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ResearchWeb Final Presentation

IPRO 321 December 4, 2009

Presenters: Matt Abhay Adam Eberlin Bethany Nicholson Zach Cornelius Max de Courten-Myers Tom Corsus James Kapaldo Yuriy Sizyuk Stephen Sundberg Professor Robert Ellis

Undergraduate Research

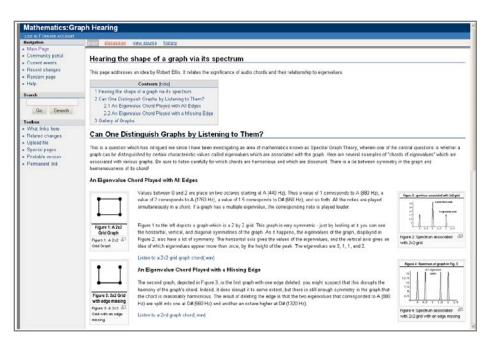
- Exposes students to research process
- Gives students a valuable experience
- Brings together the IIT Community

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

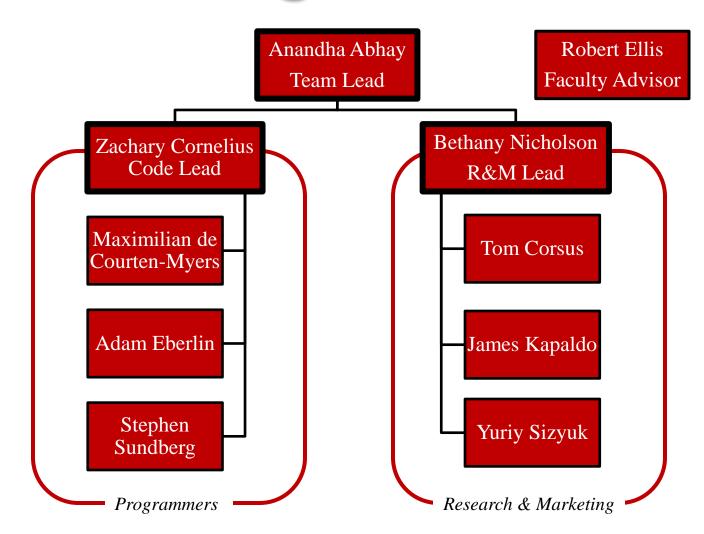
- Undergraduate (UG) research project
- Software specifications
- Rapidly developed prototype



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

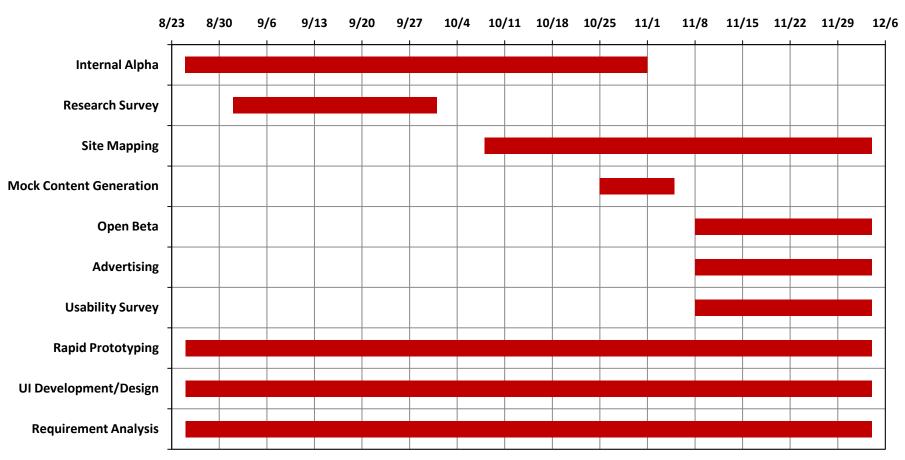
Team Organization



Team Planning

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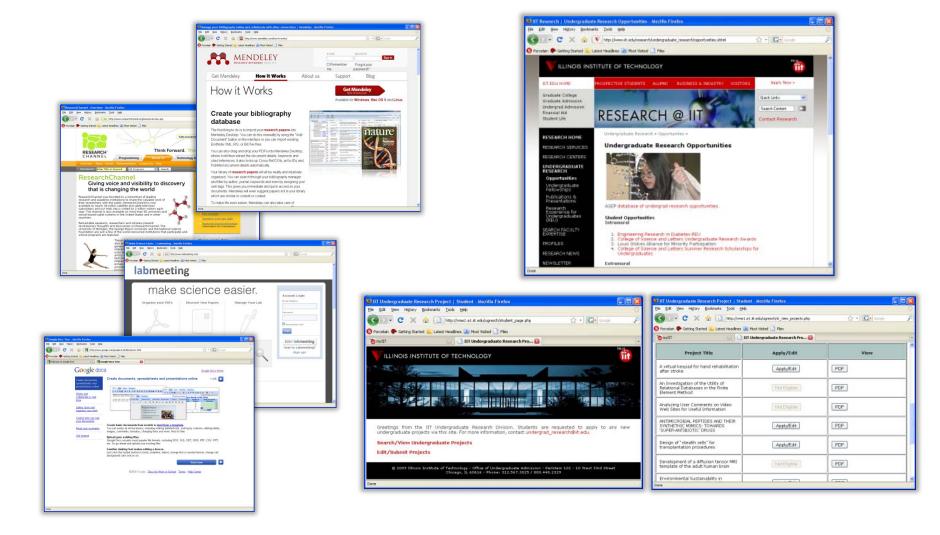
ResearchWeb Tasks



User Survey

Preferred Methods of Communication Hindrances to UG Research Student's Lack of Experience Face-to-Face Meetings Time Commitment Fmail Knowledge of Opportunities Phone Availibility of Resources ■ Instant Messaging/Texting 28 14 12 22 11 9 8 4 Are Privacy Settings Required? **Enticements to Use ResearchWeb** Yes Common Storage No Streamlined Communication Should be Customizable Research Community ■ Wouldn't Post Sensitive Data Simple Interface Opportunity Listings 18 Place to Learn about Research 9 8 8 7 7 7 5 4

Current Resources









Ruby



Ruby on Rails









Ubuntu

Server

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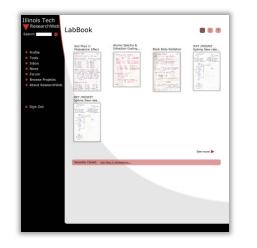
Feature	Original Server	Temporary Server	Current Server	Virtual Private Server
Monthly Cost	Free	Free	Free	\$40.00
Student Administrative Access	\checkmark	\checkmark	*	
Secure Location				\checkmark
Reliable Network Connection				\checkmark
Professional Maintenance				\checkmark
Guaranteed Up-time (5 9's)				\checkmark

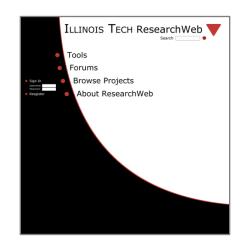
***** Students have limited access

Website Design: Front-End

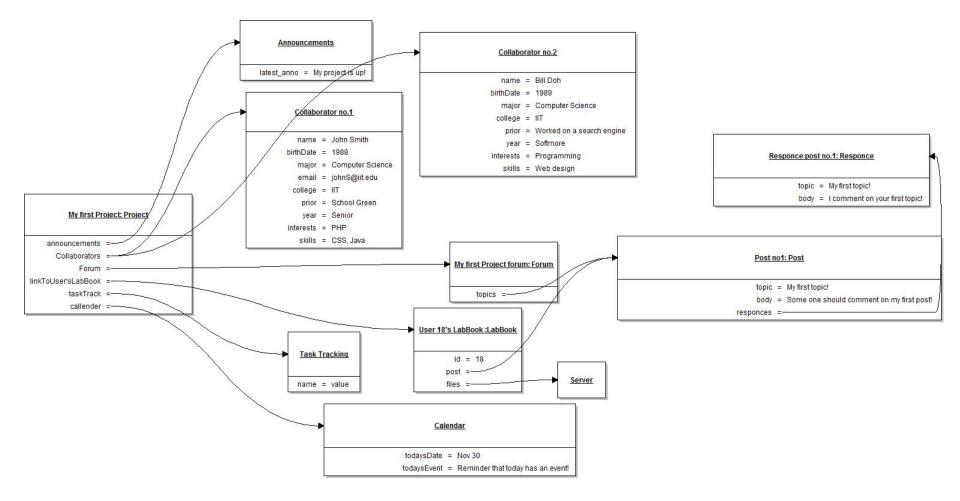
- User-centered design
- Bulletin board style







Requirement Specification



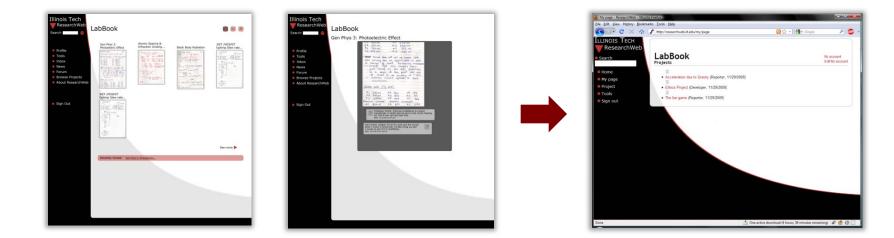
Ethical Issues

- GNU general public license version 2
- Privacy protection
- Content ownership and rights
- Copyright
- Non-disclosure agreement



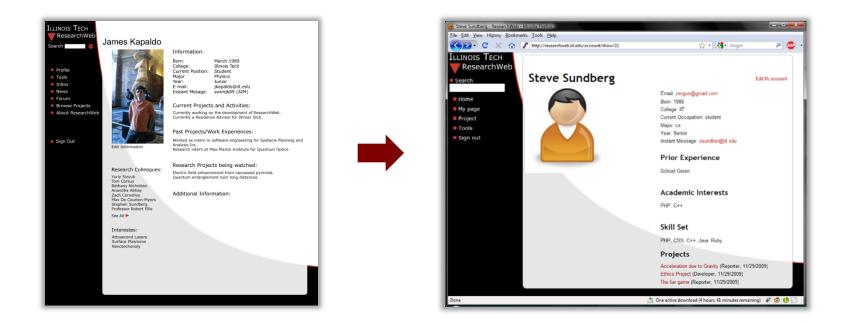
Projects & Lab Book

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



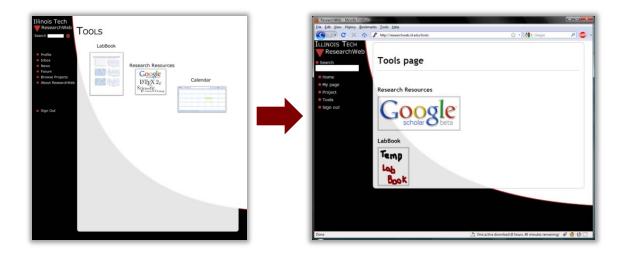
Social Networking

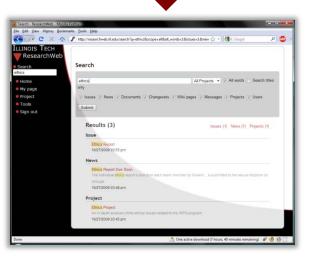
Online research community



Bare Necessities

- Search
- Research Resources





Search James Sizyuk Atoscnd Physics

Name: James Kapakio Hajor: Physics

> Yuniy Sizyuk Physics

Name: Tom Corsus Halor: Philosohov

Research Projects

Additional Results

Send Hessage Collaborate With

Send Message Collaborate With

Send Hessage Collaborate With

People

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



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- Jeffery Lee, Marketing consultant of BET
- Mark Cooney, current server administrator



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