

Study Together: Fall Demo

Citrix are for Kids!

28 November 2016

Introduction

- Company Mentor: Citrix
- Team Name: Citrix are for Kids!
- Members
 - O'shea Anaya
 - Shadee Barzin
 - Andrew Ferguson
 - Brendan Murphy
 - Peter Werner

Problem Statement

- Students spend a lot of time collaborating with peers, teachers, and TAs
 - Group projects, study groups, and review sessions
- Finding a group to study with is difficult, especially if you don't know people in the class
- Physically meeting can be a hassle
 - Finding a space large enough for the group
 - Non-traditional students: parents, working students, etc. find it hard to meet with others
- Aim to make studying with your peers significantly easier

Solution Design

- Platform for groups to collaborate with one another remotely
 - Video chat
 - Text chat
 - Collaborative document editing
- Video chat allows for face-to-face interactions
- Google Drive integration for real-time collaboration using Docs, Slides, Sheets
 - File list specific to session
- Persistent text chat in between sessions
 - Sharing links, sending messages to other users, coordinating study time

Future Features

- Class pages as a hub for classmates to connect with each other
 - Students create public study groups connected to a specific class or subject
 - Other students looking for people to study with, can join a pre existing session
- Class pages also provide a forum for filesharing
 - Students upload Google Drive files for classmates to view
 - Can share lecture notes, study sheets, etc.
- Built-in smarts to provide most useful/helpful files

Technologies Employed

- NodeJS
 - Server backend
- ReactJS
 - Client app
- PeerJS & WebRTC
 - Peer-to-peer video
- Firebase
 - Firechat text chat
 - Database and signaling
- HTML/CSS3
 - Bootstrap
 - UI and styling

Prototype Demo

Home

Welcome to Study Together

LOG IN

Prototype Demo

Home

Sign in - Google Accounts

https://accounts.google.com/ServiceLogin?passive=1209600&conti...

Google

One account. All of Google.

shadeebarzin

Next

[Find my account](#)

[Create account](#)

One Google Account for everything Google

[G](#) [M](#) [D](#) [Y](#) [L](#) [P](#) [G](#)

[About Google](#) [Privacy](#) [Terms](#) [Help](#)

Prototype Demo

Dashboard

Chat 

[create session](#)

[a session](#)

[a course](#)

Prototype Demo

The screenshot displays a video conference interface. On the left, three participants are visible in a vertical stack: a woman with long dark hair, a man with a beard and a patterned background, and another man with dark hair. The main area on the right shows a presentation slide titled "Study Together: Fall Demo" with the subtitle "Citrix are for Kids!" and the date "28 November 2016". The presentation software interface includes a top menu bar with options like File, Edit, View, Insert, Slide, Format, Arrange, Tools, Table, Help, and a toolbar with icons for navigation and editing. A sidebar on the left lists eight slides, with the first slide titled "Study Together: Fall Demo" selected. The bottom of the interface has a "Click to add notes" button and a small icon in the bottom right corner.

Capstone Fall Demo

Chat Files

shadeebazrin@gmail.com

Fall Demo

File Edit View Insert Slide Format Arrange Tools Table Help

Background... Layout... Theme... Transition...

1 Study Together: Fall Demo

2 Introduction

3 Problem Statement

4 Solution Design

5 Design Principles

6 Technologies Evaluated

7 Prototype Demo

8 Thank You

Study Together: Fall Demo

Citrix are for Kids!

28 November 2016

Click to add notes

Prototype Demo

The screenshot shows a video conference interface. On the left, three participants are visible in a vertical stack. The top participant is a woman with long dark hair. The middle participant is a man with a beard, identified by a name tag as "Brendan Murphy", resting his chin on his hand. The bottom participant is a man with dark hair. On the right, a presentation slide is displayed. The slide has a dark background with the title "Study Together: Fall Demo" in white. Below the title, it says "Citrix are for Kids!" and "28 November 2016". The presentation software interface includes a menu bar at the top with options like File, Edit, View, Insert, Slide, Format, Arrange, Tools, Table, and Help. A toolbar below the menu contains various icons for editing and presentation control. A sidebar on the left of the slide shows a list of slide thumbnails numbered 1 through 8. The bottom of the interface has a text area that says "Click to add notes" and a small icon in the bottom right corner.

Capstone Fall Demo

Chat Files

shadeebbarzin@gmail.com

Fall Demo

File Edit View Insert Slide Format Arrange Tools Table Help

Present Comments Share

Background... Layout... Theme... Transition...

1 Study Together: Fall Demo

2 Introduction

3 Problem Statement

4 Solution Design

5 Major Features

6 Implementation Details

7 Prototype Demo

8 Thank You

Study Together: Fall Demo

Citrix are for Kids!

28 November 2016

Click to add notes

Prototype Demo

The screenshot shows a Beamer presentation titled "Study Together: Fall Demo" being viewed in a web browser. The presentation has a dark blue theme and includes a table of contents on the left with 8 slides. The main content area displays the title slide, which reads "Study Together: Fall Demo" and "Citrix are for Kids! 28 November 2016". A chat window on the right lists participants: Shadee Barzin, O'shea Anaya, Peter Werner, and Brendan Murphy, with their respective messages. A text input field at the bottom of the chat contains "hi everyone" and a "Send Chat!" button. The presentation interface includes a top navigation bar with "File", "Edit", "View", "Insert", "Slide", "Format", "Arrange", "Tools", "Table", "Help", and "Last edit...". The bottom of the presentation area has a "Click to add notes" prompt.

Capstone Fall Demo

Study Together: Fall Demo

File Edit View Insert Slide Format Arrange Tools Table Help Last edit... Present Comments Share

Background... Layout... Theme... Transition...

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2 Introduction

3 Problem Statement

4 Solution Design

5 Known Patterns

6 Technology Platform

7 Prototype Demo

8 Thank You

Study Together: Fall Demo

Citrix are for Kids!
28 November 2016

Click to add notes

Shadee Barzin
hello

O'shea Anaya
No

O'shea Anaya
JK Hi

Peter Werner
hi

Brendan Murphy
yay

hi everyone Send Chat!

Prototype Demo

The screenshot shows a Beamer presentation titled "Study Together: Fall Demo" running in a web browser. The presentation has 8 slides. The main slide content is on a dark background with the title "Study Together: Fall Demo" and the subtitle "Citrix are for Kids! 28 November 2016". A sidebar on the left lists the slides: 1. Study Together: Fall Demo, 2. Introduction, 3. Program Statement, 4. Student Design, 5. Future Features, 6. Networking Diagram, 7. Analysis Table, and 8. Thank You. A chat window on the right shows messages from Shadee Barzin, O'shea Anaya, Peter Werner, and Brendan Murphy. The chat messages are: Shadee Barzin: hello, O'shea Anaya: No, O'shea Anaya: JK Hi, Peter Werner: hi, Brendan Murphy: yay, Shadee Barzin: hi everyone. The chat input field at the bottom right says "Type here" and "Send Chat!". The presentation interface includes a menu bar with File, Edit, View, Insert, Slide, Format, Arrange, Tools, Table, Help, and a toolbar with icons for navigation and editing. The browser address bar shows "shadeebarzin@gmail.com".

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shadeebarzin@gmail.com

Fall Demo

File Edit View Insert Slide Format Arrange Tools Table Help Last edit ... Present Comments Share

Background... Layout... Theme... Transition...

1 Study Together: Fall Demo

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Study Together: Fall Demo

Citrix are for Kids!
28 November 2016

Click to add notes

Shadee Barzin
hello

O'shea Anaya
No

O'shea Anaya
JK Hi

Peter Werner
hi

Brendan Murphy
yay

Shadee Barzin
hi everyone

Type here Send Chat!

Prototype Demo

Capstone Fall Demo

Chat Files

shadeebarzin@gmail.com

Present Comments Arrange Tools

Study Together: Fall Demo

1

2

3

4

5

6

7

8

Thank You

Study Together: Fall Demo

Only view for 10:01
10 November 2016

Click to add notes

Type here Send Chat!

Shadee Barzin
hello

O'shea Anaya
No

O'shea Anaya
JK Hi

Peter Werner
hi

Brendan Murphy
yay

Shadee Barzin
hi everyone

Thank You
