

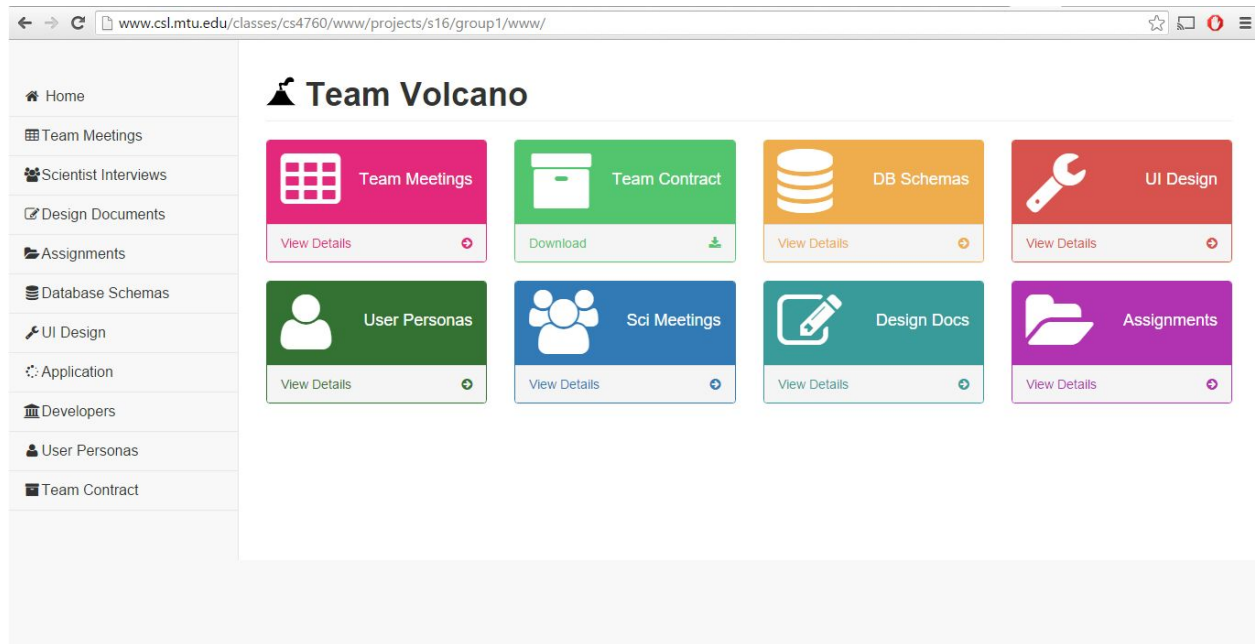


Assignment 2

Team Volcano

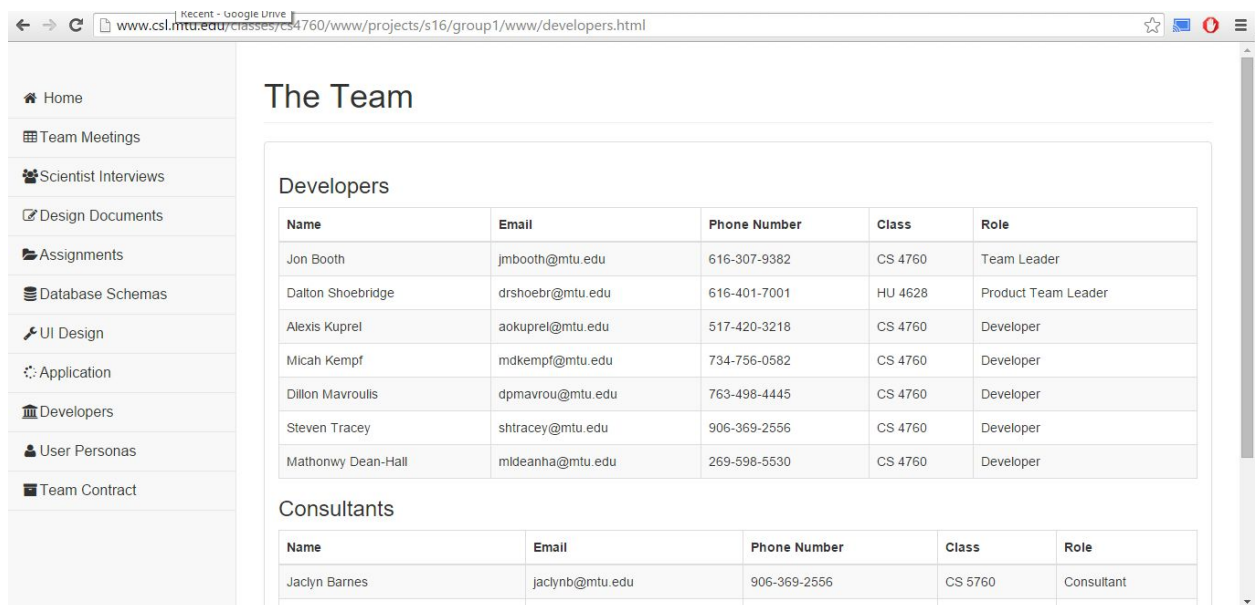
Team Website:

Home Page:



The screenshot shows a web browser window with the URL `www.csl.mtu.edu/classes/cs4760/www/projects/s16/group1/www/`. The page features a navigation sidebar on the left with links to Home, Team Meetings, Scientist Interviews, Design Documents, Assignments, Database Schemas, UI Design, Application, Developers, User Personas, and Team Contract. The main content area is titled "Team Volcano" and contains eight colorful cards, each representing a different team resource: Team Meetings (pink), Team Contract (green), DB Schemas (orange), UI Design (red), User Personas (dark green), Sci Meetings (blue), Design Docs (teal), and Assignments (purple). Each card includes an icon, a title, and a "View Details" button with a right-pointing arrow.

The Team:



The screenshot shows a web browser window with the URL `www.csl.mtu.edu/classes/cs4760/www/projects/s16/group1/www/developers.html`. The page is titled "The Team" and is divided into two sections: "Developers" and "Consultants".

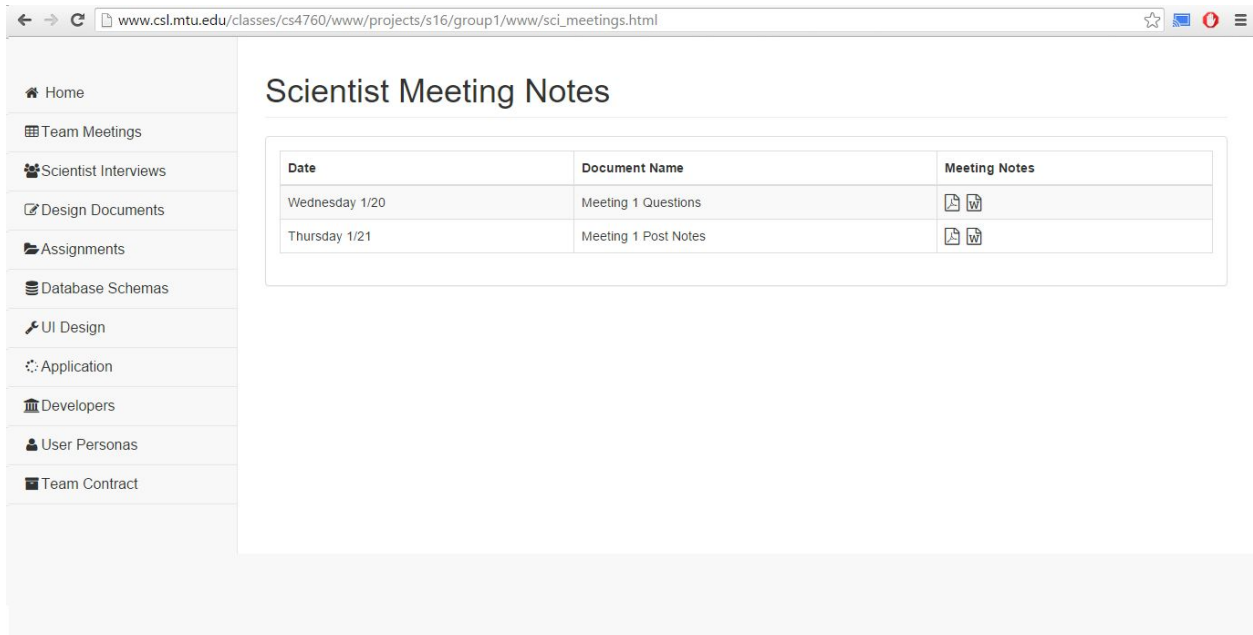
Developers

Name	Email	Phone Number	Class	Role
Jon Booth	jmbooth@mtu.edu	616-307-9382	CS 4760	Team Leader
Dalton Shoebridge	drshoebr@mtu.edu	616-401-7001	HU 4628	Product Team Leader
Alexis Kuprel	aokuprel@mtu.edu	517-420-3218	CS 4760	Developer
Micah Kempf	mdkempf@mtu.edu	734-756-0582	CS 4760	Developer
Dillon Mavroulis	dpmavrou@mtu.edu	763-498-4445	CS 4760	Developer
Steven Tracey	shtracey@mtu.edu	906-369-2556	CS 4760	Developer
Mathony Dean-Hall	mideanha@mtu.edu	269-598-5530	CS 4760	Developer





Consultants

Name	Email	Phone Number	Class	Role
Jaclyn Barnes	jaclynb@mtu.edu	906-369-2556	CS 5760	Consultant

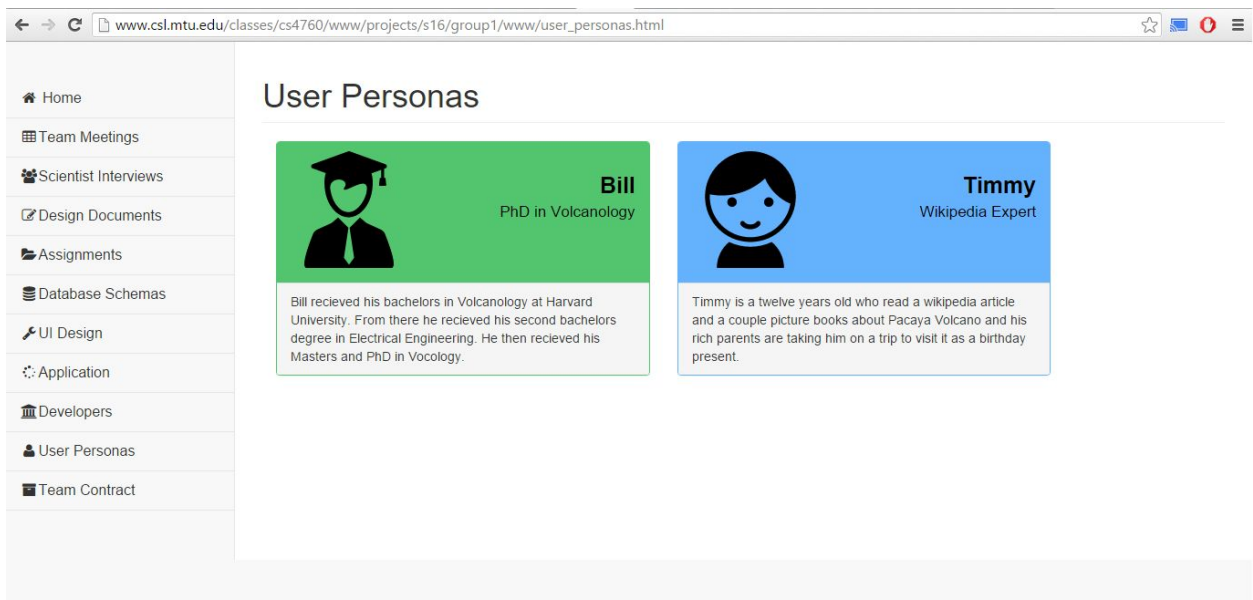
Team Contract/UI Design/Design Documents/Assignments/DB Schemas (etc.):



The screenshot shows a web browser window with the URL www.csl.mtu.edu/classes/cs4760/www/projects/s16/group1/www/sci_meetings.html. The page title is "Scientist Meeting Notes". On the left is a navigation menu with items: Home, Team Meetings, Scientist Interviews, Design Documents, Assignments, Database Schemas, UI Design, Application, Developers, User Personas, and Team Contract. The main content area contains a table with the following data:

Date	Document Name	Meeting Notes
Wednesday 1/20	Meeting 1 Questions	 
Thursday 1/21	Meeting 1 Post Notes	 

User Personas:



The screenshot shows a web browser window with the URL www.csl.mtu.edu/classes/cs4760/www/projects/s16/group1/www/user_personas.html. The page title is "User Personas". On the left is a navigation menu with items: Home, Team Meetings, Scientist Interviews, Design Documents, Assignments, Database Schemas, UI Design, Application, Developers, User Personas, and Team Contract. The main content area displays two user personas:

- Bill**
PhD in Volcanology
Bill recieved his bachelors in Volcanology at Harvard University. From there he recieved his second bachelors degree in Electrical Engineering. He then recieved his Masters and PhD in Vocology.
- Timmy**
Wikipedia Expert
Timmy is a twelve years old who read a wikipedia article and a couple picture books about Pacaya Volcano and his rich parents are taking him on a trip to visit it as a birthday present.

Stakeholders:

- Development team - tertiary stakeholder
- Robert - tertiary stakeholder
- Scientist - secondary stakeholder
- Grad Students - tertiary stakeholder

Users:

- Volcano guides - primary
- Tourists - primary
- People living near Pacaya - secondary

Personas:

1. Bill Smith
 - ◆ PhD in Volcanology from Stanford
 - ◆ Masters in Volcanology from Harvard
 - ◆ Bachelors in Electrical Engineering and Volcanology from Harvard
 - ◆ Fluent in English, Spanish, and French
2. Timmy Jimmy
 - ◆ 12 Years Old
 - ◆ Researched Volcanoes on Wikipedia and watched a couple of youtube videos
 - ◆ Fluent in English
 - ◆ Rich parents are taking him on a trip to visit Pacaya

Nominal Use Scenario

- We (The Developers) are going to be developing, testing, and shipping the application.
- Robert is overseeing the development and owns our creation.
- The scientist and the graduate students are the ones who are going to be viewing the aggregated data and perhaps collecting data themselves. The scientist is also the person who sought to have the application developed.
- The users are going to be the tourists, guides, locals, and scientists that are filling out the form and collecting data using the application.

Simplified Hierarchical Task Analysis

Upper level views:

Report data

- Collect data

- Fill out the form

View Data

- Login

- View Aggregated data

- View form data

Lower level views:

- Login

 - Submit

 - Cancel

- Form

 - Submit

 - Cancel

User Profiles:

Potential User #1

The tour guides using this app fall into two different demographics. There are local tour guides who will mostly speak Spanish and may have less experience using a smart phone. However, they will be the most likely to be the most invested into the information the app is meant to gather. The second kind of tour guide will be from an agency and will be bilingual. They will have a smart phone and the know-how to properly operate the app and explain its importance to the tourists.

Potential User #2

Tourists at the volcano will have a wide range of age and ethnicity. They can be local tourists who visit the mountain often, or foreigners that are visiting from North America and Europe. Ages will range from high school students to retirees as will their own comfort with technology.

As for the interest in using the app, these users can also range from being novice volcanologists to being indifferent to the situation surrounding the volcano.

Task Analysis

The purpose of this application is to collect data on the Pacaya volcano in order to assess risk for eruption and monitor activity. With app, the users will be able to take pictures of different significant events at the volcano such as fumaroles and lava flows. They will then input any other data that they can assess from the situation such as plume height along with their photo. All information will then be filtered and sent too the scientists to study an assess the condition of the volcano.

Database:

Users:

- Username – Unique Username specific to each user
- Password – 30 character hashed password used to sign on
- UserID – Integer used to determine type of user (admin,general user...)

Plume: Smoke like, descriptive:

- color – choose whether it's blue,white,red,gray,or no color
- height – integer height of the smoke
- direction - direction of the smoke
- explosions - yes or no
- visible - yes or no or none
- photo - File upload
- notes - specific notes of where observation is taken (Summit, Cerro Chino, Mirador, other)

Lava Flow: Not Always Flowing

- position – position of the end of the flow
- height – height in meters
- width – width of flow
- photo – file upload