

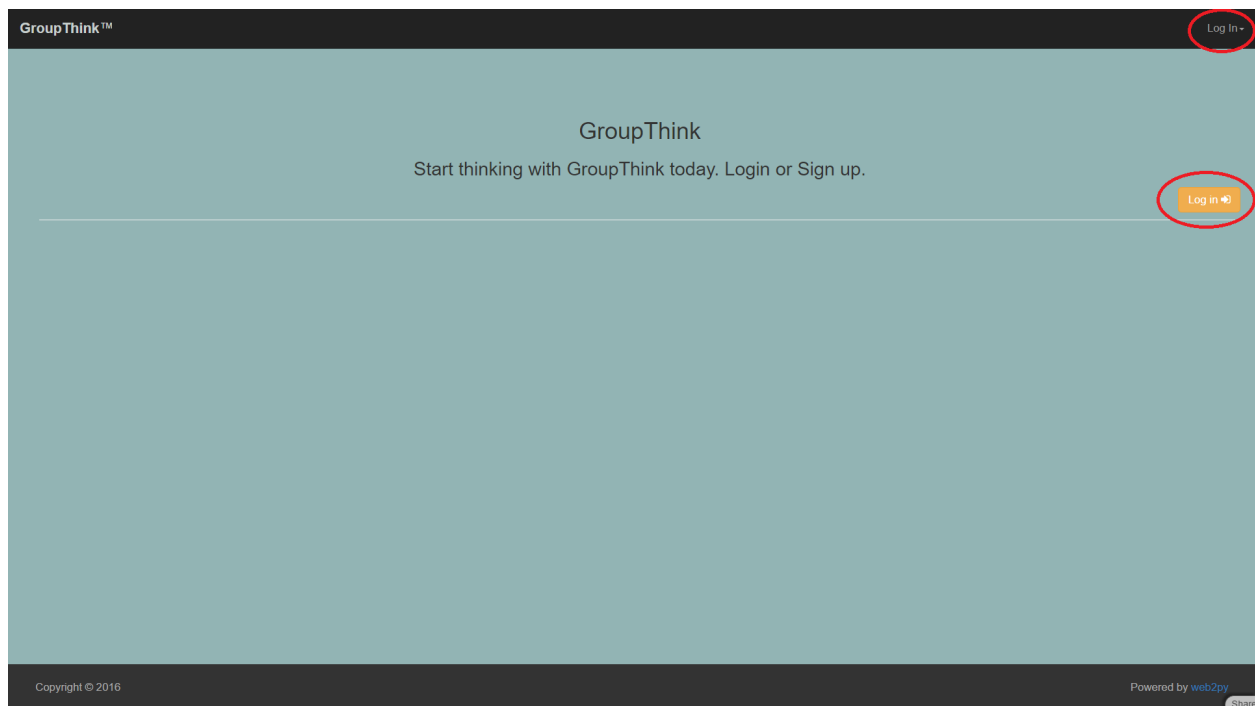
Groupthink™ User Manual

INTRODUCTION:

Welcome to the Groupthink site, where you can start thinking as a group today. GroupThink facilitates team formation for the purpose of developing and collaborating on group projects in an educational environment. The platform allows professors to create private and organized spaces for students to post project ideas and join existing projects. Using user profiles, GroupThink matches students with other members of their class based on technical skills, schedule, prior coursework, project ideas, and interests. Traditional team forming for group projects is a haphazard process that puts stress on individuals and leads to disjoint groups. Current tools used for group projects (i.e. Google Sheets, Piazza Forms) are unorganized and lack functionality. By matching students based on their profiles and project goals, GroupThink will help create groups that work and learn better together.

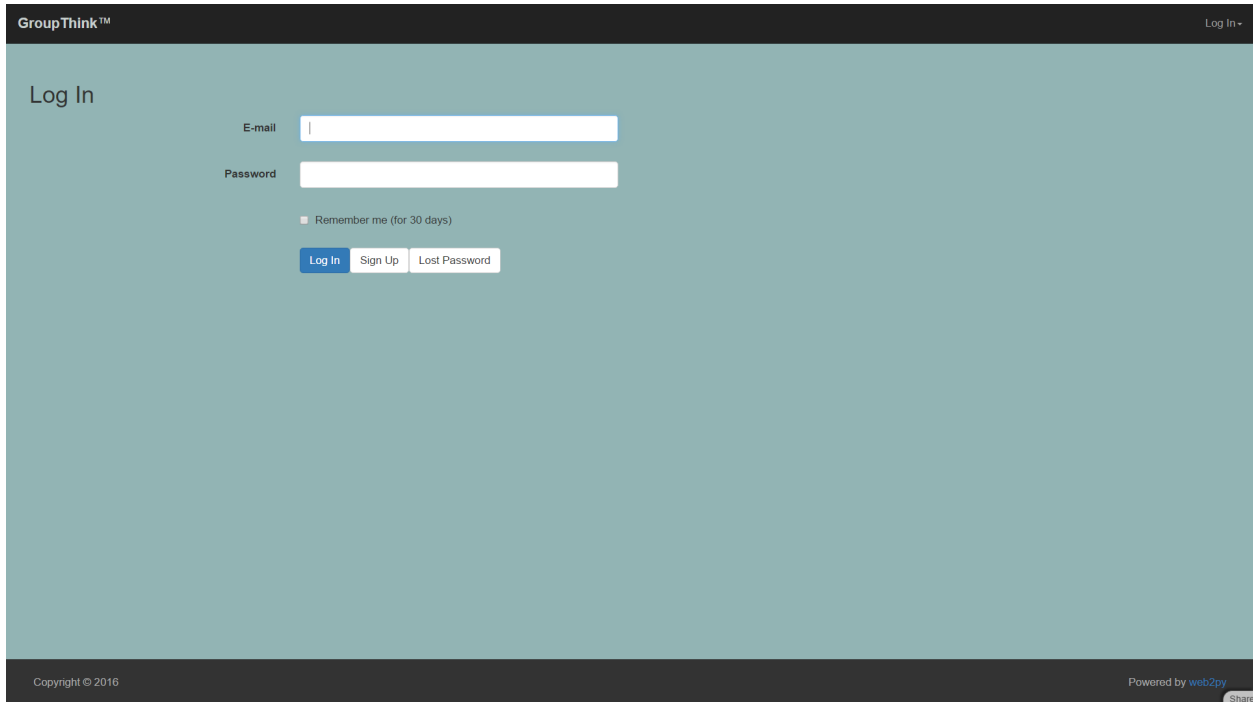
SIGNING-UP:

Upon loading our site you will first be brought to the landing page where you can select either of the Log In buttons on the right side of the page.



Once you've clicked the Log In button you will have two options.

Option 1: Sign in with an existing account using an email and password created at sign up.



The image shows the 'Log In' page of the GroupThink website. The page has a dark header with 'GroupThink™' on the left and 'Log In' on the right. The main content area is light blue and contains the 'Log In' heading. Below the heading are two input fields for 'E-mail' and 'Password'. A checkbox labeled 'Remember me (for 30 days)' is positioned below the password field. At the bottom of the form are three buttons: 'Log In' (blue), 'Sign Up' (white), and 'Lost Password' (white). The footer is dark and contains 'Copyright © 2016' on the left, 'Powered by web2py' on the right, and a 'Share' button.

GroupThink™ Log In

Log In

E-mail

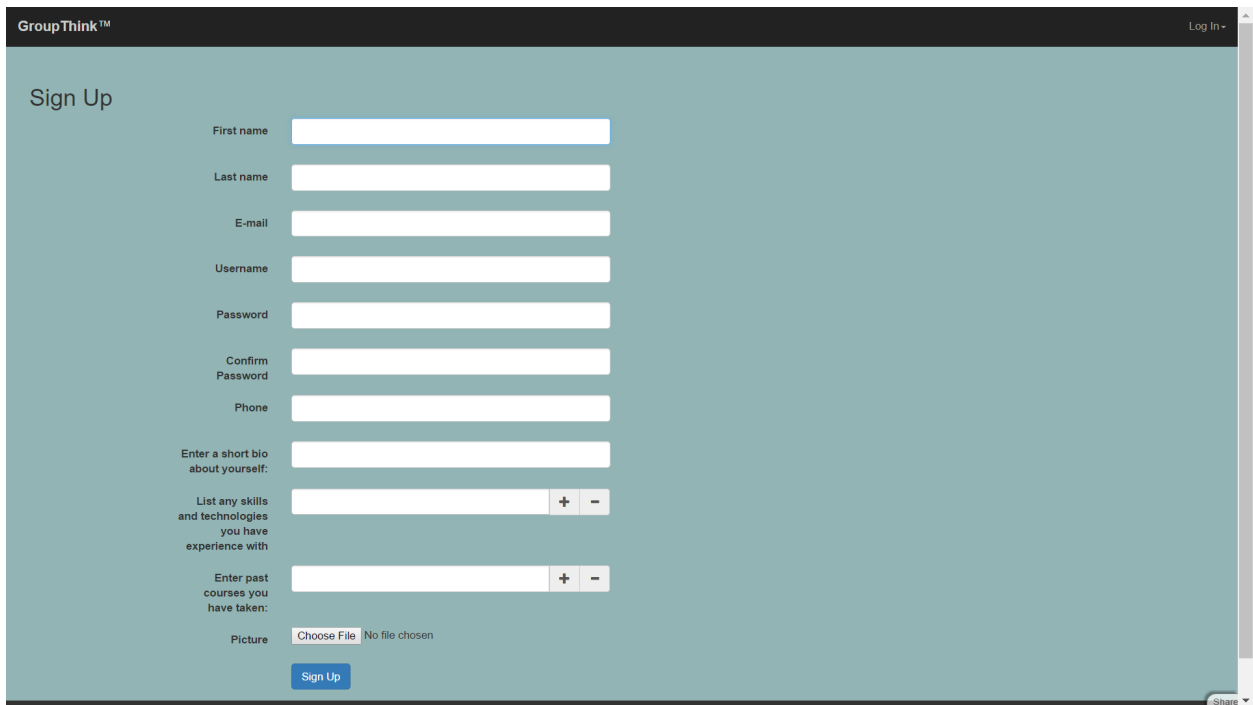
Password

☐ Remember me (for 30 days)

Log In Sign Up Lost Password

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Option 2: create an account using the Sign Up button.



The image shows the 'Sign Up' page of the GroupThink website. The page has a dark header with 'GroupThink™' on the left and 'Log In' on the right. The main content area is light blue and contains the 'Sign Up' heading. Below the heading are several input fields: 'First name', 'Last name', 'E-mail', 'Username', 'Password', 'Confirm Password', and 'Phone'. There are also two text areas for 'Enter a short bio about yourself:' and 'Enter past courses you have taken:', each followed by a '+ -' button. At the bottom, there is a 'Picture' field with a 'Choose File' button and 'No file chosen' text. A 'Sign Up' button is at the bottom center. The footer is dark and contains a 'Share' button.

GroupThink™ Log In

Sign Up

First name

Last name

E-mail

Username

Password

Confirm Password

Phone

Enter a short bio about yourself:

List any skills and technologies you have experience with: + -

Enter past courses you have taken: + -

Picture No file chosen

Sign Up

Share

Here you will begin to enter all the information needed by the site

- First and Last Name
- Email: used for both login and contact information
- Username: used for the chat feature and sharing your profile page

- Password: used for login
- Phone: used for contact information
- Bio: a short description of yourself displayed on your profile page
- Skills: these are the programming skills that you have that will be used by our patented matching algorithm when finding members for a project
- Coursework: these are classes you have completed that will also be used for finding matching students
- Picture: this is a photo you can upload that all others will view when they see your profile

After signing up or logging-in you will be directed to your dashboard.

YOUR DASHBOARD:

This is your dashboard, where you can navigate to three pages: your profile, your courses, and your projects.

The screenshot shows the GroupThink Dashboard. At the top, there's a navigation bar with 'GroupThink™', 'My Courses', 'Join Course', and a user greeting 'Welcome Michael'. The main heading is 'GroupThink Dashboard'. Below it is a 'My Profile' button. The dashboard is divided into two main sections: 'My Courses' and 'My Projects'.

My Courses Section:

It features a 'View All' button and a table with the following data:

Course Name	Course ID	Edit
CS115 - Software Engineering	CS115F16	

My Projects Section:

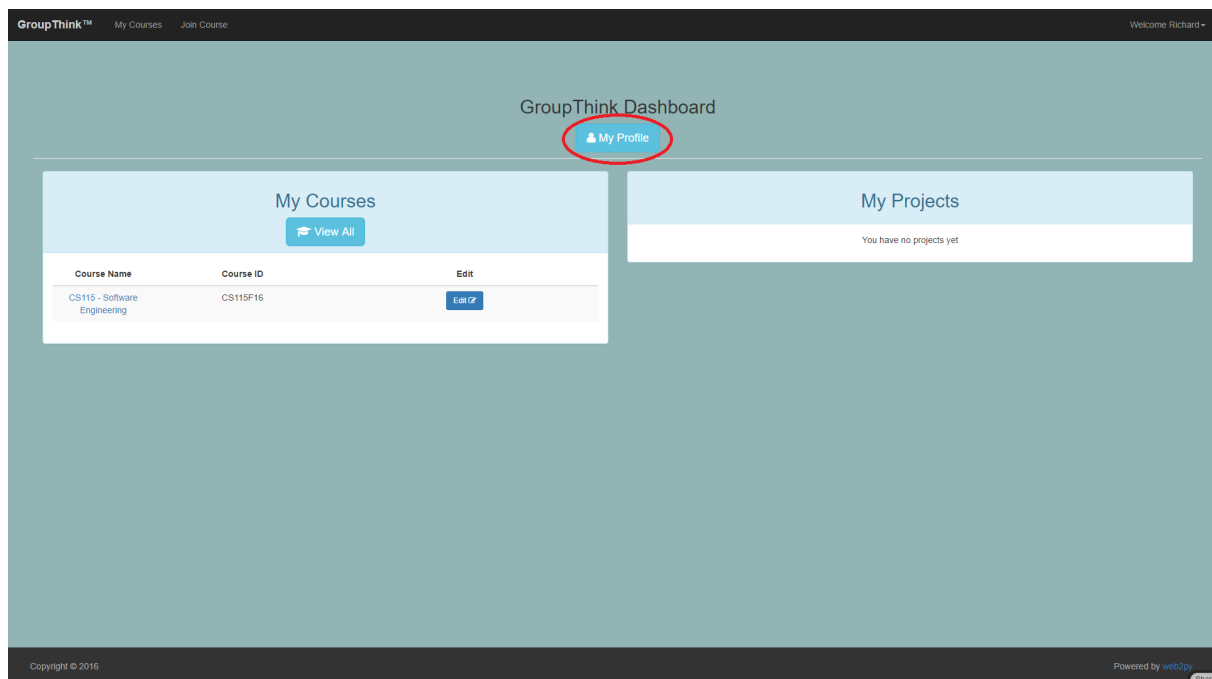
It features a table with the following data:

Project Name	Course ID	Edit
GroupThink	CS115F16	Edit

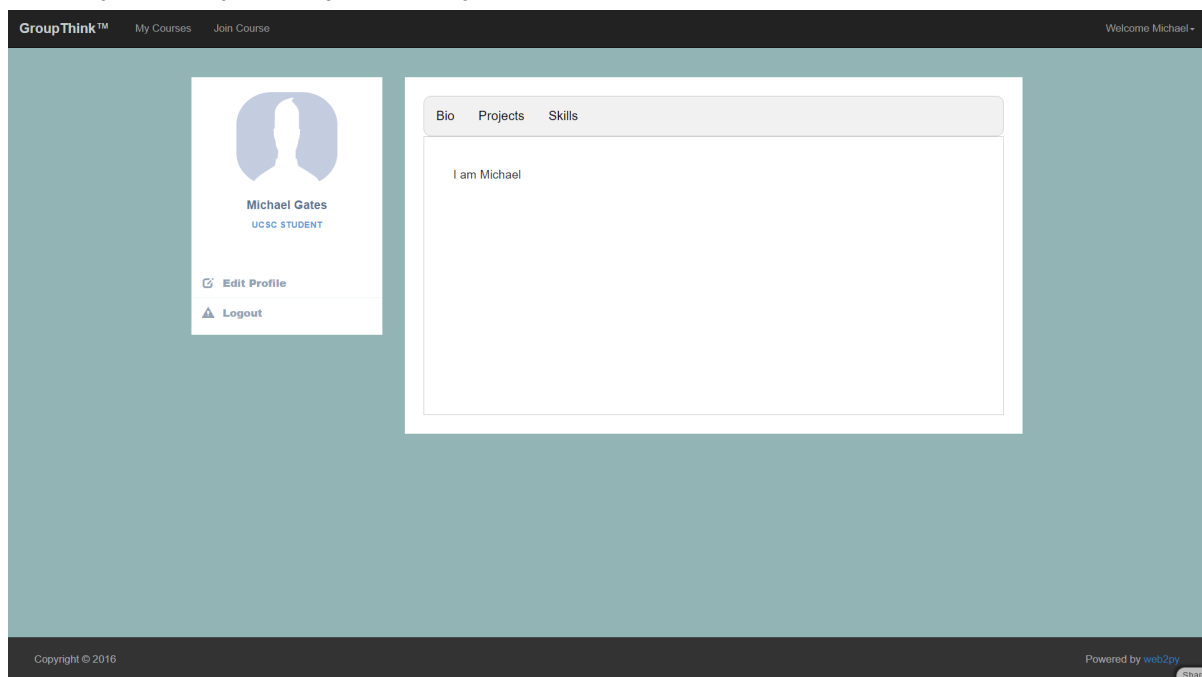
The footer contains 'Copyright © 2016' on the left and 'Powered by web2py' on the right, with a 'Share' button.

MY PROFILE:

This is the page displaying all of your information that others can view. And can be found by clicking My Profile on the Dashboard.



Once we have clicked My Profile we will be brought to your specific profile page. On the left we have your profile photo, name, and title. Below that is the option to edit your profile (See editing profile) and a button to logout. Now moving towards the center of the page we will see tabs that can display all of the information you provided, such as your bio, your projects, and your skills.



Editing your profile:

Once you've clicked the Edit Profile button you will be brought to the edit profile page. Here all of your information will be pre-populated and you can make any necessary changes. Then at the bottom of the page select Apply changes and you will be brought back to your dashboard. Or if you wish you can cancel the changes by navigating from the page using the top Navigation Bar.

GroupThink™

My Courses

Join Course

Welcome Michael

Profile

First name

Michael

Last name

Gates

E-mail

mgates@ucsc.edu

Username

mgates

Phone

Enter a short bio about yourself:

I am Michael

List any skills and technologies you have experience with

HTML

+

-

Javascript

+

-

Python

+

-

Enter past courses you have taken:

+

-

Picture

Choose File

No file chosen

Apply changes

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Share

MY COURSES:

Under this tab you can view all of the courses you are a part of. Using the button on the top you will be directed to your enrolled courses page (See Enrolled Courses). You can also click on the course directly and be sent to the course page, where you can view projects and members (See Course Page) Finally will also notice that if you are the admin for a course you have the option to go directly to the edit page using the button on the right. (Editing a Course)

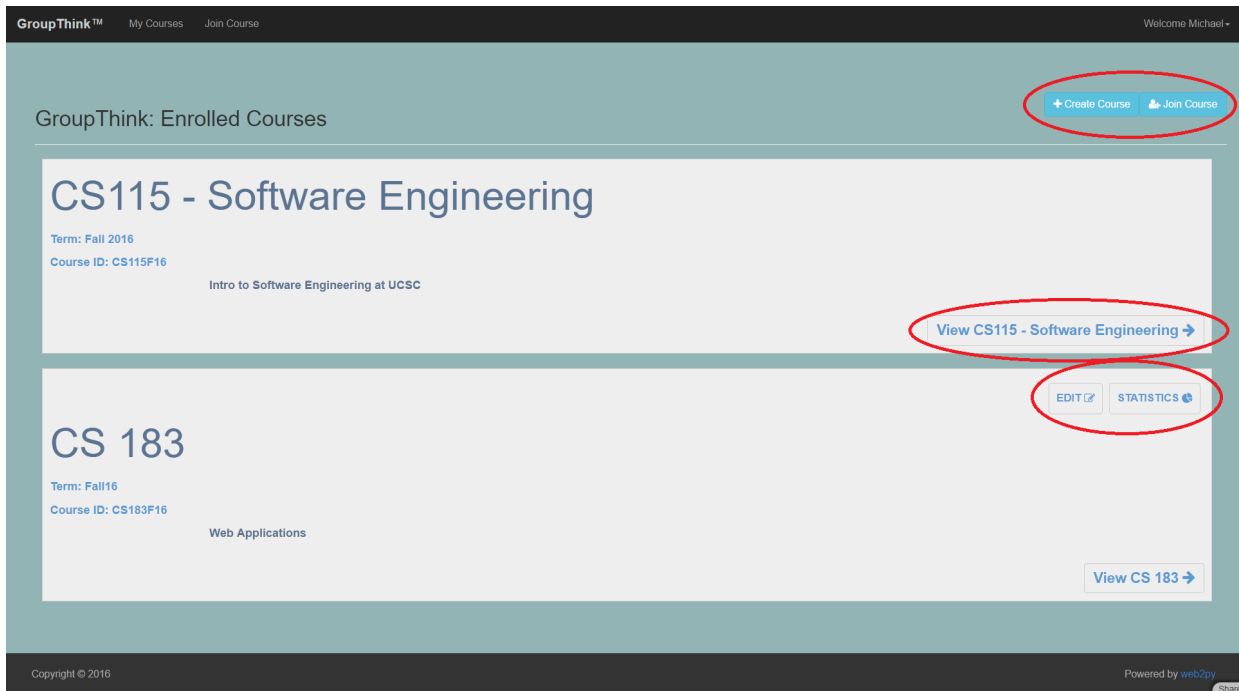
The screenshot shows the GroupThink Dashboard. At the top, there's a navigation bar with 'GroupThink™', 'My Courses', and 'Join Course'. A 'Welcome Michael' dropdown is on the right. Below the navigation bar is the 'GroupThink Dashboard' header with a 'My Profile' button. The main content area is divided into two sections: 'My Courses' and 'My Projects'. The 'My Courses' section is circled in red and contains a 'View All' button and a table of courses. The 'My Projects' section contains a table of projects. At the bottom, there's a footer with 'Copyright © 2016' and 'Powered by web2py'.

Course Name	Course ID	Edit
CS115 - Software Engineering	CS115F16	
CS 183	CS183F16	Edit

Project Name	Course ID	Edit
GroupThink	CS115F16	Edit

Enrolled Courses:

If you clicked View All you will be directed to your enrolled courses page, where you will see all the courses you are enrolled in. This is also the page you would use if you wanted to create (See Create) or join (See Join Course) a course. If you are enrolled in courses you will have the option to view the course and be taken to the course's page. If you are the admin though you will have additional buttons to edit the course and to view statistics on the course. (See statistics page)



Create Course:

If you wish to create a course you will click Create Course on the top right. This button will take you to the course creation page. Once you have created the course you will be directed back your enrolled courses page and the new course will have been added.

Join Course:

If you are looking to join a course you will click the Join Course button next to Create Course. On this page you will use the unique course ID given by the admin to join a course. Once you have completed this process and the course ID is correct you will be direct back to you enrolled courses page and the new course will have been added.

GroupThink™ My Courses Join Course Welcome Michael

Join a course

Course Id

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Edit Course:

If you are the admin of the course you will have the option to edit your course. On this page you can change the course name, course description, and term. The course ID cannot be changed due to it being the unique course identifier.

GroupThink™ My Courses Join Course Welcome Michael

Edit course

Course Name

Course Id

Course Info

Admin Email

Term

☐ Check to delete

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Stats Page:

Another feature unique to admins is the statistics page. On this page a professor can view various stats on his course. For example, the right column displays all members of the class. The middle displays all the projects associated with the course. Finally on the left we have all members in the course who are not associated with a project. This will allow a professor to quickly and easily manage the class at a glance.

The screenshot shows the 'Stats Page' for a course named 'CS115 - Software Engineering'. The page is divided into three main columns: 'Enrolled Students' (left), 'Number of Projects' (middle), and 'Students not in projects' (right). The 'Enrolled Students' column lists 17 students. The 'Number of Projects' column lists 8 projects. The 'Students not in projects' column lists 1 student. The page also includes a top navigation bar with 'GroupThink™', 'My Courses', and 'Join Course' links, and a bottom footer with 'Copyright © 2015' and 'Powered by redgy'.

GroupThink™ My Courses Join Course Welcome Richard

Course Name: CS115 - Software Engineering View All Projects View Course Members Post Project

CS115 - Software Engineering

Course Name: CS115 - Software Engineering
Course Info: Intro to Software Engineering at UCSC

Enrolled Students: 17	Number of Projects: 8	Students not in projects: 1
<ul style="list-style-type: none">Ryan MonroeRichard JuligMadeline SchadeCedric LinaresHuamee SanchezKfir DolevRyan MonroeArthur ChaoRicha GoyalTaylor FutralHenry PanJames KennedyJenny KwokNelson RamirezMichael GatesSean DougherSavanna Jordan	<ul style="list-style-type: none">gapSortLoopsProblematicaNeatTabsEnigmaNutriFitVillesGroupThink	<ul style="list-style-type: none">Richard Julig

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COURSE PAGE:

The Course Page is the main page for a course, where all projects and members can be viewed as well as projects can be posted.

The screenshot shows the GroupThink course page. At the top, there is a navigation bar with 'GroupThink™', 'My Courses', and 'Join Course'. On the right, it says 'Welcome Richard'. Below the navigation bar, there are two tabs: 'CS115 - Software Engineering Projects' (selected) and 'CS115 - Software Engineering Members'. A 'Post Project' button is visible on the right. The main content is a table with the following columns: Project Name, Description, Team Members, and Accepting Members?.

Project Name	Description	Team Members	Accepting Members?
GroupThink	The group forming site of the future	<ul style="list-style-type: none">Michael GatesRyan MonroeSavanna JordanSean Dougher	No
Vittles	Menu focused food app to review and discover the best dishes nearby	<ul style="list-style-type: none">Jenny KwokNelson Ramirez	No
NutriFit	Fitness Portal	<ul style="list-style-type: none">Henry PanJames Kennedy	No
Enigma	Encryption for password manager	<ul style="list-style-type: none">Taylor Futral	No
NeatTabs	Organize Tabs	<ul style="list-style-type: none">Arthur ChiaoRicha Goyal	No
Problematica	Provides monetary incentive to tackle unsolved problems in math and science.	<ul style="list-style-type: none">Kfir DolevSteven Mazliach	No
Loops	Android app that finds a route someone can run/bike given a distance input.	<ul style="list-style-type: none">Cedric LinaresHuimee Sanchez	No
gapSort	Bi-weekly planner that specifically shows gaps in everyone's schedule.	<ul style="list-style-type: none">Daniel FarleyMadeline Schade	No

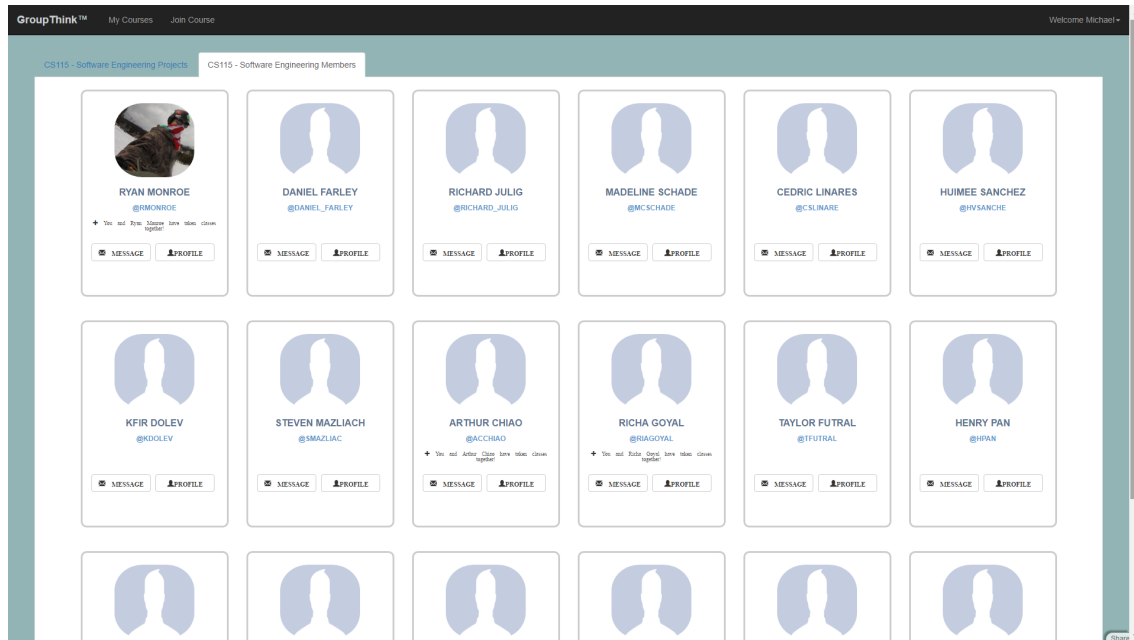
At the bottom of the page, it says 'Copyright © 2016' and 'Powered by web2py'.

Projects List:

On the projects list tab we can view all the projects in class and browse for one they wish to join. On the right is the group name, then a short description of the project, then all members currently in the group, and finally if this group is accepting new members. If a member does find one that seems interesting they can then click the project name and be directed to the the project's page (See project Page).

Members List:

On the members list tab a user can view all members of the class, with links to their profiles. In order to travel to a user's profile simply click the profile button. The message button is in progress, but will allow a user to message another member within the site.



Post Project:

The post button on the top right of the course page will allow a member of the class to post a new project to the course. Simply fill out the name, current members, a short description, need skills, and if you are accepting members.

A screenshot of the GroupThink website's 'Create project' form. The form is titled 'Create project' and contains several input fields and buttons. The fields are: 'What is the name of your project?' (a single-line text input), 'Add your email and the email of other team members:' (a multi-line text input with '+' and '-' buttons), 'Please describe your project: What is the design, purpose, and goal?' (a multi-line text input), and 'What skills and technologies are needed to develop this project?' (a multi-line text input with '+' and '-' buttons). Below the last field is a checkbox labeled 'Are you looking for more team members? If so, click this box!'. At the bottom of the form are two buttons: 'Submit' and 'Cancel'. The page footer includes 'Copyright © 2016' and 'Powered by webbug'.

PROJECT PAGE:

The project page refers to a page specific to a project not the project list. You can access a project's page using two methods. Additionally you will have the option to go directly to the edit project page if you are the project owner

Option 1: Selecting the project from your dashboard. If you are the project owner you will also have a direct link to the project edit page. (See Edit Project)

The screenshot shows the GroupThink Dashboard. At the top, there's a navigation bar with 'GroupThink™', 'My Courses', 'Join Course', and a user greeting 'Welcome Michael'. Below this, the dashboard is titled 'GroupThink Dashboard' with a 'My Profile' button. The main content area is divided into two columns: 'My Courses' and 'My Projects'.

My Courses Section:

Course Name	Course ID	Edit
CS115 - Software Engineering	CS115F16	
CS 163	CS163F16	Edit CF

My Projects Section:

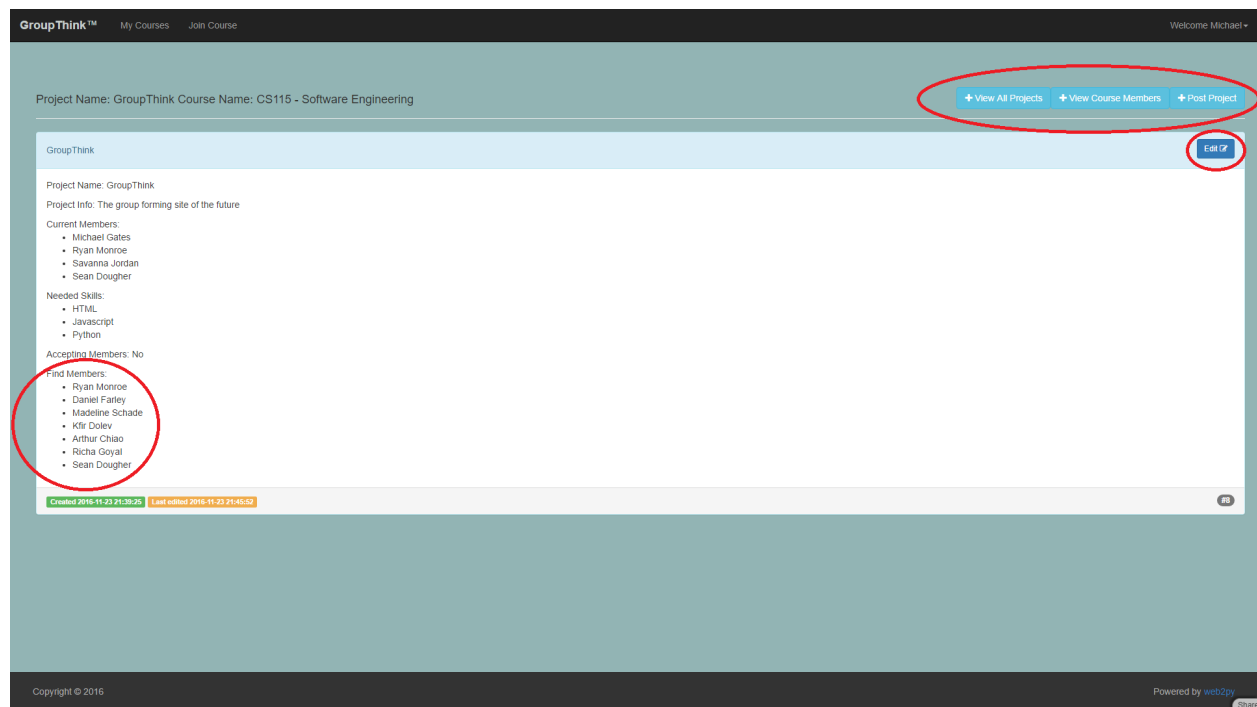
Project Name	Course ID	Edit
GroupThink	CS115F16	Edit CF

Red circles in the original image highlight the 'Project Name' (GroupThink) and the 'Edit' button (Edit CF) in the 'My Projects' table.

Footer: Copyright © 2016. Powered by web2py. Share

Option 2: Another way to view a project page is to select it from the project list under the course page. To do this you will simply click the name of the project you are interested in on the list page.

Now that we have navigated to a project page you should see something like this:



This page has many features allowing users to view all the information associated with a given project. At the top you will see all the buttons from the course page. So that you may navigate back or create your own project. Another feature on the top right you will see, if you are the product owner, is the edit project button. (See Edit Project). Now the information on the project consist of the the name, a short description, current members, needed skills for the project, and if they are accepting members. Now the circled section displays the feature that separates us from other group making sites. In this section the project owner can view members that meet the needed skills they are looking for.

Edit Project:

If you are the project owner you will be able to edit your project here on the edit project page. You can change all the information you provided when the project was created as well as delete the project if you want too.

Edit project

What is the name of your project?

Add your email and the email of other team members:

Please describe your project: What is the design, purpose, and goal?

What skills and technologies are needed to develop this project?

 ☐ Are you looking for more team members? If so, click this box!☐ Check to delete