

# User Manual for Georgia Tech Capstone Design Expo Application

Developed by Team Drop Tables, Spring 2014



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# Georgia Tech Capstone Design Expo Application Overview

The Capstone Design Expo application is a multiplatform mapping web application that can be accessed on both mobile and desktop devices. It is organized into six major features: Projects, Expo Map, Tips, Schedule, Seelio, and Social. Each feature can be accessed by clicking their respective icon from the home page menu screen. Additionally, there is a “Contact Us” form and “Feedback” form located on the bottom of every page.

## How To Access the Home Page Menu Screen?

1. Open a page in either Chrome, FireFox, or Safari and enter <http://www.expo.gatech.edu> in the search bar and press enter.
2. You are now on the homepage of the application and all the menu options are displayed.



## How to Search for a Project

1. Click or tap on the Projects icon from the home page to go to the Projects page.

The screenshot shows the Georgia Tech Capstone Design Expo website. At the top, there is a dark header with the Georgia Tech logo and the text "Capstone Design Expo". Below the header, the word "Projects" is prominently displayed in a large, bold, blue font. To the left of "Projects" is a "Back" button, and to the right is a magnifying glass icon for search. The main content area is a table titled "Project Name" with a "Table" column on the right. Each row lists a project name and its corresponding table number, followed by a right-pointing arrow. The projects listed are: 2014 Mars Exploration CubeSat Design Competition (b11), 31st Annual American Helicopter Society International, Student Design Competition (g5), 3D Presence (g16), A Peek at Mars Night (w49), A Point-of-Care Microfluidic Device for HIV Viral Load Testing in Africa (b13), A Six City Urban Agriculture Case Study (w28), A Wireless Communications Radio Frequency Scanner for Signal Measurement (g14), AH2 (w1), AIAA Aircraft Design Competition (w50), AIAA Regional Turboprop Competition (w26), and AIAA Undergraduate Team Aircraft Design Competition- Team Virtuosity V-1000 (b52).

Project Name	Table
2014 Mars Exploration CubeSat Design Competition	b11 >
31st Annual American Helicopter Society International, Student Design Competition	g5 >
3D Presence	g16 >
A Peek at Mars Night	w49 >
A Point-of-Care Microfluidic Device for HIV Viral Load Testing in Africa	b13 >
A Six City Urban Agriculture Case Study	w28 >
A Wireless Communications Radio Frequency Scanner for Signal Measurement	g14 >
AH2	w1 >
AIAA Aircraft Design Competition	w50 >
AIAA Regional Turboprop Competition	w26 >
AIAA Undergraduate Team Aircraft Design Competition- Team Virtuosity V-1000	b52 >

This screenshot shows the same Georgia Tech Capstone Design Expo website as the previous one, but it is displayed on a mobile phone screen. The top status bar shows "AT&T" and "1:23 AM". The main content area is identical to the desktop version, featuring the "Projects" title, "Back" button, and magnifying glass search icon. The table of projects is also the same, listing the ten projects with their respective table numbers and arrows.

Project Name	Table
2014 Mars Exploration CubeSat Design Competition	b11 >
31st Annual American Helicopter Society International, Student Design Competition	g5 >
3D Presence	g16 >
A Peek at Mars Night	w49 >
A Point-of-Care Microfluidic Device for HIV Viral Load Testing in Africa	b13 >
A Six City Urban Agriculture Case Study	w28 >
A Wireless Communications Radio Frequency Scanner for Signal Measurement	g14 >

2. Click or tap on the magnifying glass icon to expand the search bar.

The screenshot shows a mobile web browser displaying the Georgia Tech Capstone Design Expo website. The header features the Georgia Tech logo and the text "Capstone Design Expo". Below the header, a yellow navigation bar contains a "Back" button and the word "Projects". A search bar is positioned above a table of project entries. The table has two columns: "Project Name" and "Table". Each entry includes a small blue arrow icon at the end of the "Table" column. The projects listed are:

Project Name	Table
2014 Mars Exploration CubeSat Design Competition	b11 >
31st Annual American Helicopter Society International, Student Design Competition	g5 >
3D Presence	g16 >
A Peek at Mars Night	w49 >
A Point-of-Care Microfluidic Device for HIV Viral Load Testing in Africa	b13 >
A Six City Urban Agriculture Case Study	w28 >
A Wireless Communications Radio Frequency Scanner for Signal Measurement	g14 >
AH2	w1 >
AIAA Aircraft Design Competition	w50 >
AIAA Regional Turboprop Competition	w26 >

The screenshot shows a mobile phone displaying the same Georgia Tech Capstone Design Expo website as the previous screenshot. The phone's status bar indicates it is connected to AT&T, has signal strength, and the time is 1:24 AM. The screen content is identical to the desktop version, showing the "Projects" section with the same list of projects and their corresponding tables.

3. The search bar supports the following search options: **Search by Project Name, Project Major, Team Name, Table Location, Sponsor Name, and Team Members' names**. Enter a search term corresponding to one of these options.

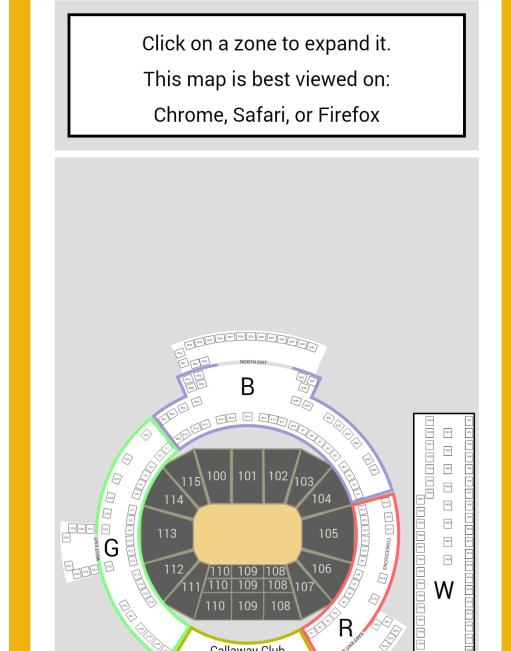
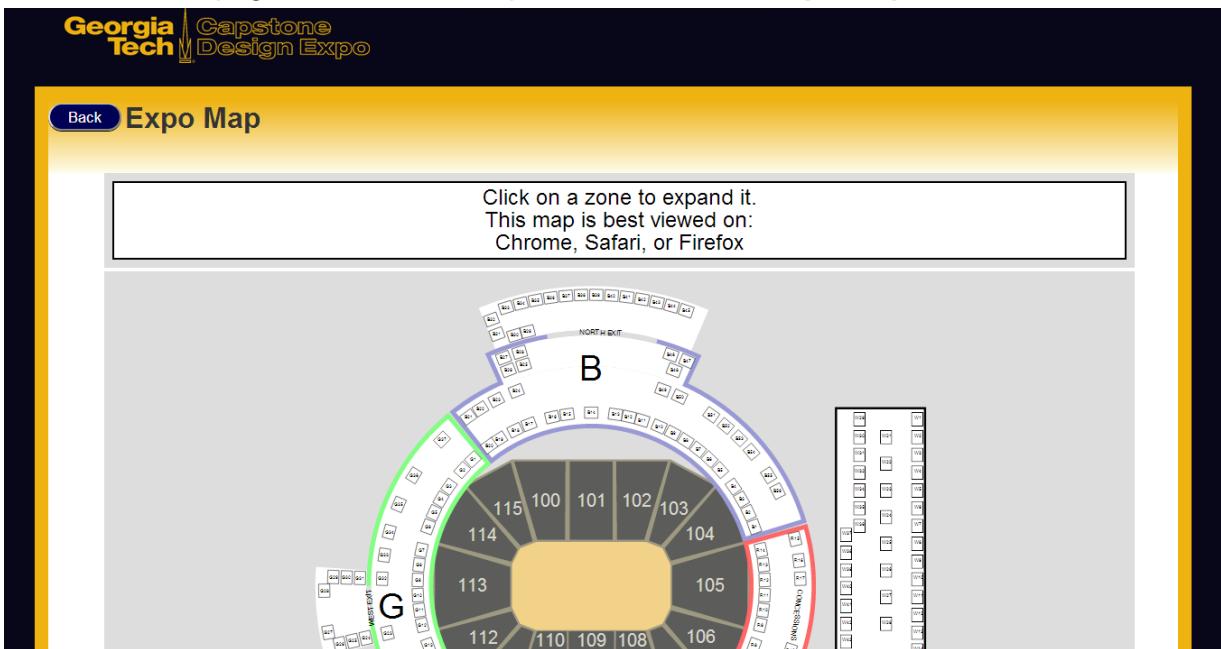
4. For example if you enter “b14” as a table location, here are the results:

The screenshot shows a desktop web browser window. At the top, there is a header with the Georgia Tech Capstone Design Expo logo. Below the header, a yellow search results box is displayed with the title "Search Results for: 'b14'". Inside the box, there is a table with two columns: "Project Name" and "Table". A single row is shown, listing "Design Expo App" under "Project Name" and "b14" under "Table". At the bottom of the page, there is a "Contact Us" button and copyright information: "Created by Team Drop Tables Copyright © 2014 | Feedback".

The screenshot shows a mobile phone screen displaying a web page from expo.gatech.edu/search/b14. The top status bar indicates it's an AT&T connection at 1:25 AM. The page content is identical to the desktop version, featuring the Georgia Tech Capstone Design Expo logo, a yellow search results box titled "Search Results for: 'b14'", a table with the same data, and the same footer with "Contact Us" and copyright information.

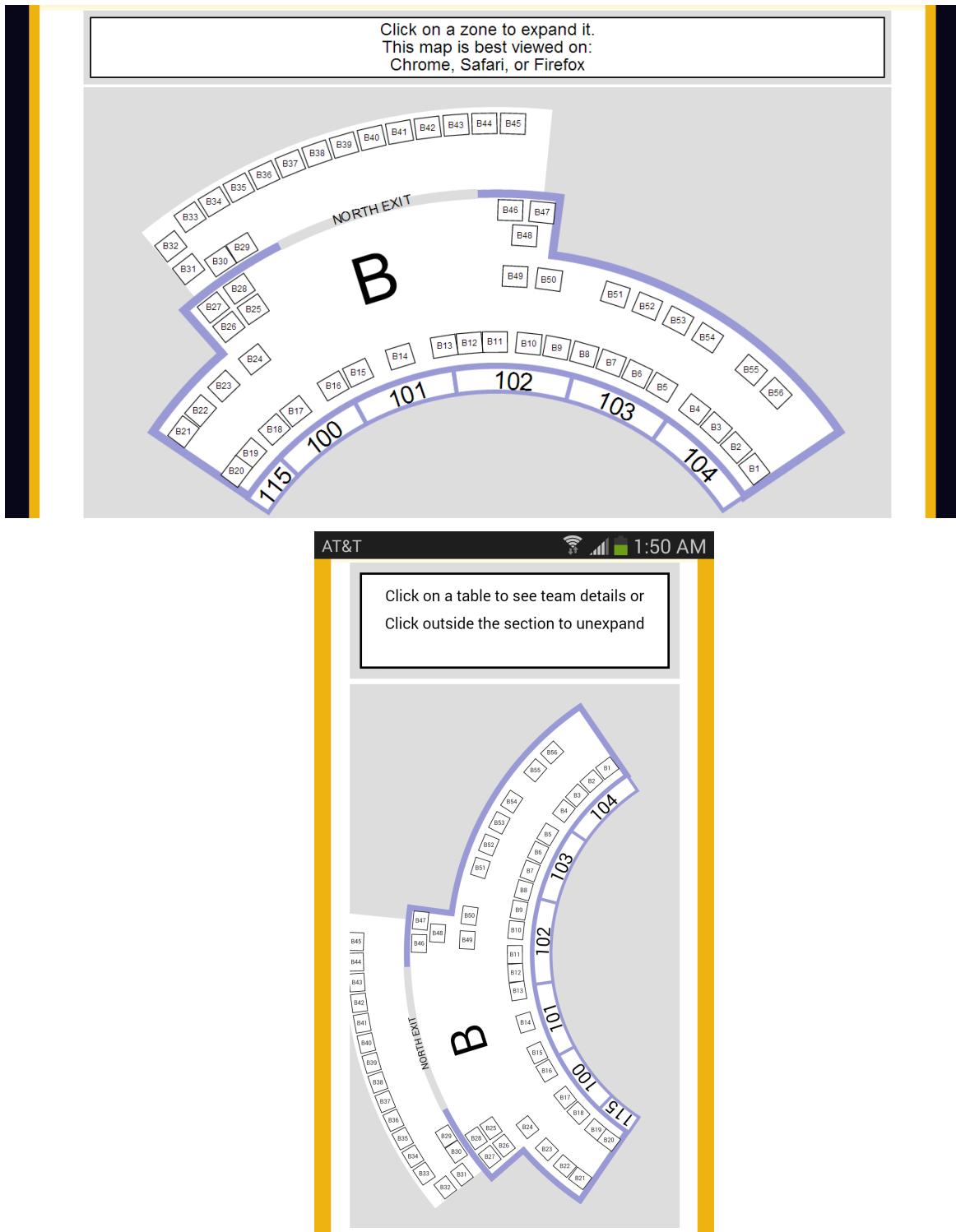
## How To Use the Map?

1. On the home page menu, click or tap the icon labeled “Expo Map.”

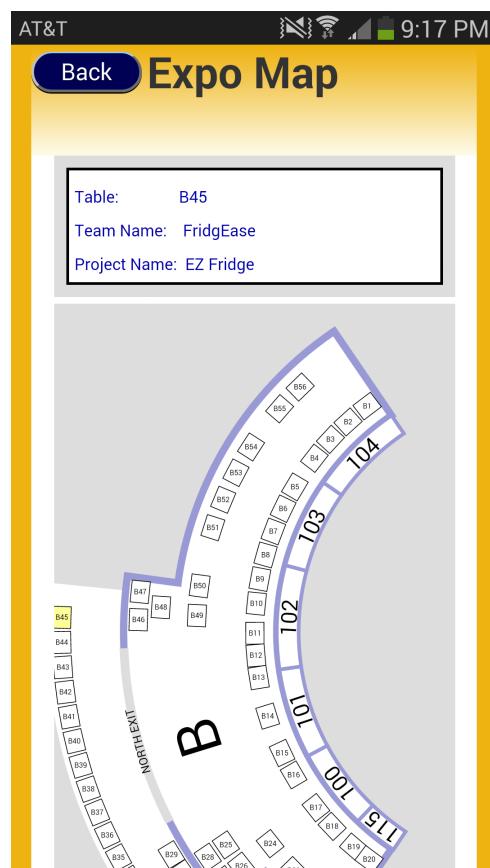
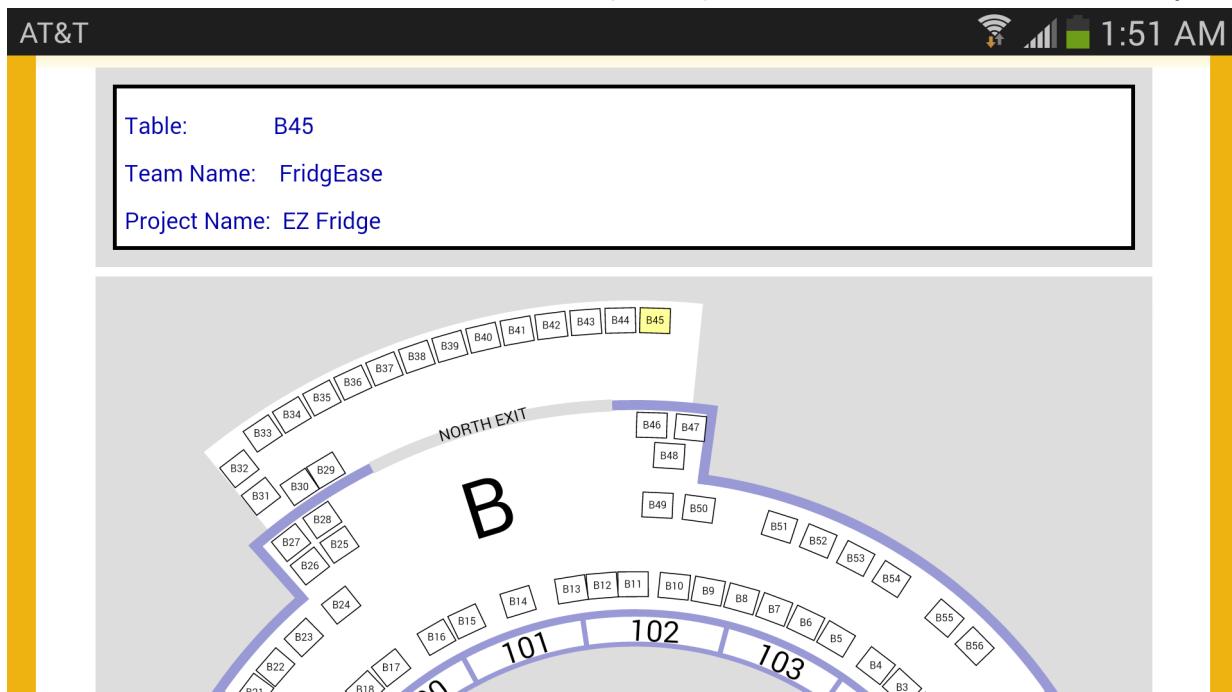


2. To zoom into a particular zone of the map, click or tap either the Blue, Red, Green, or White zones.

3. Now you are “inside” a zone.



4. To find information about a table, click or tap on top of a table icon until the icon turns yellow.



5. Check the text above to see information about the team for this table.

6. Click or tap the text to access this team's project details page.

The screenshot shows a mobile web browser displaying the Georgia Tech Capstone Design Expo website. The top navigation bar includes the Georgia Tech logo and the expo name. Below the header, the team name is listed as "EZ Fridge". The main content area displays the following information:

**Team Name:** FridgEase  
**Table:** b45 [[Go to expo map](#)]  
**Project Major:** Mechanical Engineering

**Team Members (Majors):**

- Miranda Myers (Mechanical Engineering)
- Julie Bergen (Mechanical Engineering)
- Bryan Levy (Mechanical Engineering)
- Ying Zhang (Mechanical Engineering)
- Chance Giddens (Mechanical Engineering)
- Katie Scott (Mechanical Engineering)

**Project Description**

The EZ Fridge is the refrigerator for the family on the go; no longer will getting contents out of the fridge be a hassle. It will make filling a water pitcher, grabbing contents out of the fridge, and finding food from the back quicker and easier tasks. The EZ Fridge's novelties include an automatically filling water pitcher, drop-down shelves, and pull-out rotating shelves.

The screenshot shows a smartphone displaying the same project details page. The screen includes a status bar at the top showing signal strength, battery level, and the time (1:52 AM). The content is identical to the desktop version, featuring the Georgia Tech Capstone Design Expo header, the team name "EZ Fridge", and the project details: Team Name: FridgEase, Table: b45 [Go to expo map], Project Major: Mechanical Engineering. The "Team Members (Majors)" section and "Project Description" are also present.

## How to View Tips?

1. Click or tap on “Tips” on the main home page.
2. Select to view tips for either “judges”, “students,” or “visitors.”

3. If you select judges, you will see the tips for judges section will expand.

4. If you select students, the tips for students section will expand.

The screenshots show the 'Georgia Tech Capstone Design Expo' app interface. The top bar displays the event name and time (1:54 AM). The main screen is titled 'Tips' with a 'Back' button. It contains three collapsed sections: '+ Tips for Judges', '- Tips for Students', and '- Tips for Visitors'. The right screenshot shows the '+ Tips for Judges' section expanded, revealing a list of tips for judges. The '- Tips for Students' section is also partially visible.

5. If you select visitors, the tips for visitors will expand.

The screenshots show the 'Georgia Tech Capstone Design Expo' app interface. The top bar displays the event name and time (1:31 AM). The main screen is titled 'Tips' with a 'Back' button. It contains three collapsed sections: '+ Tips for Judges', '+ Tips for Students', and '- Tips for Visitors'. The right screenshot shows the '- Tips for Visitors' section expanded, revealing a list of tips for visitors. The '+ Tips for Judges' and '+ Tips for Students' sections are also partially visible.

6. Once a particular section is selected, click or tap on the link to open external links.

## How to View Expo Schedule?

1. Click or tap on “**Schedule**” icon from the home page.
2. You can see the expo schedule and also day-of-bus schedule.

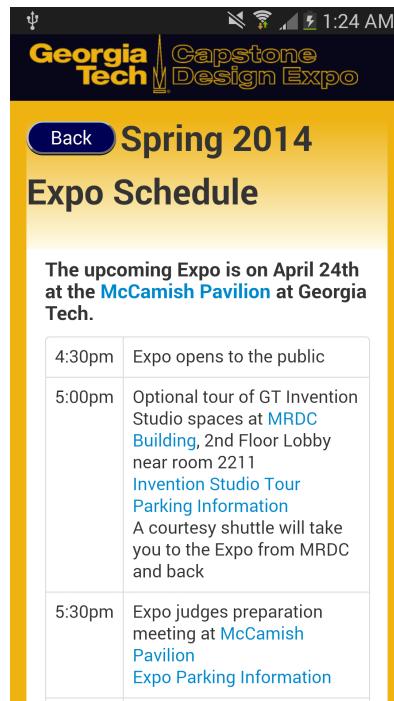
The screenshot shows a mobile web page titled "Spring 2014 Expo Schedule". At the top, there is a message: "The upcoming Expo is on April 24th at the [McCamish Pavilion](#) at Georgia Tech." Below this is a table of events:

4:30pm	Expo opens to the public
5:00pm	Optional tour of GT Invention Studio spaces at <a href="#">MRDC Building</a> , 2nd Floor Lobby near room 2211 <a href="#">Invention Studio Tour Parking Information</a> A courtesy shuttle will take you to the Expo from MRDC and back
5:30pm	Expo judges preparation meeting at <a href="#">McCamish Pavilion</a> <a href="#">Expo Parking Information</a>
6:00pm	Judging begins
8:00pm	Presentation of awards & prizes
8:30pm	Expo concludes

Below the table is a section titled "Day-of-Bus Schedule" with the following information:

5:30pm	Bus will begin running from MRDC building to take visitors from Invention Studio tour to McCamish Pavilion
6:00pm	Bus is open to the public - route will run every 15 minutes from MRDC to McCamish Pavilion with no other stops along the way
9:00pm	Bus closes to the public

At the bottom, there is a link: "Click [here](#) for a downloadable copy of the Expo, GT Invention Studio tour, and parking information."



3. Click or tap on the links to open the external links.

## How to use Seelio?

1. To view all teams with a Seelio portfolio, click or tap on the “**Seelio**” icon from the home page.
2. View the Seelio gallery of teams with a Seelio portfolio.

The image shows a mobile application interface for the Georgia Tech Capstone Design Expo. At the top, there's a header bar with the Georgia Tech logo and a 'Back' button. Below the header is a search bar with 'All' and 'Filter by Top Tags / Filter by Schools/Majors' buttons, and a 'Powered by seelio' logo. The main content area shows two project cards. The first card is for 'HemoHalt ACT (Arterial Compression Tool)' with a red background and the text 'HEMO HALT READY FOR ANYTHING'. The second card is for 'Respi-Trust' with a white background and the text 'Another breath... More Trust...' and a blue circular logo. At the bottom of the screen, there's a news feed card for 'Good Vibrations - Flight Surface Vibrat...' showing a photo of two people and the text 'Mechanical Engineering'. Below that is another card for 'Threx - State of the Art High-Enduranc...' showing a group of people with a drone.

3. To view an individual team’s portfolio, click or tap on a team’s project title or cover image to be directed to their page.

## How To Tweet using #GTExpo?

1. Click or tap on the Social icon.
2. Scroll down to the bottom of the page where it says “Tweet #GTExpo”

The images show two views of the Georgia Tech Social media interface. The top image is a desktop view with a yellow header labeled 'Social'. It displays a list of tweets from the account @georgiatech, all related to the GTExpo. The bottom image is a mobile view on an AT&T network. It also shows a list of tweets from @georgiatech and includes a 'Tweet #GTExpo' input field at the bottom.

3. Click or tap in the white area of the box to be redirected to your Twitter account to sign in where you can post a tweet.

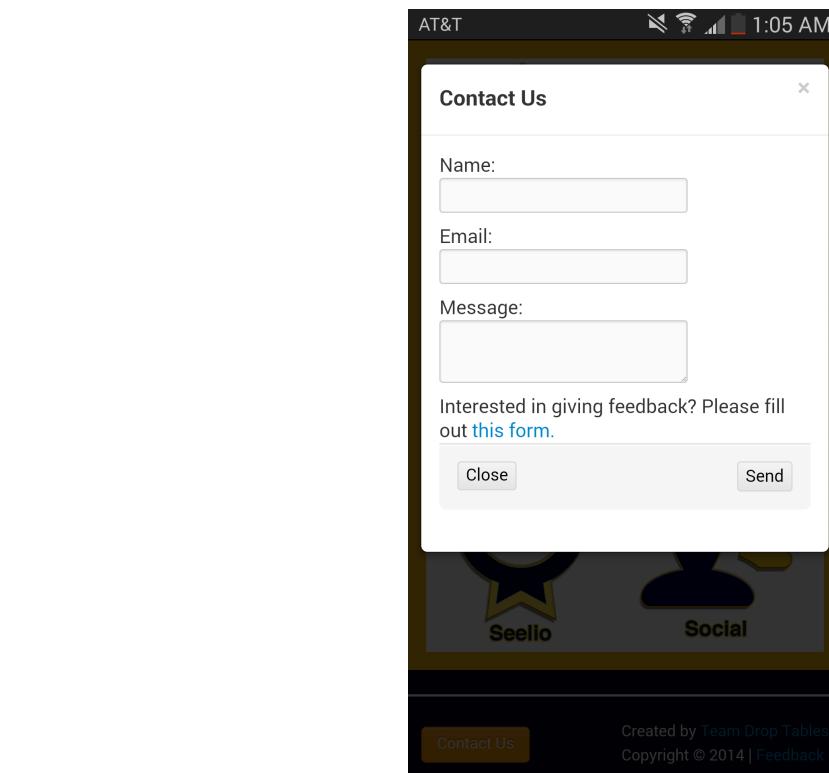
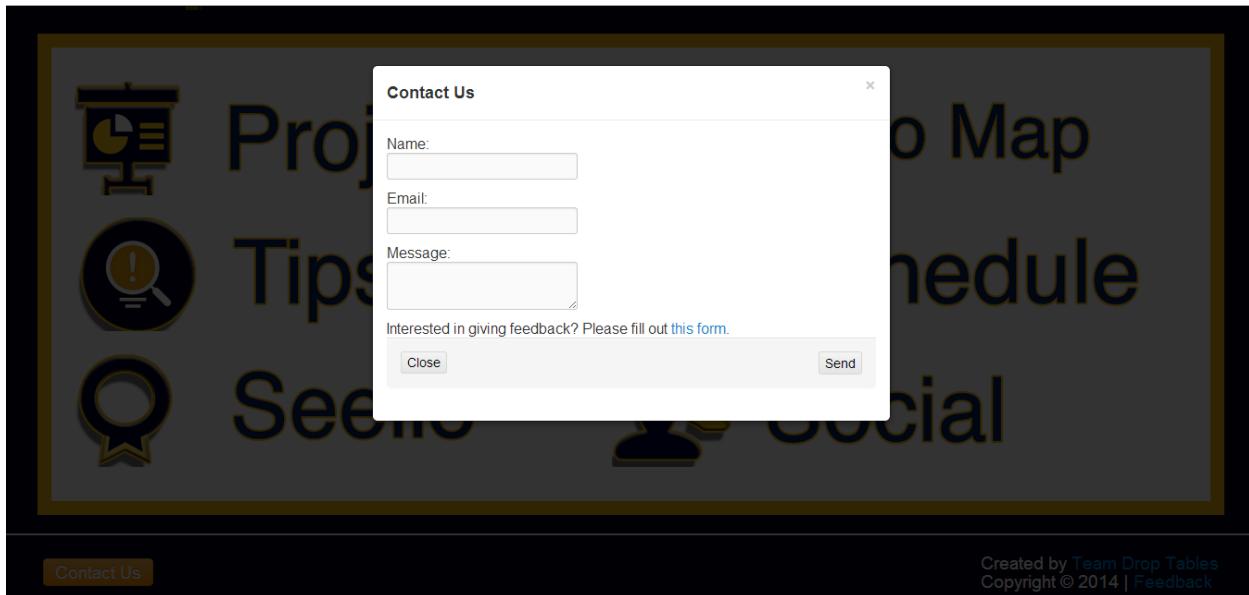
The screenshot shows a mobile application interface. At the top, there's a header bar with a "Back" button and the word "Social". Below this is a list of tweets from users like Steven Norris (@SociallySteven), Georgia Tech (@georgiatech), and Seelio (@Seelio). A yellow banner at the bottom of this list says "Tweet #GTExpo". Overlaid on this is a Twitter compose screen from Google Chrome. The URL in the address bar is https://twitter.com/intent/tweet?hashtags=GTExpo&origin=. The main area asks "What's happening?" with a text input field containing "#GTExpo". Below it are fields for "Username or email" (with "132" characters shown) and "Password". There's also a "Sign up" link and a "Remember me" checkbox. At the bottom of the compose screen is a "Sign in and Tweet" button.

This screenshot shows a mobile browser window with the URL https://twitter.com/intent/tweet?hashtag=GTExpo. The Twitter interface is visible, including the "What's happening?" input field with "#GTExpo", the "Sign up" and "Sign in and Tweet" buttons, and the "Remember me" checkbox. Below the compose screen is a "New to Twitter?" section with a "Sign up" link and a "What is Twitter? Learn more" link. The browser status bar at the top shows AT&T signal strength, battery level, and the time 2:21 AM.

4. If you come back to the Social page of the application, the tweet will appear at the top of the Social page Twitter feed.

## How to Submit a Question or Comment?

1. Click or tap on “**Contact Us**” button, located on the bottom of the home page
2. Complete the name, email, and message fields.



3. Click or tap on the submit button.
4. You will see a thank you message and you will be redirected to the home page.

## How to Access the Feedback Form?

1. Click or tap on the “**Feedback**” icon, located on the bottom of the home page OR click or tap the link inside of the Contact Us form.
2. You will redirected to the Feedback Google form.

**Capstone Expo Feedback - Spring 2014**

Feedback from for the IT Innovations implemented at the Spring 2014 GT Capstone Design Expo

Did you find the [expo.gatech.edu](http://expo.gatech.edu) web-app to be useful?

Yes  
 No

How would you rank the ease of website navigation?

1   2   3   4   5  
Extremely Difficult       Extremely Easy

What problem did the website solve for you?  
Why did you use this site?

Learn about the expo - It made me better informed about the Capstone Design Expo  
 Map of teams - helped me not get lost finding teams  
 Interaction - Helped me better connect with teams that I was interested in and follow them  
 Other: \_\_\_\_\_

**Seelio**  
Online Portfolio

How did you hear about Seelio?