

CSC 440 Final Project: eLounge

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Elaboration Document 1

By:

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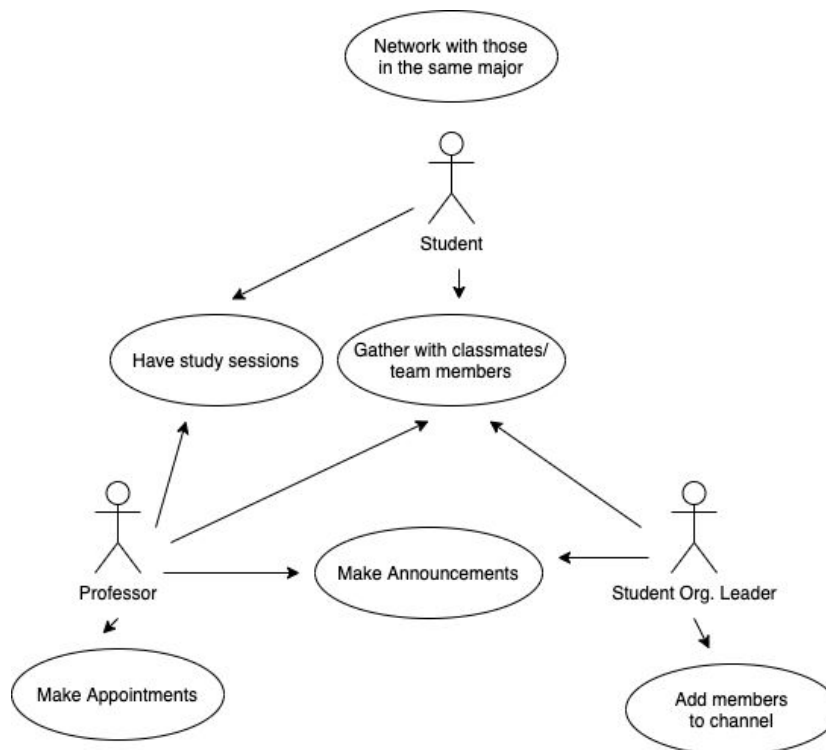
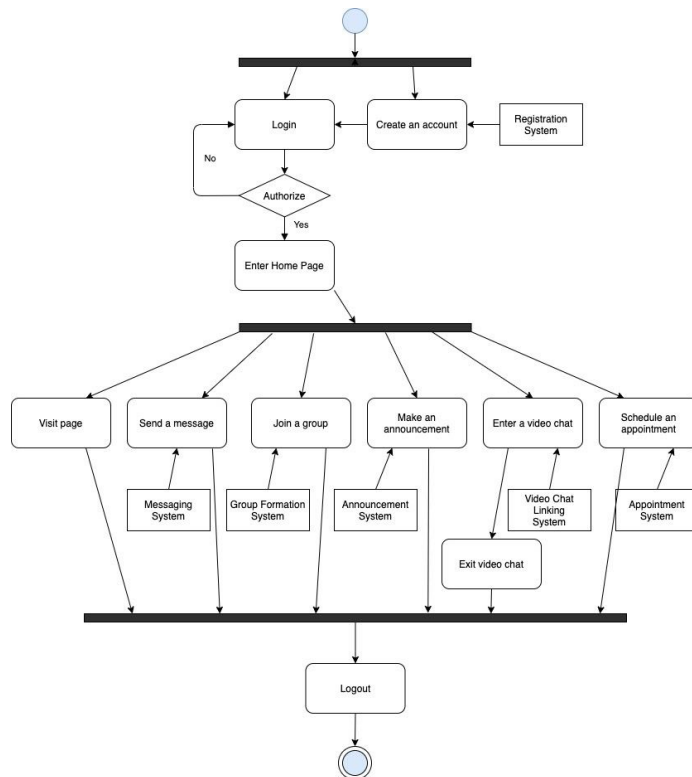
Johnny Leon

Kyle Voight

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Use Case/Activity Diagram



Architecture

Objective

We wanted to figure out the most appropriate diagram used in the previous assignment to convey the time-tracking system's routines in the clearest possible way. Our preference for the chosen diagram would either be an interaction model or a structural model, since we have a clear idea of who the users are, and how they intend to use the system.

Summary

In the end, we've decided that the structural model, specifically the ER diagram, would be the most accurate representation of the time-tracking system. Although the use-case model would have been helpful outlining the actions for each actor and system, the ER diagram has a greater amount of features that include non-actors, characteristics, inheritance, quantities, and multi-directional relationships. Since the time-tracking system is meant to be a database, I think it's preferable to use an ER diagram.

Explanation of Chosen Model

Since each of our users have a variety of people, objects, and functions available to them, we wanted to use the diagram that coordinates each of those functions in the most clear way possible. The ER diagram is preferable in regards to the way we illustrate the interactions between users, objects, and services. Instead of portraying our services as actors (e.g. the payroll authorization service), we should portray them as entities. Another feature that makes the ER diagram preferable to others is the presence of ternary relationships between people, objects, and services (e.g. timecards are submitted by administrative assistants to the payroll department). We are also able to specify the quantity of each entity that should be involved in each interaction.

Explanation of Pattern

Knowing that the time-tracking system is meant to be a database, it would be best to refer to the client-server pattern. It's also appropriate to use this pattern, given the fact that the users of this program will be in many locations. Some students will be on campus, some will be off campus, and the payroll department may have its own facility. If many students become involved with this program, it's also helpful to have a pattern that supports distribution.

Explanation of Technology

Since this program will be using time and keeping track of this to make appointments and such it is important to use the right technology for it. For the backend development of this program it would be best to choose MySQL and PHP. MySQL would work best for database management, PHP for the scripting language, and we could possibly also use Linux as our operating system, depending on what platform (OS) would be most preferred amongst users. However, for now Linux will be a test bench for our operating system. For the frontend aspect of our program, since this will be a web application it will be best to use HTML for defining the structure of the formation that is presented in the browser and CSS will be used to add some aesthetic and style for the program. For choosing the best stack for our program to work, it's important to note that for this program the stack will have to be very efficient and easy to fix bug problems, such as appointment conflicts, appointment mishaps, and so on. The stack should also be able to be reusable and flexible if at any moment any feature or update needs to be added. Finally, the technology such as hardware our program should use a decent amount of server storage to store our data to start off with at least 20 TBs to store information and keep it for a while, if more storage needs to be added, the hardware aspect should be relatively simple to add the existing servers.

Registration

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Adelphi eLounge</title>
```

```
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW
/dAiS6JXm" crossorigin="anonymous">
```

```
<link rel = "stylesheet" href = "../CSC440-eLounge-resources/jquery-ui.css">
```

```
<link rel = "stylesheet" href =
"../CSC440-eLounge-resources/updated_elounge-css.css">
```

```
<link rel = "icon" href = "../CSC440-eLounge-resources/au-logo.png">
```

```
<script>
```

```
function getValueMajor()
```

```
{
```

```
var d = document.getElementById("Major-select");
```

```
var displaytext = d.options[d.selectedIndex].text;

document.getElementById("major").value=displaytext;

}
```

```
function getValueMinor()

{

var d = document.getElementById("Minor-select");

var displaytext = d.options[d.selectedIndex].text;

document.getElementById("minor").value=displaytext;

}
```

```
function multipleFunc()

{

document.getElementById("Club-select").multiple=true;

}
```

```
function getValueClub()

{

var d = document.getElementById("Club-select");

var displaytext = d.options[d.selectedIndex].text;
```

```
document.getElementById("club").value=displaytext;

}

function showMinorList()

{

var checkbox = document.getElementById("minor-check");

var text = document.getElementById("hide-list");

if(checkbox.checked == true)

{

text.style.display = "block";

}

else

{

text.style.display = "none";

}

}

</script>
```


</head>

<body>

<header class = "top-of-page">

<div class = "top-bg">

<img src = "../CSC440-eLounge-resources/Adelphi_Wordmark_gold.png" id =
"adelphi-logo">

<img src = "../CSC440-eLounge-resources/ELoungeLogo_Revised.png" id =
"elounge-logo">

<div class = "text-bg">

<h1 id = "homepage-head">

AU eLounge

</h1>

<h2 id = "homepage-subhead">

Learn, study, connect, relax, explore.

</h2>

</div>

</div>

</header>

```
<div class = "intro-form">
```

```
<p id = "intro-text">
```

Welcome to AU eLounge! Before we get started, please enter your information below so that we can best help you.

```
</p>
```

```
<div class = "container">
```

```
<div class = "first-container">
```

```
<p1 id = "first" value = "">
```

Please enter your First name:

```
</p1>
```

```
<input type = "text" id = "first-name" placeholder = "First Name" required />
```

```
</div>
```

```
<br>
```

```
<div class = "second-container">
```

```
<p1 id = "last" value = "">
```

Please enter your Last name:

```
</p1>
```

```
<input type = "text" id = "last-name" placeholder = "Last Name" required>
```

```
</div>
```

```
<br>
```

```
<div class = "third-container">
```

```
<p1 id = "email" value = "">
```

Please enter your school email:

```
</p1>
```

```
<input type = "text" id = "school-email" placeholder = "School Email" required>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class = "row no-gutters">
```

```
<div class = "col no-gutters">
```

```
<div class = "leftside">
```

```
<p id = "major-header">Select your major:</p>
```

```
<select id = "Major-select" onchange = "getValueMajor()" size = "7">
```

```
<option value ="Undeclared">Undeclared</option>
```

```
<option value ="Accounting">Accounting</option>
```

```
<option value ="Adolescenet-Childhood Education">Adolescenet/Childhood  
Education</option>
```

```
<option value ="Anthropology">Anthropology</option>
```

```
<option value ="Art-and-Design Education">Art & Design Education</option>
```

```
<option value ="Art">Art</option>
```

```
<option value ="Art-History">Art History</option>
```

```
<option value ="Biochemistry">Biochemistry</option>
```

```
<option value ="Biology">Biology</option>
```

```
<option value ="Business">Business</option>
```

```
<option value ="Business Analytics">Business-Analytics</option>
```

```
<option value ="Chemistry">Chemistry</option>
```

```
<option value ="Communication Disorders">Communication-Disorders</option>
```

```
<option value ="Communications">Communications</option>
```

<option value ="Computer-Science">Computer Science</option>

<option value ="Criminal-Justice">Criminal Justice</option>

<option value ="Dance">Dance</option>

<option value ="Economics">Economics</option>

<option value ="Emergency-Services">Emergency Services</option>

<option value ="English">English</option>

<option value ="Environmental-Science">Environmental Science</option>

<option value ="Ethics-and-Public-Policy">Ethics & Public Policy</option>

<option value ="Exercise-Science">Exercise Science</option>

<option value ="Finance">Finance</option>

<option value ="French">French</option>

<option value ="General-Psychology">General Psychology</option>

<option value ="Health-Sciences">Health Sciences</option>

<option value ="History">History</option>

<option value ="Information-Systems">Information Systems</option>

<option value ="Interdisciplinary-Studies">Interdisciplinary Studies</option>

<option value ="International-Relations">International Relations</option>

<option value ="International-Studies">International Studies</option>

<option value ="Latin-American-Studies">Latin American Studies</option>

<option value ="Liberal-Arts">Liberal Arts</option>

<option value ="Liberal-Arts-Pre-Nursing">Liberal Arts: Pre-Nursing</option>

<option value ="Liberal-Studies">Liberal Studies</option>

<option value ="Literature">Literature</option>

<option value ="Management">Management</option>

<option value ="Marketing">Marketing</option>

<option value ="Mathematics">Mathematics</option>

<option value ="Music">Music</option>

<option value ="Music-Education">Music Education</option>

<option value ="Natural-Sciences">Natural Sciences</option>

<option value ="Nursing">Nursing</option>

<option value ="Philosophy">Philosophy</option>

<option value ="Physical-Activity-Studies">Physical Activity Studies</option>

<option value ="Physical-Education">Physical Education</option>

<option value ="Physics">Physics</option>

<option value ="Political-Science">Political Science</option>

<option value ="Psychology">Psychology</option>

<option value ="RN-to-BS-in-Nursing">RN to BS in Nursing</option>

<option value ="Social-Science">Social Science</option>

<option value ="Social-Work">Social Work</option>

<option value ="Sociology">Sociology</option>


```
<option value ="Spanish">Spanish</option>
```

```
<option value ="Sport-Management">Sport Management</option>
```

```
<option value ="Statistics">Statistics</option>
```

```
<option value ="Theatre">Theatre</option>
```

```
</select>
```

```
<br>
```

```
<input type = "checkbox" id = "minor-check" onclick = "showMinorList()">
```

```
<label for="minor-check" id = "minor-label">Second Major/Minor?</label>
```

```
<br>
```

```
<p id = "hide-list">
```

```
<select id = "Minor-select" onchange ="getValueMinor()" size = "7">
```

```
<option value ="Accounting">Accounting</option>
```

<option value ="Adolescenet-Childhood Education">Adolescenet/Childhood Education</option>

<option value = "African-Black-and-Caribbean-Studies">African, Black & Caribbean Studies</option>

<option value ="Anthropology">Anthropology</option>

<option value ="Art-and-Design Education">Art & Design Education</option>

<option value ="Art">Art</option>

<option value ="Art-History">Art History</option>

<option value ="Art-Therapy">Art Therapy</option>

<option value = "Asian-Studies">Asian Studies</option>

<option value ="Biochemistry">Biochemistry</option>

<option value ="Biology">Biology</option>

<option value ="Business">Business</option>

<option value ="Business Analytics">Business-Analytics</option>

<option value ="Chemistry">Chemistry</option>

<option value ="Communication Disorders">Communication-Disorders</option>

<option value ="Communications">Communications</option>

<option value ="Computer-Science">Computer Science</option>

<option value ="Criminal-Justice">Criminal Justice</option>

<option value ="Dance">Dance</option>

<option value ="Economics">Economics</option>

<option value ="Emergency-Services">Emergency Services</option>

<option value ="English">English</option>

<option value ="Environmental-Science">Environmental Science</option>

<option value ="Ethics-and-Public-Policy">Ethics & Public Policy</option>

<option value ="Ethics-Law-and-Justice">Ethics, Law & Justice</option>

<option value ="European-Studies">European Studies</option>

<option value ="Exercise-Science">Exercise Science</option>

<option value ="Finance">Finance</option>

<option value ="Food-Studies">Food Studies</option>

<option value ="French">French</option>

<option value ="Gender-Studies">Gender Studies</option>

<option value ="General-Psychology">General Psychology</option>

<option value ="Health-Education">Health Education</option>

<option value ="Health-Sciences">Health Sciences</option>

<option value ="History">History</option>

<option value ="Human-Resource-Management">Human Resource
Management</option>

<option value ="Information-Systems">Information Systems</option>

<option value ="Interdisciplinary-Studies">Interdisciplinary Studies</option>

<option value ="International-Relations">International Relations</option>

<option value ="International-Studies">International Studies</option>'

<option value ="Italian">Italian</option>

<option value ="Latin-American-Studies">Latin American Studies</option>

<option value ="Liberal-Arts">Liberal Arts</option>

<option value ="Liberal-Arts-Pre-Nursing">Liberal Arts: Pre-Nursing</option>

<option value ="Liberal-Studies">Liberal Studies</option>

<option value ="Literature">Literature</option>

<option value ="Management">Management</option>

<option value ="Marketing">Marketing</option>

<option value ="Mathematics">Mathematics</option>

<option value ="Music">Music</option>

<option value ="Music-Education">Music Education</option>

<option value ="Natural-Sciences">Natural Sciences</option>

<option value ="Nursing">Nursing</option>

<option value ="Peace-Studies">Peace Studies</option>

<option value ="Philosophy">Philosophy</option>

<option value ="Physical-Activity-Studies">Physical Activity Studies</option>

<option value ="Physical-Education">Physical Education</option>

<option value ="Physics">Physics</option>

<option value ="Political-Science">Political Science</option>

<option value="Psychology">Psychology</option>

<option value="Public-Health">Public Health</option>

<option value="RN-to-BS-in-Nursing">RN to BS in Nursing</option>

<option value="Social-Science">Social Science</option>

<option value="Social-Work">Social Work</option>

<option value="Social-Work-Child-and-Family-Studies">Social Work: Child
and Family Studies</option>

<option value="Sociology">Sociology</option>

<option value="Spanish">Spanish</option>

<option value="Sport-Management">Sport Management</option>

<option value="Statistics">Statistics</option>

<option value="Theatre">Theatre</option>

<option value="Video-Game-Design">Video Game Design</option>

</select>

</p>

</div>

```
</div>
```

```
<div class = "col no-gutters">
```

```
<div class = "rightside">
```

```
<p id = "club-header">Select your organizations you are in/are interested in:</p>
```

```
<label id = "multiple-label">*For multiple organizations you are in/are interested in,  
hold CTRL.</label>
```

```
<br>
```

```
<select id = "Club-select" onchange = "getValueClub()" size = "7" multiple =  
"multiple">
```

```
<option value = "Accounting-Society">Accounting Society</option>
```

```
<option value = "Adelphi-Christian-Fellowship">Adelphi Christian  
Fellowship</option>
```

<option value
="Adelphi-College-Republicans-National-Committee-Chapter">Adelphi College Republicans
National Committee Chapter</option>

<option value ="Adelphi-Gives-Back">Adelphi Gives Back</option>

<option value ="Adelphi-Mock-Trial">Adelphi Mock Trial</option>

<option value ="Adelphi-University-ACM-Student-Chapter">Adelphi University
ACM Student Chapter</option>

<option value ="Adelphi-University-Student-Nurses-Association">Adelphi
University Student Nurses Association</option>

<option value ="African-Student-Association">African Student
Association</option>

<option value ="Alcohol-and-Other-Drugs-Program">Alcohol and Other Drugs
Program</option>

<option value ="Alpha-Epsilon-Phi">Alpha Epsilon Phi</option>

<option value ="Alpha-Kappa-Alpha-Sorority">Alpha Kappa Alpha Sorority,
Inc.</option>

<option value ="Alpha-Phi-Alpha-Fraternity">Alpha Phi Alpha Fraternity,
Inc.</option>

<option value ="American-Sign-Language-Club">American Sign Language
Club</option>

<option value ="Anthropology-Club">Anthropology Club</option>

<option value ="APICS-AU">APICS AU</option>

<option value ="Arts-Empower-Adelphi">Arts Empower Adelphi</option>

<option value ="AU-Bhangra">AU Bhangra</option>

<option value ="AU-PAWS-Web-Radio">AU PAWS Web Radio</option>

<option value ="Biology-Club">Biology Club</option>

<option value ="Black-Students-United">Black Students United</option>

<option value ="CALIBER">C.A.L.I.B.E.R.</option>

<option value ="Caribbean-Students-Union">Caribbean Students Union</option>

<option value ="Center-for-Student-Involvement">Center for Student
Involvement</option>

<option value ="Chabad-Jewish-Student-Group">Chabad Jewish Student
Group</option>

<option value ="Chemistry-Club">Chemistry Club</option>

<option value ="Circle-K-International">Circle K International</option>

<option value ="Commuter-Assistant-Program">Commuter Assistant
Program</option>

<option value ="Commuter-Student-Organization">Commuter Student
Organization</option>

<option value ="Delta-Chi">Delta Chi</option>

<option value ="Delta-Delta-Delta">Delta Delta Delta</option>

<option value ="Delta-Gamma">Delta Gamma</option>

<option value ="Delta-Phi-Epsilon">Delta Phi Epsilon</option>

<option value ="Delta-Sigma-Pi">Delta Sigma Pi</option>

<option value ="Delta-Sigma-Theta-Sorority">Delta Sigma Theta Sorority,
Inc.</option>

<option value ="Environmental-Action-Coalition">Environmental Action Coalition</option>

<option value ="Females-Of-Culture-United-for-Success">Females Of Culture United for Success</option>

<option value ="Feminist-Alliance">Feminist Alliance</option>

<option value ="Future-Teachers-Association">Future Teachers Association</option>

<option value ="Gamers-and-Artists-Making-Epic-Software">Gamers & Artists Making Epic Software</option>

<option value ="Gamma-Beta-Phi">Gamma Beta Phi</option>

<option value ="Gamma-Sigma-Alpha">Gamma Sigma Alpha</option>

<option value ="Gender-and-Sexuality-Alliance">Gender and Sexuality Alliance</option>

<option value ="Global-Medical-Brigades">Global Medical Brigades</option>

<option value ="Graduate-Student-Council">Graduate Student Council</option>

<option value ="Greek-Life-and-Social-Fellowships">Greek Life & Social Fellowships</option>

<option value ="Health-Outreach-and-Promotion">Health Outreach & Promotion</option>

<option value ="Hellenic-Society-Club">Hellenic Society Club</option>

<option value ="Her-Campus">Her Campus</option>

<option value ="Evolution">Hip Hop Dance "Evolution"</option>

<option value ="Honors-College-Student-Council">Honors College Student Council</option>

<option value ="Inter-Greek-Council">Inter-Greek Council</option>

<option value ="Interfaith-Center">Interfaith Center</option>

<option value ="Interfraternity-Council">Interfraternity Council</option>

<option value ="International-Services">International Services</option>

<option value ="International-Student-Society">International Student Society</option>

<option value ="Investment-Club">Investment Club</option>

<option value ="Iota-Nu-Delta">Iota Nu Delta</option>

<option value ="Japanese-Entertainment-and-Culture-Club">Japanese Entertainment and Culture Club</option>

<option value ="Kappa-Phi-Gamma-Sorority">Kappa Phi Gamma Sorority, Inc.</option>

<option value ="Kappa-Sigma">Kappa Sigma</option>

<option value ="Korean-Entertainment-Club">Korean Entertainment Club</option>

<option value ="Lambda-Upsilon-Lambda">Lambda Upsilon Lambda</option>

<option value ="Latino-Student-Association">Latino Student Association</option>

<option value ="Leadership-Certificate-Program">Leadership Certificate Program</option>

<option value ="Levermore-Global-Scholars-Student-Leadership-Council">Levermore Global Scholars Student Leadership Council</option>

<option value ="Manhattan-Center-School-of-Social-Work">Manhattan Center: School of Social Work</option>

<option value ="Mosaic">Mosaic</option>

<option value ="Multicultural-Greek-and-Fellowship-Council">Multicultural Greek and Fellowship Council</option>

<option value ="Multilingual-Experience-Club">Multilingual Experience Club</option>

<option value ="Muslim-Student-Association">Muslim Student Association</option>

<option value ="National-Society-of-Collegiate-Scholars">National Society of Collegiate Scholars</option>

<option value ="National-Student-Speech-Language-Hearing-Association">National Student Speech-Language-Hearing Association</option>

<option value ="Neuroscience-Society-of-Adelphi">Neuroscience Society of Adelphi</option>

<option value ="Newman-Club">Newman Club (Catholic Campus Parish)</option>

<option value ="Nova-Network-Modeling-Club">Nova Network Modeling Club</option>

<option value ="Order-of-Omega">Order of Omega</option>

<option value ="Panhellenic-Association">Panhellenic Association</option>

<option value ="Peer-Assistant-Leader">Peer Assistant Leader</option>

<option value ="Phi-Mu">Phi Mu</option>

<option value ="Phi-Sigma-Kappa">Phi Sigma Kappa</option>

<option value ="Phi-Sigma-Sigma">Phi Sigma Sigma</option>

<option value ="Philosophy-Club">Philosophy Club</option>

<option value ="Physics-Club">Physics Club</option>

<option value ="Pi-Lambda-Phi">Pi Lambda Phi</option>

<option value ="Polish-American-Organization-of-Leaders-and-Kultura">Polish American Organization of Leaders and Kultura</option>

<option value ="Pre-Professional-Club">Pre-Professional Club</option>

<option value ="Psychology-Club">Psychology Club</option>

<option value ="Relay-For-Life">Relay For Life</option>

<option value ="Resident-Student-Association">Resident Student Association</option>

<option value ="Rho-Lambda">Rho Lambda</option>

<option value ="SGA-Treasurers">SGA Treasurers</option>

<option value ="Sigma-Delta-Tau">Sigma Delta Tau</option>

<option value ="Sigma-Lambda-Upsilon">Sigma Lambda Upsilon/Señoritas Latinas Unidas Sorority, Inc.</option>

<option value ="Sikhs-United">Sikhs United</option>

<option value ="Social-Work-Action-Gateway">Social Work Action Gateway</option>

<option value ="South-Asian-Student-Association">South Asian Student Association</option>

<option value ="Student-Activities-Board">Student Activities Board</option>

<option value ="Student-Alumni-Council">Student Alumni Council</option>

<option value
="Student-Appreciation-and-Recognition-of-Adelphi-Pinoys">Student Appreciation and
Recognition of Adelphi Pinoys</option>

<option value ="Student-Government-Association">Student Government
Association</option>

<option value ="Swing-Phi-Swing">Swing Phi Swing Social Fellowship,
Inc.</option>

<option value ="The-Delphian">The Delphian</option>

<option value ="The-Physician-Assistant-Club">The Physician Assistant
Club</option>

<option value ="UNA-USA">United Nations Association-USA Adelphi University
Chapter</option>

</select>

<div class = "selected-form">

<input type = "text" id = "major" placeholder = "Major: Not selected" disabled
= "disabled">


```

        <input type = "text" id = "minor" placeholder = "Minor: Not selected" disabled
= "disabled">

```

```

        <br>

```

```

        <input type = "text" id = "club" placeholder = "Organizations: Not selected"
disabled = "disabled">

```

```

        <br>

```

```

        <a href = "homepage.html">

```

```

            <input type = "button" id = "submit" value = "Submit!" onclick = "">

```

```

        </a>

```

```

    </div>

```

```

</div>

```

```

</div>

```

</div>

</body>

<footer id = "homepage-footer">

<p>© Adelphi University</p>

<script src = "../CSC440-eLounge-resources/jquery.js"></script>

<script src = "../CSC440-eLounge-resources/jquery-ui.js"></script>

<script src = "../CSC440-eLounge-resources/elounge-js.js"></script>

</footer>

</html>

Home Page

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<script src = "../CSC440-eLounge-resources/jquery.js"></script>
```

```
<script src = "../CSC440-eLounge-resources/jquery-ui.js"></script>
```

```
<script src = "../CSC440-eLounge-resources/elounge-js.js"></script>
```

```
<title>Adelphi eLounge</title>
```

```
<link rel = "stylesheet" href = "../CSC440-eLounge-resources/jquery-ui.css">
```

```
<link rel = "stylesheet" href = "../CSC440-eLounge-resources/elounge-css.css">
```

```
<link rel = "icon" href = "../CSC440-eLounge-resources/au-logo.png">
```

```
<script>
```

```
function getValueMajor()
```

```
{
```

```
var d = document.getElementById("Major-select");
```

```
var displaytext = d.options[d.selectedIndex].text;
```

```
document.getElementById("major").value=displaytext;
```

```
}
```

```
function multipleFunc()
```



```
{  
  
    document.getElementById("Club-select").multiple=true;  
  
}
```

```
function getValueClub()
```

```
{  
  
    var d = document.getElementById("Club-select");  
  
    var displaytext = d.options[d.selectedIndex].text;  
  
    document.getElementById("club").value=displaytext;  
  
}
```

```
function showMinorList()
```

```
{  
  
    var checkbox = document.getElementById("minor-check");  
  
  
    var text = document.getElementById("hide-list");  
  
  
    if(checkbox.checked == true)
```

```
{  
    text.style.display = "block";  
}  
  
else  
  
{  
    text.style.display = "none";  
}  
}  
  
</script>
```

```
<script>  
  
    $( function() {  
  
        $( "#selectable" ).selectable();  
  
        } );  
  
</script>
```

```
</head>
```

```
<body class = "homepage-body">
```

```
<div id = "page-container">
```

```
<div id = "content-wrap">
```

```
<header id = "top-of-page">
```

```
<a href = "http://www.adelphi.edu">
```

```
<img src = "../CSC440-eLounge-resources/Adelphi_Wordmark_gold.png" id =  
"adelphi-logo">
```

```
</a>
```

```
<img src = "../CSC440-eLounge-resources/elounge-logo copy.png" id =  
"elounge-logo">
```

```
<h1 id = "homepage-head">
```

```
    Welcome to the lounge!
```

```
</h1>
```

```
<h2 id = "homepage-subhead">
```

```
    Get cozy, relax, and explore.
```

```
</h2>
```

```
<br>
```

```
<hr id = "bar1">
```

```
</header>
```

```
<br>
```

```
<h3 id = "homepage-subhead">
```

```
    Choose a group page to access.
```

</h3>

<h4 class = "group-type">

MAJORS

</h4>

<center>

<ol id="selectable">

<li class="ui-widget-content">Accounting

<li class="ui-widget-content">Adolescent/Childhood Education

<li class="ui-widget-content">Anthropology

<li class="ui-widget-content">Art & Design Education

<li class="ui-widget-content">Art

<li class="ui-widget-content">Art History

<li class="ui-widget-content">Biochemistry

<li class="ui-widget-content">Biology

<li class="ui-widget-content">Business

<li class="ui-widget-content">Business-Analytics

<li class="ui-widget-content">Chemistry

<li class="ui-widget-content">Communication-Disorders

<li class="ui-widget-content">Communications

<li class="ui-widget-content">Computer Science

<li class="ui-widget-content">Criminal Justice

<li class="ui-widget-content">Dance

<li class="ui-widget-content">Economics

<li class="ui-widget-content">Emergency Services

<li class="ui-widget-content">English

<li class="ui-widget-content">Environmental Science

<li class="ui-widget-content">Ethics & Public Policy

<li class="ui-widget-content">Exercise Science

<li class="ui-widget-content">Finance

<li class="ui-widget-content">French

<li class="ui-widget-content">General Psychology

<li class="ui-widget-content">Health Sciences

<li class="ui-widget-content">History

<li class="ui-widget-content">Information Systems

<li class="ui-widget-content">Interdisciplinary Studies

<li class="ui-widget-content">International Relations

<li class="ui-widget-content">International Studies

<li class="ui-widget-content">Latin American Studies

- <li class="ui-widget-content">Liberal Arts
- <li class="ui-widget-content">Liberal Arts: Pre-Nursing
- <li class="ui-widget-content">Liberal Studies
- <li class="ui-widget-content">Literature
- <li class="ui-widget-content">Management
- <li class="ui-widget-content">Marketing
- <li class="ui-widget-content">Mathematics
- <li class="ui-widget-content">Music
- <li class="ui-widget-content">Music Education
- <li class="ui-widget-content">Natural Sciences
- <li class="ui-widget-content">Nursing
- <li class="ui-widget-content">Philosophy
- <li class="ui-widget-content">Physical Activity Studies
- <li class="ui-widget-content">Physical Education
- <li class="ui-widget-content">Physics
- <li class="ui-widget-content">Political Science
- <li class="ui-widget-content">Psychology
- <li class="ui-widget-content">RN to BS in Nursing
- <li class="ui-widget-content">Social Science
- <li class="ui-widget-content">Social Work

<li class="ui-widget-content">Sociology

<li class="ui-widget-content">Spanish

<li class="ui-widget-content">Sport Management

<li class="ui-widget-content">Statistics

<li class="ui-widget-content">Theatre

<h4 class = "group-type">

CLUBS

</h4>

<ol id="selectable">

<li class="ui-widget-content">Accounting Society

<li class="ui-widget-content">Adelphi Christian Fellowship

<li class="ui-widget-content">Adelphi College Republicans National Committee

Chapter

<li class="ui-widget-content">Adelphi Gives Back

<li class="ui-widget-content">Adelphi Mock Trial

<li class="ui-widget-content">Adelphi University ACM Student Chapter

<li class="ui-widget-content">Adelphi University Student Nurses
Association

<li class="ui-widget-content">African Student Association

<li class="ui-widget-content">Alcohol and Other Drugs Program

<li class="ui-widget-content">Alpha Epsilon Phi

<li class="ui-widget-content">Alpha Kappa Alpha Sorority, Inc.

<li class="ui-widget-content">Alpha Phi Alpha Fraternity, Inc.

<li class="ui-widget-content">American Sign Language Club

<li class="ui-widget-content">Anthropology Club

<li class="ui-widget-content">APICS AU

<li class="ui-widget-content">Arts Empower Adelphi

<li class="ui-widget-content">AU Bhangra

<li class="ui-widget-content">AU PAWS Web Radio

<li class="ui-widget-content">Biology Club

<li class="ui-widget-content">Black Students United

<li class="ui-widget-content">C.A.L.I.B.E.R.

<li class="ui-widget-content">Caribbean Students Union

<li class="ui-widget-content">Center for Student Involvement

<li class="ui-widget-content">Chabad Jewish Student Group

- <li class="ui-widget-content">Chemistry Club
- <li class="ui-widget-content">Circle K International
- <li class="ui-widget-content">Commuter Assistant Program
- <li class="ui-widget-content">Commuter Student Organization
- <li class="ui-widget-content">Delta Chi
- <li class="ui-widget-content">Delta Delta Delta
- <li class="ui-widget-content">Delta Gamma
- <li class="ui-widget-content">Delta Phi Epsilon
- <li class="ui-widget-content">Delta Sigma Pi
- <li class="ui-widget-content">Delta Sigma Theta Sorority, Inc.
- <li class="ui-widget-content">Environmental Action Coalition
- <li class="ui-widget-content">Females Of Culture United for Success
- <li class="ui-widget-content">Feminist Alliance
- <li class="ui-widget-content">Future Teachers Association
- <li class="ui-widget-content">Gamers & Artists Making Epic Software
- <li class="ui-widget-content">Gamma Beta Phi
- <li class="ui-widget-content">Gamma Sigma Alpha
- <li class="ui-widget-content">Gender and Sexuality Alliance
- <li class="ui-widget-content">Global Medical Brigades
- <li class="ui-widget-content">Graduate Student Council

- <li class="ui-widget-content">Greek Life & Social Fellowships
- <li class="ui-widget-content">Health Outreach & Promotion
- <li class="ui-widget-content">Hellenic Society Club
- <li class="ui-widget-content">Her Campus
- <li class="ui-widget-content">Hip Hop Dance "Evolution"
- <li class="ui-widget-content">Honors College Student Council
- <li class="ui-widget-content">Inter-Greek Council
- <li class="ui-widget-content">Interfaith Center
- <li class="ui-widget-content">Interfraternity Council
- <li class="ui-widget-content">International Services
- <li class="ui-widget-content">International Student Society
- <li class="ui-widget-content">Investment Club
- <li class="ui-widget-content">Iota Nu Delta
- <li class="ui-widget-content">Japanese Entertainment and Culture Club
- <li class="ui-widget-content">Kappa Phi Gamma Sorority, Inc.
- <li class="ui-widget-content">Kappa Sigma
- <li class="ui-widget-content">Korean Entertainment Club
- <li class="ui-widget-content">Lambda Upsilon Lambda
- <li class="ui-widget-content">Latino Student Association
- <li class="ui-widget-content">Leadership Certificate Program

<li class="ui-widget-content">Levermore Global Scholars Student Leadership Council

<li class="ui-widget-content">Manhattan Center: School of Social Work

<li class="ui-widget-content">Mosaic

<li class="ui-widget-content">Multicultural Greek and Fellowship Council

<li class="ui-widget-content">Multilingual Experience Club

<li class="ui-widget-content">Muslim Student Association

<li class="ui-widget-content">National Society of Collegiate Scholars

<li class="ui-widget-content">National Student Speech-Language-Hearing Association

<li class="ui-widget-content">Neuroscience Society of Adelphi

<li class="ui-widget-content">Newman Club (Catholic Campus Parish)

<li class="ui-widget-content">Nova Network Modeling Club

<li class="ui-widget-content">Order of Omega

<li class="ui-widget-content">Panhellenic Association

<li class="ui-widget-content">Peer Assistant Leader

<li class="ui-widget-content">Phi Mu

<li class="ui-widget-content">Phi Sigma Kappa

<li class="ui-widget-content">Phi Sigma Sigma

<li class="ui-widget-content">Philosophy Club

<li class="ui-widget-content">Physics Club

- <li class="ui-widget-content">Pi Lambda Phi
- Kultura
 <li class="ui-widget-content">Polish American Organization of Leaders and

 <li class="ui-widget-content">Pre-Professional Club
 <li class="ui-widget-content">Psychology Club
 <li class="ui-widget-content">Relay For Life
 <li class="ui-widget-content">Resident Student Association
 <li class="ui-widget-content">Rho Lambda
 <li class="ui-widget-content">SGA Treasurers
 <li class="ui-widget-content">Sigma Delta Tau
 Sorority, Inc.
 <li class="ui-widget-content">Sigma Lambda Upsilon/Señoritas Latinas Unidas

 <li class="ui-widget-content">Sikhs United
 <li class="ui-widget-content">Social Work Action Gateway
 <li class="ui-widget-content">South Asian Student Association
 <li class="ui-widget-content">Student Activities Board
 <li class="ui-widget-content">Student Alumni Council
 Pinoys
 <li class="ui-widget-content">Student Appreciation and Recognition of Adelphi

 <li class="ui-widget-content">Student Government Association
 <li class="ui-widget-content">Swing Phi Swing Social Fellowship, Inc.

<li class="ui-widget-content">The Delphian

<li class="ui-widget-content">The Physician Assistant Club

<li class="ui-widget-content">United Nations Association-USA Adelphi
University Chapter

</center>

</div>

</div>

</body>

<footer id = "homepage-footer">

<p>© Adelphi University</p>

</footer>

</html>

CSS (Home Page)

```
*  
  
{  
  
  padding: 0;  
  
  margin: 0;  
  
  font-family: Ubuntu, Arial, sans-serif;  
  
}  
  
:root  
  
{  
  
  --primary: #ffb500;  
  
  --secondary: #4f2c1d;  
  
}  
  
#page-container  
  
{  
  
  position: relative;  
  
  min-height: 100vh;  
  
}
```

```
#content-wrap
```

```
{
```

```
padding-bottom: 2.5rem; /* Footer height */
```

```
}
```

```
#top-of-page
```

```
{
```

```
text-align: center;
```

```
}
```

```
.homepage-body
```

```
{
```

```
width: 100%;
```

```
height: 100%;
```

```
background-image: linear-gradient(
```

```
to bottom,
```

```
var(--secondary),
```

```
var(--primary)
```

```
);
```

```
align-items: center;
```

```
color: black;

text-align: center;

background-color: white;

}
```

```
.group-type
```

```
{

color:white;

font-size:36px;

}
```

```
#homepage-head
```

```
{

font-size: 50px;

letter-spacing:4px;

padding: 40px 40px 0px 40px;

text-align: center;

color: white;

}
```

```
#homepage-subhead
```



```
{  
  
    font-size: 32px;  
  
    padding: 0px 40px 40px 40px;  
  
    text-align: center;  
  
    color: white;  
  
}
```

#adelphi-logo

```
{  
  
    float: left;  
  
    width: 300px;  
  
    height: auto;  
  
    margin-top: 25px;  
  
    margin-left: 40px;  
  
}
```

#elounge-logo

```
{  
  
    float: right;  
  
    width: 300px;
```

```
height: auto;

margin-top: 90px;

margin-right: 40px;

}
```

```
#bar1

{

margin-top: -50px;

}
```

```
#first-name

{

margin-top: 50px;

padding: 8px;

}
```

```
#last-name

{

margin-top: 10px;

padding: 8px;
```

```
}
```

```
#school-email
```

```
{
```

```
    margin-top: 10px;
```

```
    padding: 8px;
```

```
}
```

```
#first
```

```
{
```

```
    color: white;
```

```
}
```

```
#last
```

```
{
```

```
    color: white;
```

```
}
```

```
#email
```

```
{
```

```
    color: white;  
}
```

```
#Major-select  
  
{  
  
    margin-top: 40px;  
  
    font-size: 20px;  
}
```

```
#minor-check  
  
{  
  
    margin-top: 50px;  
  
    margin-bottom: 50px;  
}
```

```
label  
  
{  
  
    font-size: 22px;  
  
    color: white;
```

```
}
```

```
#Minor-select
```

```
{
```

```
    margin-top: -30px;
```

```
    margin-bottom: 40px;
```

```
    font-size: 20px;
```

```
}
```

```
#hide-list
```

```
{
```

```
    display: none;
```

```
}
```

```
input[disabled]
```

```
{
```

```
    background-color: white;
```

```
    padding: 8px;
```

```
}
```

```
#submit
```

```
{  
  
  margin-top: 25px;  
  
  font-size: 1.2rem;  
  
  padding: 8px;  
  
}
```

```
#homepage-footer
```

```
{  
  
  position: relative;  
  
  bottom: 0;  
  
  width: 100%;  
  
  height: 2.5rem;  
  
}
```

```
#feedback
```

```
{ font-size: 1.4em; }
```

```
#selectable .ui-selecting
```

```
{ background: white; color: black; }
```

```
#selectable .ui-selected
```

```
{ background: gold; color: black; }
```

```
#selectable
```

```
{ list-style-type: none; margin: 0; padding: 0; width: 50%; }
```

```
#selectable li { margin: 3px; padding: 0.4em; font-size: 1.4em; background: black; color: gold; height: 18px; position: 'center'}
```

Updated CSS (Registration Page)

```
*
```

```
{
```

```
padding: 0;
```

```
margin: 0;
```

```
font-family: Ubuntu, Arial, sans-serif;
```

```
}
```

```
:root
```

```
{
```

```
--primary: #ffb500;
```

```
--secondary: #4f2c1d;
```

```
}
```

```
@font-face
```

```
{
```

```
font-family: Ubuntu; src: url('Ubuntu-M.ttf');
```

```
}
```

```
.top-of-page
```

```
{
```

```
text-align: center;
```

```
}
```

```
.top-bg
```

```
{
```

```
background-image: linear-gradient(
```

```
to bottom,
```

```
var(--secondary),
```

```
var(--primary)
```



```
);  
  
}  
  
#homepage-head  
  
{  
  
    font-size: 80px;  
  
    letter-spacing: 4px;  
  
    padding: 40px 40px 0px 40px;  
  
    color: white;  
  
}  
  
#homepage-subhead  
  
{  
  
    font-size: 32px;  
  
    padding: 0px 40px 40px 40px;  
  
    color: white;  
  
}  
  
#adelphi-logo  
  
{
```

```
float: left;

width: 400px;

height: 150px;

margin-top: 25px;

margin-left: 40px;

}
```

```
#elounge-logo

{

float: right;

width: 400px;

height: 150px;

margin-top: 25px;

margin-right: 40px;

}
```

```
.intro-form

{

background-color: #f5f5f5;
```

```
margin: 0;

padding: 0;

}
```

```
#intro-text
```

```
{

margin-left: auto;

margin-right: auto;

width: 8em;

padding: 90px;

font-size: 34px;

width: 50%;

color: black;

}
```

```
.first-container
```

```
{

font-size: 24px;

margin-left: auto;
```

```
margin-right: auto;

width: 50em;

text-align: center;

color: black;

margin-top: -50px;

}
```

```
#first-name

{

margin-left: 50px;

}
```

```
#last-name

{

margin-left: 52px;

}
```

```
#school-email

{

margin-left: 26px;
```

```
}
```

```
.second-container
```

```
{
```

```
font-size: 24px;
```

```
margin-left: auto;
```

```
margin-right: auto;
```

```
width: 50em;
```

```
text-align: center;
```

```
color: black;
```

```
}
```

```
.third-container
```

```
{
```

```
font-size: 24px;
```

```
margin-left: auto;
```

```
margin-right: auto;
```

```
width: 50em;
```

```
text-align: center;
```

```
color: black;
```

```
}
```

```
.leftside, .rightside
```

```
{
```

```
    height: 110vh;
```

```
    width: 100%;
```

```
}
```

```
.leftside
```

```
{
```

```
    background-color: #f5f5f5;
```

```
    text-align: center;
```

```
}
```

```
.rightside
```

```
{
```

```
    background-color: #f5f5f5;
```

```
text-align: center;
```

```
}
```

```
#major-header
```

```
{
```

```
margin-left: auto;
```

```
padding: 50px;
```

```
margin-right: auto;
```

```
width: 400px;
```

```
font-size: 35px;
```

```
}
```

```
#Major-select
```

```
{
```

```
margin: 0 50px 50px 50px;
```

```
font-size: 40px;
```

```
width: 700px;
```

```
}
```

#minor-label

```
{  
  
    font-size: 30px;  
  
    padding: 50px 50px 50px 19px;  
  
}
```

#multiple-label

```
{  
  
    font-size: 30px;  
  
    padding-top: 50px;  
  
}
```

#minor-check

```
{  
  
    transform: scale(1.5);  
  
}
```

#Minor-select

```
{  
  
    margin: 0 50px 50px 50px;
```



```
font-size: 40px;  
  
width: 700px;  
  
}
```

```
#club-header
```

```
{  
  
margin-left: auto;  
  
padding: 50px;  
  
margin-right: auto;  
  
width: 1000px;  
  
font-size: 35px;  
  
}
```

```
#multiple-label
```

```
{  
  
padding: 0;  
  
}
```

```
#multiple-club-check
```

```
{
```

```
    transform: scale(1.5);  
}
```

```
#Club-select
```

```
{  
  
    font-size: 35px;  
  
    width: 900px;  
}
```

```
.selected-form
```

```
{  
  
    padding: 50px;  
  
    font-size: 30px;  
}
```

```
#major
```

```
{  
  
    font-size: 40px;  
  
    width: 900px;  
}
```

```
#minor
```

```
{  
  
    font-size:40px;  
  
    width: 900px;  
  
}
```

```
#club
```

```
{  
  
    font-size:40px;  
  
    width: 900px;  
  
}
```

```
#hide-list
```

```
{  
  
    display: none;  
  
}
```

```
#submit
```

```
{
```

```
font-size: 20px;  
  
margin-top: 25px;  
  
padding: 16px;  
  
}
```

```
#homepage-footer
```

```
{  
  
text-align: center;  
  
background-color: #f5f5f5;  
  
padding: 10px;  
  
}
```

Configuration (PHP)

```
<?php
```

```
$db_eLounge = "Students";
```

```
$db_name = "eLounge";
```

```
$db = new PDO("mysql:host=localhost;dbname=" . $db_name . ";charset=utf8", $dbuser,  
$db_pass);
```

```
$db -> setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
```

Process (PHP)

```
?php
```

```
require_once('config.php')
```

```
?>
```

```
<?php
```

```
if(isset($_POST)){
```

```
    $firstname = $_POST['firstname'];
```

```
    $lastname = $_POST['lastname'];
```

```
    $email = $_POST['email'];
```

```
    $major = $_POST['major'];
```

```
    $minor = $_POST['minor'];
```

```
    $organizations= $_POST['organizations'];
```

```
    $sql = "INSERT INTO Students (firstname, lastname, email, major, minor, organizations)  
VALUES (?,?,?,?,?,?)";
```

```
    $stminsert = $db->prepare($sql);
```

```
$result = $stminsert->execute ([$firstname, $lastname, $email, $major,$minor,  
$organizations]);
```

```
if($result){
```

```
    echo 'Successfully saved.';
```

```
}else{
```

```
    echo 'Their were errors while saving data';
```

```
}
```

```
}else {
```

```
    echo 'No Data';
```

```
}
```

Screenshots of Interface/Database

Welcome to AU eLounge! Before we get started, please enter your information below so that we can best help you.

Please enter your First name:

Please enter your Last name:

Please enter your school email:

Select your major:

- Undeclared
- Accounting
- Adolescent/Childhood Education
- Anthropology
- Art & Design Education
- Art
- Art History

☐ Second Major/Minor?

Select your organizations you are in/are interested in:

*For multiple organizations you are in/are interested in, hold CTRL.

- Accounting Society
- Adelphi Christian Fellowship
- Adelphi College Republicans National Committee Cha
- Adelphi Gives Back
- Adelphi Mock Trial
- Adelphi University ACM Student Chapter
- Adelphi University Student Nurses Association

Major: Not selected

Minor: Not selected

Organizations: Not selected

ADELPHI UNIVERSITY

Welcome to the lounge!
Get cozy, relax, and explore.

AdelphiLounge

Choose a group page to access.

MAJORS

- Accounting
- Adolescent/Childhood Education
- Anthropology
- Art & Design Education
- Art
- Art History
- Biochemistry
- Biology
- Business
- Business-Analytics
- Chemistry

Sociology
Spanish
Sport Management
Statistics
Theatre

CLUBS

Accounting Society
Adelphi Christian Fellowship
Adelphi College Republicans National Committee Chapter
Adelphi Gives Back
Adelphi Mock Trial
Adelphi University ACM Student Chapter
Adelphi University Student Nurses Association
African Student Association
Alcohol and Other Drugs Program
Alpha Epsilon Phi
Alpha Kappa Alpha Sorority, Inc.
Alpha Phi Alpha Fraternity, Inc.

Local instance 3306

Administration Schemas eLounge* eLounge.Faculty eLounge.Organizations eLounge.Students

SCHEMAS

Filter objects

- eLounge
 - Tables
 - Faculty
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Organizations
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Students**
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
 - sys

Indexes in Table

Visible	Key	Type	Unique	Columns
<input checked="" type="checkbox"/>	PRIMARY	BTREE	YES	idStudents

Columns in table

Column	Type	Nullable	Indexes
◆ idStudents	int	NO	PRIMARY
◆ firstName	varchar(45)	YES	
◆ lastName	varchar(45)	YES	
◆ major	varchar(45)	YES	
◆ email	varchar(60)	YES	
◆ status	varchar(20)	YES	
◆ clubName	varchar(20)	YES	

Index Detail

Key Name:
Index Type:
Allows NU
Cardinality:
Comment:
User Com

phpMyAdmin

Server: localhost:3306 » Database: eLounge » Table: Students

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 0 (1 total, Query took 0.0002 seconds.)

SELECT * FROM `Students`

Profiling [Edit inline] [Edit] [Explain SQL]

Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

firstName	lastName	major	email	clubName
Mike	Reynolds	Computer Science	mr@gmail.com	NULL

Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view