

Who: Ameya Bahirat, David Bostany, Elias Bezanis, Kevin Macias

Title: Ralphie's Junk

Description: Ralphie's Junk will be an intuitive and safe website where users that go to CU or are affiliated with CU can log on to trade, buy, and sell. The goal is to have an attractive UI that makes selling, buying and trading easy for the user at every point in their transaction.

Vision Statement: A lightweight website where students and school affiliates can network to buy, sell, and exchange goods

Motivation:

- Allows college students to be able to trade/purchase what they want all on the safety and convenience of their school campus
- "Safe, Easy, Reliable"
- Many people post what they want to sell on their CU Facebook "class of" page, this restricts them to a small user base. And inconveniences them when they have to post on multiple "class of" pages. This website would consolidate all of that.

Risks:

- Handling user information securely
- Creating an initial user base could be difficult
- Potential lack of resources, might need a server to test large user load
- Acquiring domain rights/name
- Lack of time
- Learning new languages: Java-script, HTML, SQL
- Trading of drugs or alcohol to minors
- Scams
- Encryption and User Security (Obtaining certificates)
- Possible trouble with email verification and @colorado.edu

Mitigation:

- Allow extra time to learn new languages
- Explore possibilities for encryption
- Develop incentives to create an account and trade
- Network with people to spread
- Start early
- Flag function to avoid selling drugs and alcohol
- A way to moderate posts
- Develop good security encryption

VCS:

- Github
- <https://github.com/PorkoRosso/DevTeam.git>

Project Tracking Software:

- Asana
- <https://asana.com/>

Requirements:

User Requirements:

ID	Description	Agile Sizing	Priority
US-1	pic uploads for profiles	3	high
US-2	paypal	5	med/high
US-3	admin accounts/error reports	13	high
US-4	user rating	3	med
US-5	messaging system	5	high
US-6	search/sort function	8	high
US-7	categories	3	medium
US-8	login with edu email	5	medium
US-9	flag function	8	medium
US-10	mobile functionality	20	medium
US-11	view past transactions	5	low
US-12	user inventory	5	med/high
US-13	meet-up feature with map	8	low
US-14	security	13	high

Functional Requirements:

F-1	Search efficiency	8	medium
F-2	user database	8	high
F-3	security encryption	13	med/high
F-4	post database	8	high
F-5	statistic functions	5	low/medium
F-6	red flag feature	5	medium
F-7	sorting algorithms(price,product...	5	medium








Non-Functional Requirements:

NF-1	easy user interface	5	medium
NF-2	easy browsing	5	low
NF-3	styled interface	8	medium
NF-4	web server	8	high

Market Analysis:

- Target Market:
 - Just over 30,000 staff and students at CU Boulder
 - Enrollment at CU has remained stagnant over the last 5 years, there is no reason to assume the market size will increase or decrease
 - Most students don't have a lot of money, but want to try new activities
- Profile of Competitors:
 - Craigslist:
 - Offers trading services to everyone in Boulder
 - Jim Buckmaster has been CEO since the year 2000
 - Craigslist was incorporated as a for-profit in 1999
 - Craigslist makes money through job/apartment postings in a few Major US cities
 - Advantages: Very popular, free in Boulder area, access to everyone
 - Disadvantages: Ugly site, scams, and sometimes unsafe
 - Boulder Newspapers:
 - Can take out classified ads
 - Advantages: Large customer base, don't need computer/internet
 - Disadvantages: Costly to post ads, declining number of newspaper readers
 - Competitive Advantage:
 - Great design, easy to use on the computer as well as mobile devices
 - Much safer because accounts require CU id
 - Convenient because everyone is living in the same area

Project Plan:

				View  Incomplete Tasks 	New 
1	Create SQL Database/Server			Oct 16	
2	Set up a way to test code on Database			Oct 16	
3	Connect webpage too Database			Oct 30	
4	Improve Webpage Increase Functionality			Nov 20	
5	Implement Requirements			Nov 20 	
6	Test Functions through webpage			Dec 5	

Part1: create pdf of project proposal
Part1: market analysis for E.C.
Part2: Stand-up meeting
Part2: Demo
Part3: Testing
Part4: Individual Interviews
Part5: Presentation
Part6: Final Submission
Part6: peer review
Development: SQL database
Development: HTML, Jscript front-end