Page:

- This is the home page of the project.
- User can see all options of the site.
- Here Sign Up button is used for creating new user and Log In button is used for log in (if user already has an account).
- User can also see the other options of the website without log in.
- If user wants to request for a tuition, he/she must log in.



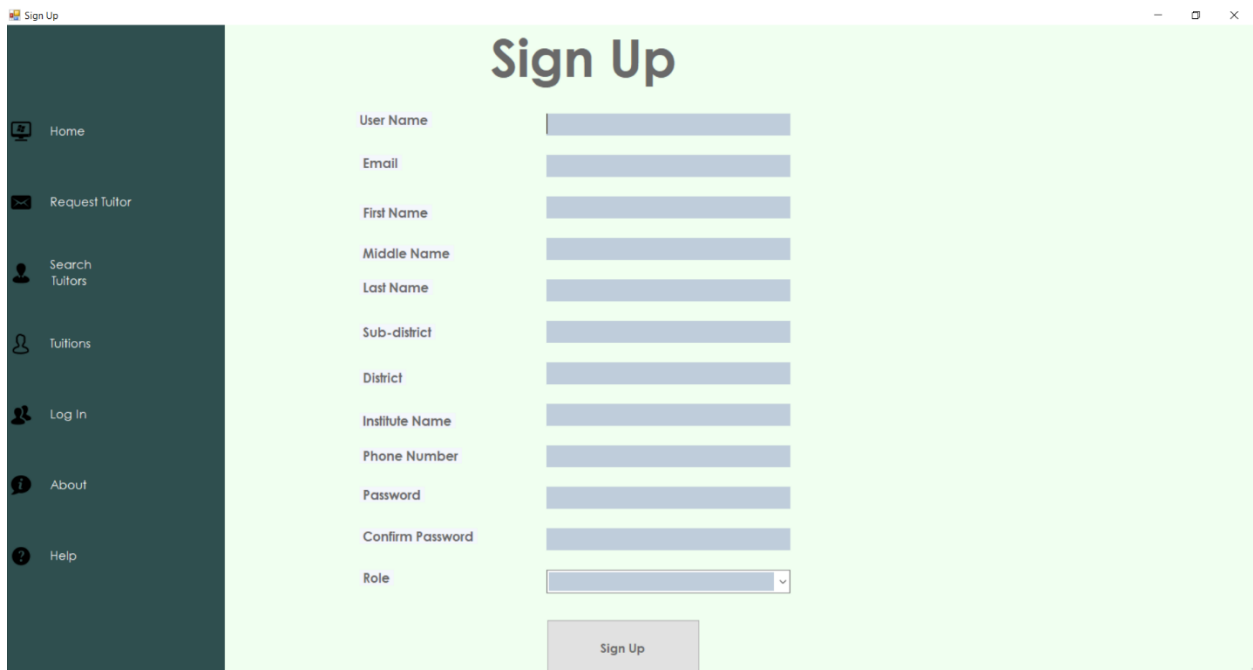
Log In:

- If user click on Log In button, he/she will see this page.
- Here user needs to put his/her Username and password and click on Log in button to log in his/her account.
- If user doesn't have any account, he/she needs to click on 'Don't Have an Account?' hyperlink to create an account.
- User can log in from sidebar Log In option and that will show other pages.

The screenshot shows a web application interface. On the left is a dark teal sidebar with a vertical list of navigation items, each with an icon and text: 'Home' (house icon), 'Request Tutor' (magnifying glass icon), 'Search Tutors' (person icon), 'Tutorials' (book icon), 'About' (info icon), and 'Help' (question mark icon). The main content area has a light green background. At the top center of this area is the text 'Log In' in a large, bold, dark font. Below this text are two horizontal input fields. The first is labeled 'User Name' and the second is labeled 'Password'. Below the input fields is a rectangular button with the text 'Log In'. Below the button is a blue hyperlink that reads 'Don't Have an Account?'. The browser window's title bar at the top shows 'Log In' and standard window control buttons (minimize, maximize, close).

Sign Up:

- If User click on Sign Up button from home page or click 'Don't Have an Account?' from Log In page, He/she will see this sign up page.
- User has to fulfill these required information.
- And click Sign Up button to create an account.
- Here role option will select if user wants to create his/her account as an teacher or student.



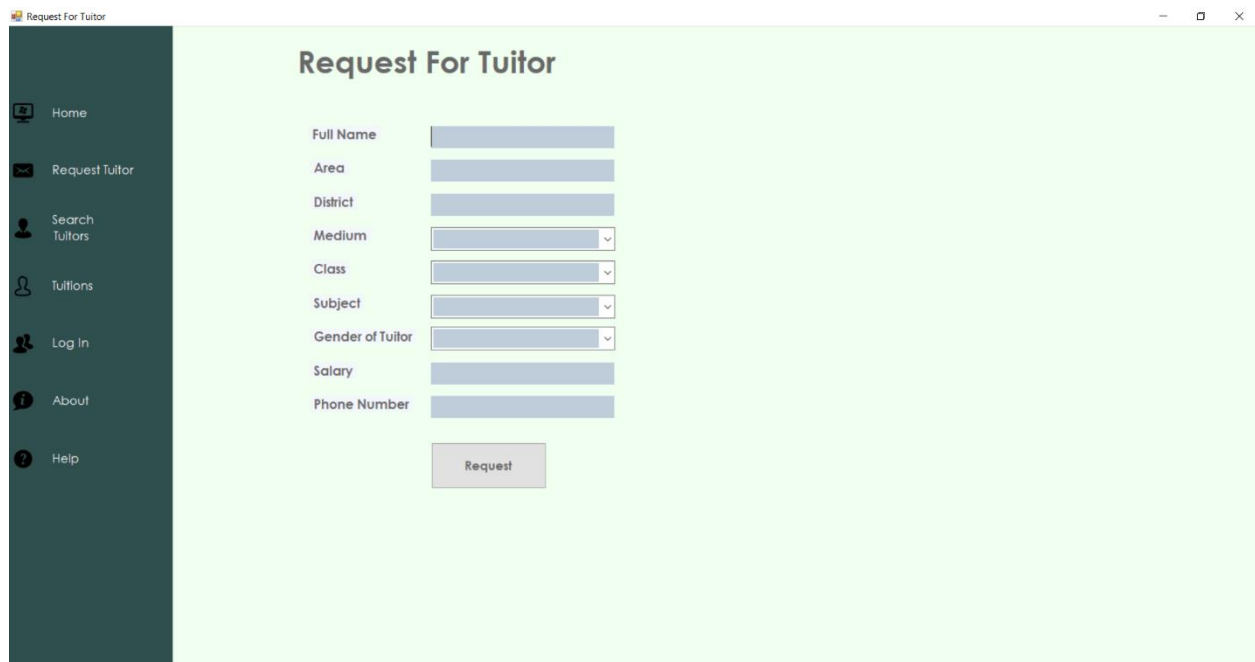
The screenshot shows a web application window titled "Sign Up". On the left is a dark green sidebar with navigation links: Home, Request Tutor, Search Tutors, Tutions, Log In, About, and Help. The main content area has a light green background and is titled "Sign Up" in large, bold, dark grey text. Below the title, there is a form with the following fields: User Name, Email, First Name, Middle Name, Last Name, Sub-district, District, Institute Name, Phone Number, Password, Confirm Password, and Role. Each text field is represented by a light blue horizontal bar. The Role field is a dropdown menu. At the bottom of the form is a grey button labeled "Sign Up".

Field	Type
User Name	Text
Email	Text
First Name	Text
Middle Name	Text
Last Name	Text
Sub-district	Text
District	Text
Institute Name	Text
Phone Number	Text
Password	Text
Confirm Password	Text
Role	Dropdown

Sign Up

Request For Tutor:

- Here user can request for a circular for tuition.
- He/she needs to fulfill the requirements and click on Request button.
- If user doesn't have an account, he/she can't post.



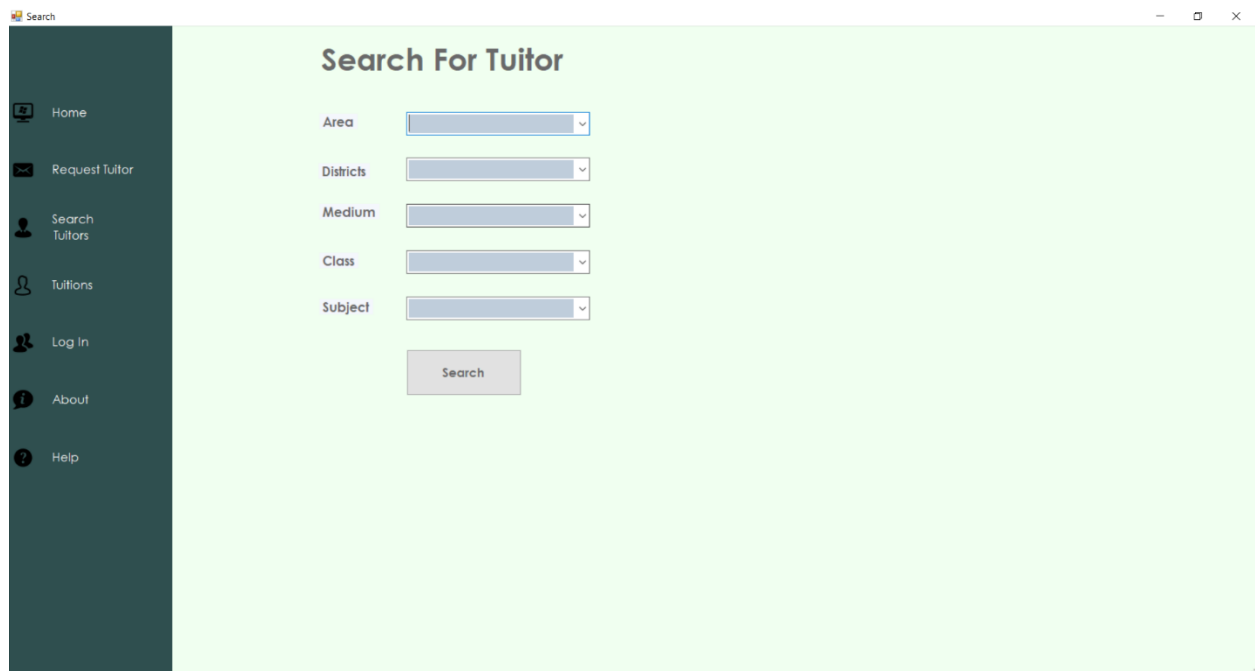
The screenshot shows a web application window titled "Request For Tutor". On the left is a dark green sidebar with navigation links: Home, Request Tutor, Search Tutors, Tuitions, Log In, About, and Help. The main content area has a light green background and is titled "Request For Tutor". It contains a form with the following fields: Full Name, Area, District, Medium (a dropdown menu), Class (a dropdown menu), Subject (a dropdown menu), Gender of Tutor (a dropdown menu), Salary, and Phone Number. Each field is represented by a light blue input box. Below these fields is a grey button labeled "Request".

Field	Type
Full Name	Text Input
Area	Text Input
District	Text Input
Medium	Dropdown Menu
Class	Dropdown Menu
Subject	Dropdown Menu
Gender of Tutor	Dropdown Menu
Salary	Text Input
Phone Number	Text Input

Request

Search Tutors:

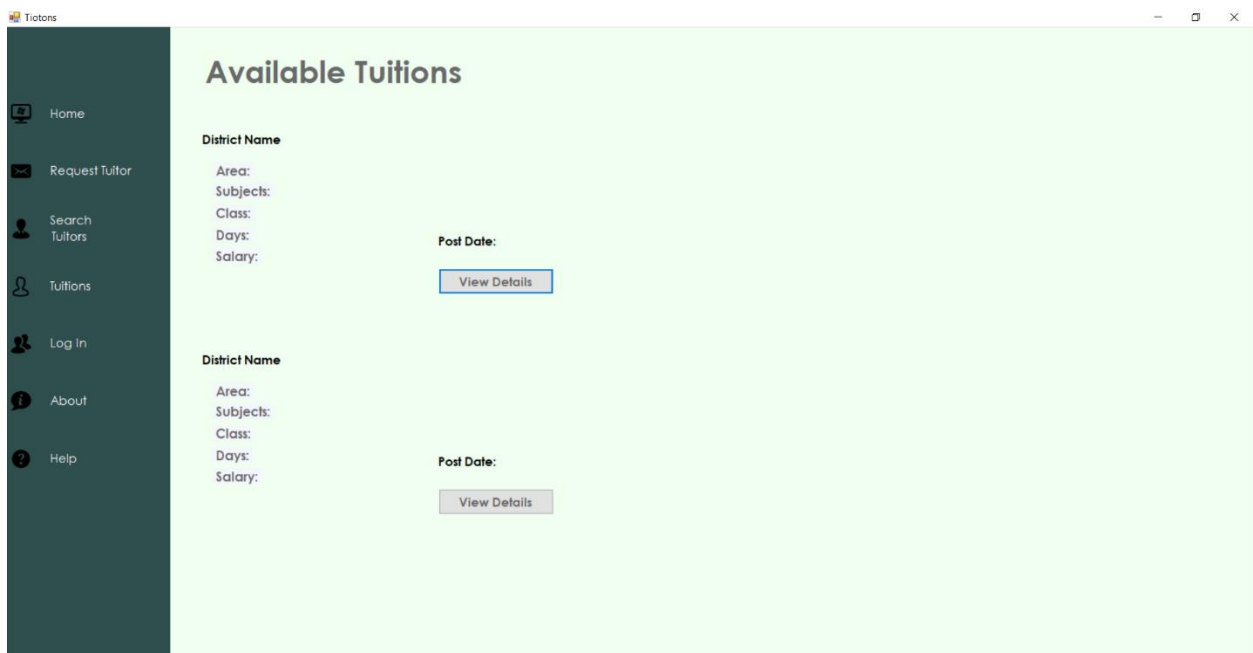
- User can search for tutors using this page.
- He/she can use as many filter options showing in the user interface.
- If he/she doesn't select any of them, he/she can't see any result.



The screenshot displays a web application window titled "Search". On the left is a dark teal sidebar with navigation links: Home, Request Tutor, Search Tutors (highlighted), Tutorials, Log In, About, and Help. The main content area has a light green background and is titled "Search For Tutor". It contains five filter dropdown menus labeled "Area", "Districts", "Medium", "Class", and "Subject", each with a blue border and a downward arrow. Below these filters is a grey "Search" button. The window includes standard OS window controls (minimize, maximize, close) in the top right corner.

Tuitions:

- When user clicks this option, he/she will see a page where all the circular for the tuitions.
- If he/she clicks on the View Details button of a circular, it will show full information of the post.



Help:

- In this page, if user clicks on 'How it works?' hyperlink, it will show the user manual of the site.
- If user face any problem while using the site, he/she can report us and give his/her email address, so we can send the feedback of the problem.

Help

Home

Request Tutor

Search Tutors

Tutions

Log In

About

Help

[How it works?](#)

Let us know about your complain

Your Email

Submit