ResearchWeb
Final Presentation

IPRO 321
December 4, 2009

Presenters:
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Adam Eberlin
Bethany Nicholson

Zach Cornelius
Max de Courten-Myers
Tom Corsus
James Kapaldo
Yuriy Sizyuk
Stephen Sundberg
Professor Robert Ellis
Exposes students to research process
Gives students a valuable experience
Brings together the IIT Community
Problems

- Lack of understanding of research process
- Lack of promotion of research opportunities
- No place for student-initiated research
- No central, online place for undergraduates to display research
Prior Work

- Undergraduate (UG) research project
- Software specifications
- Rapidly developed prototype
Goals

• Improve and expand UG research at IIT
• Create a website that aids the research process
• Design all site interfaces and features
• Hold internal testing (alpha)
• Hold open testing (beta)
• Launch advertising campaign
Team Organization

Anandha Abhay
Team Lead

Zachary Cornelius
Code Lead

Maximilian de Courten-Myers

Adam Eberlin

Stephen Sundberg

Programmers

Bethany Nicholson
R&M Lead

Robert Ellis
Faculty Advisor

Tom Corsus

James Kapaldo

Yuriy Sizyuk

Research & Marketing
Team Planning

ResearchWeb Tasks

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Hindrances to UG Research
- Student's Lack of Experience
- Time Commitment
- Knowledge of Opportunities
- Availability of Resources

Preferred Methods of Communication
- Face-to-Face Meetings
- Email
- Phone
- Instant Messaging/Texting

Are Privacy Settings Required?
- Yes
- No
- Should be Customizable
- Wouldn't Post Sensitive Data

Enticements to Use ResearchWeb
- Common Storage
- Streamlined Communication
- Research Community
- Simple Interface
- Opportunity Listings
- Place to Learn about Research

Current Resources
Software

Ruby

Ruby on Rails

REDMINE

CISCO

Ubuntu

NGINX
<table>
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<tr>
<th>Feature</th>
<th>Original Server</th>
<th>Temporary Server</th>
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<td>Guaranteed Up-time (5 9's)</td>
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* Students have limited access
Website Design: Front-End

- User-centered design
- Bulletin board style
Requirement Specification

My first Project: Project
- announcements
- Collaborators
- Forum
- linkToUserLabBook
- taskTrack
- calendar

Announcements
- latest_annos = My project is up!

Collaborator no. 1
- name = John Smith
- birthDate = 1988
- major = Computer Science
- email = johnS@ill.edu
- college = IIT
- prior = Worked on a search engine
- rear = Softmore
- interests = Programming
- skills = C/S, Java

Collaborator no. 2
- name = Bill Doe
- birthDate = 1989
- major = Computer Science
- college = IIT
- prior = Worked on a search engine
- rear = Softmore
- interests = Programming
- skills = Web design

Response post no. 1: Response
- topic = My first topic!
- body = I comment on your first topic!

Post no. 1: Post
- topic = My first topic!
- body = Some one should comment on my first post!
- responses =

Task Tracking
- name = value

User 18's LabBook: LabBook
- id = 18
- post =
- files =

Server

Calendar
- todayDate = Nov 30
- todayEvent = Reminder that today has an event!
Ethical Issues

- GNU general public license version 2
- Privacy protection
- Content ownership and rights
- Copyright
- Non-disclosure agreement
Site Features
Projects & Lab Book

- Central place for data storage
- Private discussion space for collaborators
Social Networking

• Online research community
Bare Necessities

• Search

• Research Resources
Future of ResearchWeb

- Additional tools and features
  Forums, opportunity listings, communication tools

- Sandbox environment

- Flash based voip

- Integration of external systems

- Public release of ResearchWeb
We would like to thank

– Prof. Robert Ellis, our advisor
– Prof. Eric Brey, Assistant Dean Office of Undergraduate Research
– Prof. Karl Stolley, Co-director of the Usability Testing and Evaluation Center
– Nickolay Schwarz, software developer at Centro
– Sourixat Thavisouk, Executive Producer and CEO of A List TV
– Jeffery Lee, Marketing consultant of BET
– Mark Cooney, current server administrator
Questions?