

Agenda



- Introduction
- CreditSafe & Usability Testing
- New Project Overview
- Basis for Learning
- Game Walkthrough Phase I
- Proposed Phase II
- Closing



Purpose

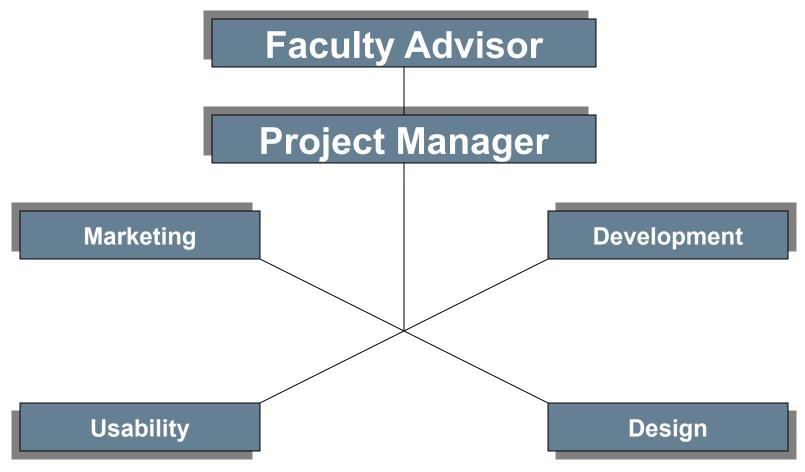


- Educate using entertainment
 - Computer gaming experience
- Engaging experience fun to play
 - Students learn without realizing it
 - Prof. James Gee, Wisconsin: Age of Mythology inspires reading about mythology
- Build-off of last semester's success
 - Develop new product



Communication







IPRO 329: Edutainment

CreditSafe



- Developed for Illinois Secretary of State
 - Part of the KidsInvest SOS Website

- Teaches credit card management skills and prudent credit card use for teenagers and young adults.
- Real-world application



IPRO 329: Edutainment

CreditSafe



- Game play
 - Profile
 - Name
 - Income / Jobs
 - Project
 - Shopping at various stores
 - Bank
 - Transfer balances, pay bills

Demo available at poster session



Usability Team



- Develop a procedure to test CreditSafe
 - Documentation to present to Jones Prep
 - Testing in school
- Develop usability tests for CollegePursuit



Usability Team



- Test to see if students learned from CreditSafe
 - Pre-test, game itself, post test
 - Statistical analysis
- Jones College Prep H.S.
 - Tested approximately 200 students
 - Worked with teachers and used Jones computer labs during the school day



What We Learned



Opportunities

- Stress testing for large scale deployment
- Learn how to conduct test, and analyze results

Successes

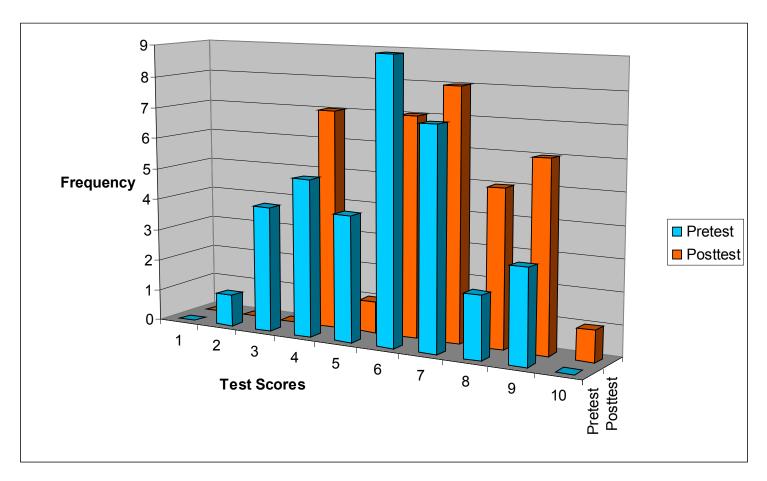
Kids loved the competitive nature of the game



IPRO 329: Edutainment

What We Learned







Marketing Team



- Build on Prior Successes
 - CreditSafe estimated value of \$280,000
 - Edutainment is an up-and-coming phenomenon
 - "Games can be considered one of the finest champions of the new learning paradigm"

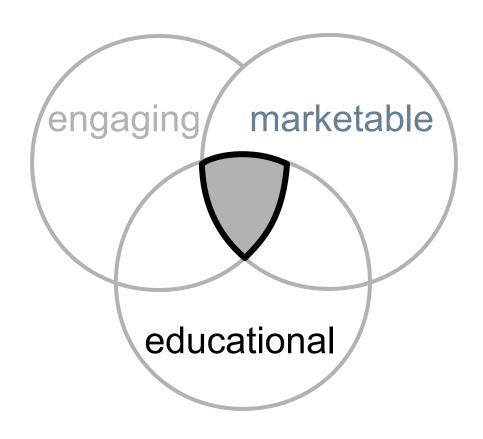
Thoughts on learning in games and designing education computer games by Simon Egenfeldt-Nielsen

- Where do people need education?
- Financial Sector
 - Bank accounts, TVM, investments, financial aid



Game Design Objectives







Marketing Team



- Parsing multitude of financial aid information
 - Handbooks, pamphlets, guides

Help to figure out scoring for the game

Develop documentation for the game



CollegePursuit



 Teaches a student (17-21) the process for obtaining financial aid

 Encompass pre-college as well as during college experience

Phase I: Finding enough money to go to college



CollegePursuit v. CreditSafe



CreditSafe

- Secretary of State mandated
- IBM Websphere (JAVA)
- Played through the Internet
- Database driven
- Static 2-Dimensional environment

CollegePursuit

- Individually packaged
- 3-Dimensional interaction
 - Determined to be more engaging
 - Enables user to become more immersed in game
- Database driven
- Cross-platform capability



Development Team



- Learn Macromedia Director
 - How programming language works
 - Cryptography to protect user information
 - Database interaction
 - Developing 3-D models & worlds



Design Team



- Determine look & feel for game
 - Graphical User Interface
 - Close relationship with Usability Team
 - Consulted usability tests ran

- Determine flow of game
 - Which steps to put where
 - User Interaction



CollegePursuit: Walkthrough





Development Team



- Development and purpose of databases
 - Layout/Development (~20 hours)
 - Dynamic vs. static
 - Profile information
 - Financial aid information
 - Portability/Upgradeability
- Game play process
 - User's progress tracked throughout game
- 3D environment
 - Used as engaging aspect to the player
 - Creating the neighborhood itself (~80 hours)



IPRO 329: Edutainment

CollegePursuit





Selected Profile, Selected College Cost, Financial Aid Acquired during 1st phase

2nd Phase: College Freshman

Setting: College campus

Goal: Get thru year with max points



Administration Building

- work at the office
- visit fin-aid office
 - read handbook
 - get fin-aid tips
 - make sure documents are OK
 - fill out forms
 - apply for more aid
 - check overall status
- visit career center (?)
 - find a job on campus



Classes Building

- work at the lab
- go to class
- study



Recreation Center Building

- rest
- party



Residence Halls Building

- rest
- party



Career Center Building

find a job on campus



Campus Store Building

- work
- buy supplies



Local Bank Building/Site

- manage accounts
- pay credit cards
- pay loans(If any)

Random Events

for 2nd Phase

- family financial difficulties
- government requests documents
- identify fraud
- financial gifts
- scholarship offers/awards in the mail (good & scam)
- · gifts from family
- PROJECTS...



Conclusion



 Market and find a buyer to fund IPRO for future semesters

Hire Professional Designers

Tailor product to buyer's need

 Possible buyers include US Government, banks, financial aid offices



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