

Trestle



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Today's Agenda

Overview

Our Process

Our Design

Reflection

Overview: Online Course Delivery

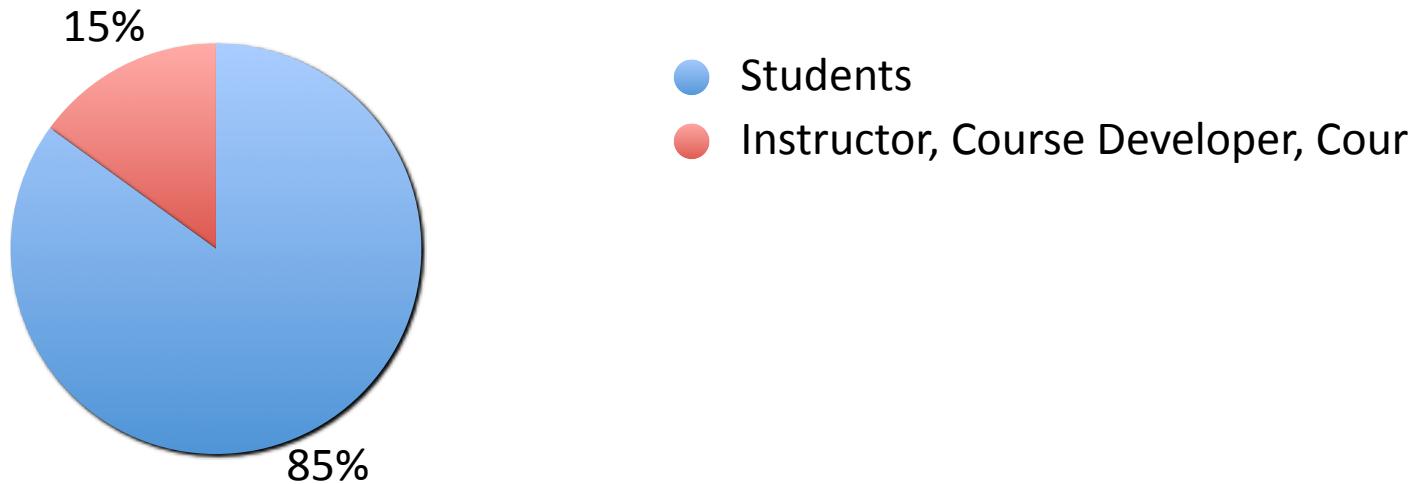
10 CMU-developed
computer science courses

online distribution
to affiliate schools worldwide

local instructors

Our Focus: Student Experience and Productivity

Percentage of Trestle Users



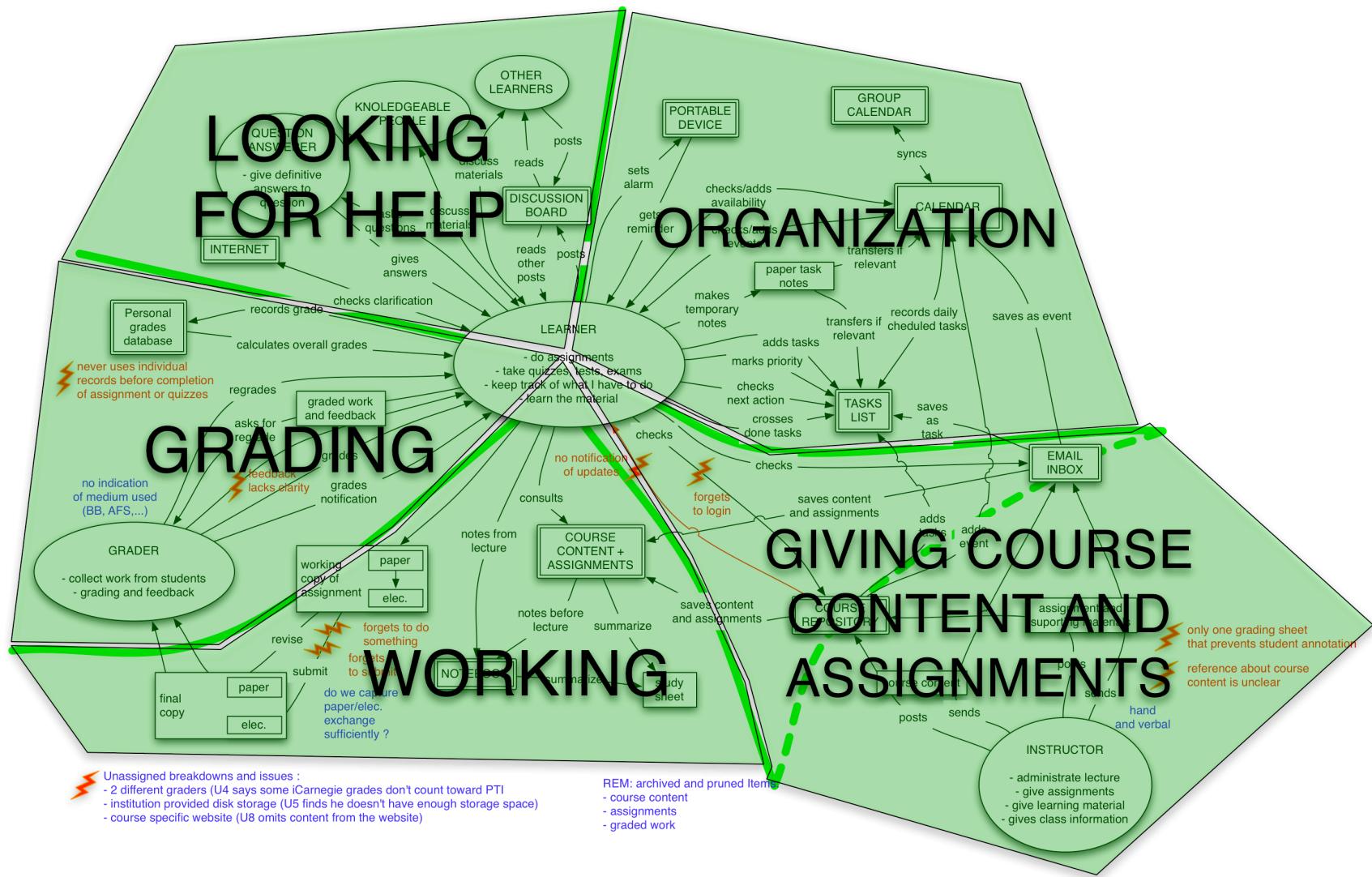
Data Collection: 10 CIs!!

1 MIT OpenCourseWare user

4 Trestle users at Pittsburgh
Technical Institute (PTI)

5 CMU students

Being a Student



Key insights

organization tied into work process

students loved versatility of paper

- writing in margins
- working during rehearsal

iCarnegie

Overview

Read

Assignments

Discuss

Grades

Settings

Due Monday October 23 (2 days)

HW3 Heuristic Evaluation \oplus

Read 3.1 - 3.4 \otimes

Do UARs by Fri \otimes

Revise & submit by Sat \otimes

Upcoming Exams

Wednesday October 25 (8 days)

Midterm 2 \oplus

iCarnegie

Overview Read Assignments Discuss Grades Settings

Due Monday October 23 (6 days)

HW3 Heuristic Evaluation

Read 3.1 - 3.4

Do UARs by Fri

Submitted Files
You have not yet submitted any files.

Attached Documents
UAR Template.doc

HW3 Heuristic Evaluation
Due Monday October 23 1:30pm

You will be doing Heuristic Evaluation on a piece of software of your choice. Please read Sections 3.1 - 3.4.4 in the online course material. Then use the UAR Template provided to create 10 UARs about good and bad aspects of your software. Finally, submit a .DOC file containing all 10 of your UARs. You have until Monday October 23 at 1:30pm to submit this assignment.

Evaluation Methods

Method	Applied To	Impact
Heuristic Evaluation	Existing Trestle system	Good way of understanding how the system works.
Keystroke-Level Modeling	Paper Prototype	Suggested 15% improvement in task addition.
Cognitive Walkthrough	Paper Prototype	Identified confusion with use of tabs.
Think Aloud	Interactive Prototype (via CogTool)	Identified confusion with task addition.

Class A

Class B



Class C

Class D

Search

go

News

[HW2 grades](#) posted
(Class B)

New [Announcement](#)
(Class C)

[HW6](#) Assigned
(Class B)

Today (Oct 12)

[HW3](#) Due (Class B)

Friday Oct 14

Exam 2 (Class C)

Monday Oct 17

Read [3.1-3.4](#) (Class A)

[Project 2](#) Due (Class D)

Monday Nov 24

[HW6](#) Due (Class B)

To Do

finish proj 2

Add

• review notes ✓ ✗ •

• do HW3 ✓ ✗ •

• study for exam ✓ ✗ •

Class A

Class B

Trestle

Main

Class C

Class D

Course
Info

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go

Upcoming

11/24 - Model View
Controller

11/26 Exam 2

12/1 Work session

12/3 Binary Trees

Announcements

"Please bring your textbook with you
to the exam on Friday." -- Prof. K.

Close

Current Assignments

- Read [3.1-3.4](#) due 11/24

- NEW! [HW5](#) due 11/30

Grades

- [HW4 grades](#) posted

To Do

bring textbook

Add

- review notes ✓ ✘ •
- do HW3 ✓ ✘ •
- study for exam ✓ ✘ •
- finish proj 2 ✓ ✘ •

Class A

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v Chapter 3

- > 3.1
- > 3.2
- > 3.3

v 3.4

- 3.4.1
- 3.4.2

- > Chapter 4
- > Chapter 5

highlight

comment

bookmark

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Looking Back: Research Phase

Week Ending	
September 8	Focus Setting
September 15	CIs and modeling at Pittsburgh Technical Institute (PTI)
September 22	
September 29	
October 6	PTI is a bad fit. What now?
October 13	Finding more users.
October 20	5 CIs (plus models!) at CMU
October 27	Consolidation

Looking Back: Design Phase

Week Ending	
November 3	Brainstorming. 5 different sketches.
November 10	Couldn't agree. 2 sub-teams. 2 prototypes.
November 17	Chose Karl as our design lead. 1 design
November 24	Iterating

Lessons

Involving the client early is essential

Defining roles made us
more productive

Making a schedule
helped us prioritize

Questions?

