RadGrad Usability

Samson Chun, Kenny Luong, Michele Shimoda

Outline

1. Summary of test plan

2. Summary of students who participated

3. How your data was collected and analyzed

4. Your findings - what was learned. What is good about your design.

Test Plan

Business case:

- We are unable to accurately critique and provide feedback due to bias
- Need external feedback to improve design and find issues

Overview:
1. Sit users down, explain procedures
3. Commence test (use screencasting software)
4. Record data from screencast
5. Analyze and summarize data

Objectives

1. Is the system intuitive?
2. How can we make it more informative and intuitive for the user?
3. What kind of design changes need to be made?
4. What kind of logic changes need to be made?
5. What did we do well?
6. What did we do not so well?

Student Participants

Total of 3 participants

1. **EE** - Senior
2. **CENG** - Sophomore
3. **ICS** - Graduate Student

Data Collection and Analysis

- **Temporal** - how long did users spend on pages?

- **Questions** - what questions did they ask?

- **Information/Satisfaction** - where they satisfied?

- **Workflow** - what pages did they go to?

Data

Person	Major	Standing	Session Total (s)	# Stuck	# Questions	Initial Time (s)	Time Landing (s)	Time User (s)	Time Degree (s)	Page Total	Time Total	Avg Page Time	Landing Percentage	User Percentage	Degree Percentage
Kenny #1	EE	Senior	820	3	1	0	315	200	260	775	820	258.3333333	40.65%	25.81%	33.55%
Sam #1	ICS	Grad	1250	4	7	0	410	250	590	1250	1250	416.6666667	32.80%	20.00%	47.20%
Michele #1	CENG	Sophomore	723	1	1	10	203	169	341	713	785	237.6666667	28.47%	23.70%	47.83%

Temporal Findings

- **Most time spent:** Degree Planner

- **Least time spent:** User Home Page

- **Avg Total** Time: ~15 min

- **Avg Page** Time: ~5 min

Person	Landing Percentage	User Percentage	Degree Percentage
Kenny #1	40.65%	25.81%	33.55%
Sam #1	32.80%	20.00%	47.20%
Michele #1	28.47%	23.70%	47.83%
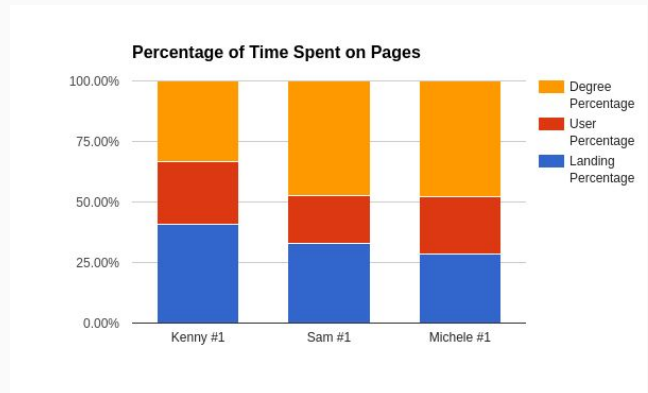
Questions

1. How do I open up the feed?
2. [on user login page] Is this page for the user only to see? Is there a public view?
3. [on degree page] Could you explain the little circles?

Navigation Flow

- Landing -> Login -> Degree Planner

- User was excited to go to the degree planner page

- Otherwise, navigation flow was mostly dictated by the test plan

Information and Satisfaction

- Comments
  - Landing page had a lot of information
  - User page had big headings that made it easy to figure out
  - Symbols on degree planning page
  - Carousel on landing should be modified, users likely won't spend time waiting/clicking through

Findings

1. Didn't spend too much time on the user homepage
2. Struggled with the complexity of the degree planner page
3. Struggled with the content on the landing page
4. System (overall) was intuitive
5. Various elements should be modified to be more user friendly

Plan Your Courses

Don't know what classes to take? Not sure how much you can handle in a semester? Need more information about a class? Let RadGrad help.

Popular Topics

Place #	Interest Area	Trend (From Last Year)
1	Microelectronics	+200%
2	Machine Learning	+100%

Our Community

Courses

FILTER | **Courses** | 🔍

⚡ EE 211 ⚠️ C

💻 ICS 241 🔶⚠️ C ➕

Title: Discrete Mathematics for Computer Science II
Description: Program correctness, recurrence relations and their solutions, divide and conquer relations, relations and their properties, graph theory, trees and their applications, Boolean algebra, introduction to formal languages and automata theory. Pre: 141 or consent.
Credits: 3
Required: Yes
Warnings: No
Recommendations:

Opportunities

FILTER | **Opportunities** | 🔍

👥 ACM Manoa 🔶

🔗 AT&T Hackathon 🔵🔶

📅 LiveAction 🔶

B.S. in Information and Computer Sciences

FA 2015	SP 2016	SU 2016
ICS 461	ICS 469 🚫	OTH 2XX 🚫
ICS 464	ICS 414 🚫	OTH 2XX 🚫
OTH 1xx	OTH 2XX 🚫	
OTH 1xx	OTH 2XX 🚫	
OTH 3xx	OTH 2XX 🚫	
OTH 3xx	Event 🚫	
	Event 🚫	
Job 20 ✏️	Job 20 ✏️	Job 20 ✏️
0 18 0	35 18 35	0 0 0

---

41 Innovation
68% completed
top 25 percentile.

49 Competency
82% completed
top 15 percentile.

5O

Hints
★ You're on track to max out your Experience! Try joining a hackathon.
⚠️ You haven't upped your compentency in a while - try to do well in your classes.

Previous ICE Changes
Fall 2016	Participated in ACM Hackathon	5 Innovation
Fall 2016	Great Semester!	16 Competency

Legend
Icon	Title	Description
🔶	Required	Indicates that item is required for graduation.
💜	Interests	Indicates that item matches one or more of your indicated interest areas.