

# A Prototype iPhone App for Student Success

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# Introduction

#### **Adult Learning Context**

- The design team created a prototype iPhone Student Success app in response to the 50% retention rate for first year community college students (University of Texas, Survey of Entering Student Engagement, 2012).
- The design consolidates existing online electronic resources such as student success Websites and first year videos into a downloadable app that can be made available through the iTunes store. The technology is also available to users of Android devices though different coding is needed.
- The adult learning context in community colleges: mobility, communication, digital networks, virtual communities, transcendent. Learners are constantly on the move; learners transcend space and time; learners move from topic to topic; learners move in and out of engagement with technology (Wilson & Blackstock, 2012)
- Studies by PEW Research Center identify high levels of technology use by community college students and offer strong support for the use of an app as a scaffold to meet community college student success and retention goals.

### **Background Statistics**

# College students and their gadgets

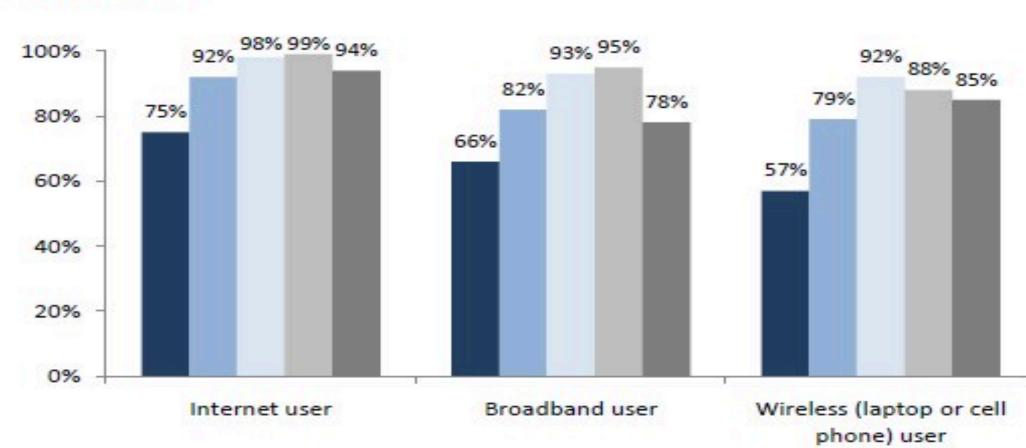
Percentage of all adults in each group who own different devices

	All adults	Non- students, 18-24	Undergrads	Grad students	Community College
Cell phone	82%	89%	96%	99%	94%
Desktop computer	60	58	59	73	67
Laptop computer	52	64	88	93	70
iPod or mp3 player	45	69	84	86	72
Game console	41	64	58	49	61
e-book reader	5	4	9	7	4
Tablet computer	4	4	5	5	4

Source: Pew Research Center's Internet & American Life Project 2010 tracking surveys. All include landline and cell phone interviews. N for all adults=9,769; n for 18-24 year old non-students=717; n for four-year undergrads=246, n for grad students=112, n for community college students=164.

#### Connected college students

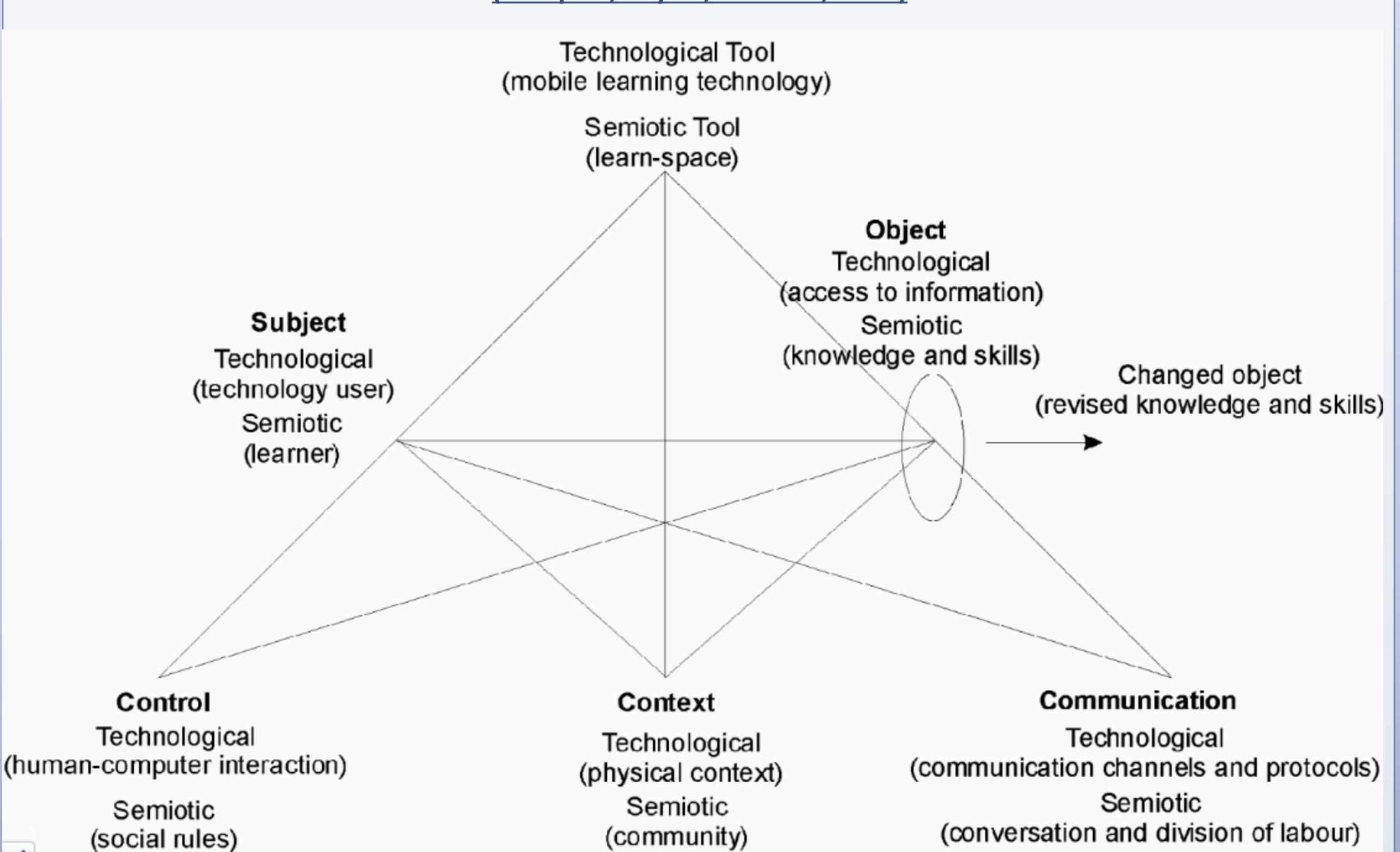
Percentage of American adults in each group who use the internet, have broadband at home, and connect wirelessly



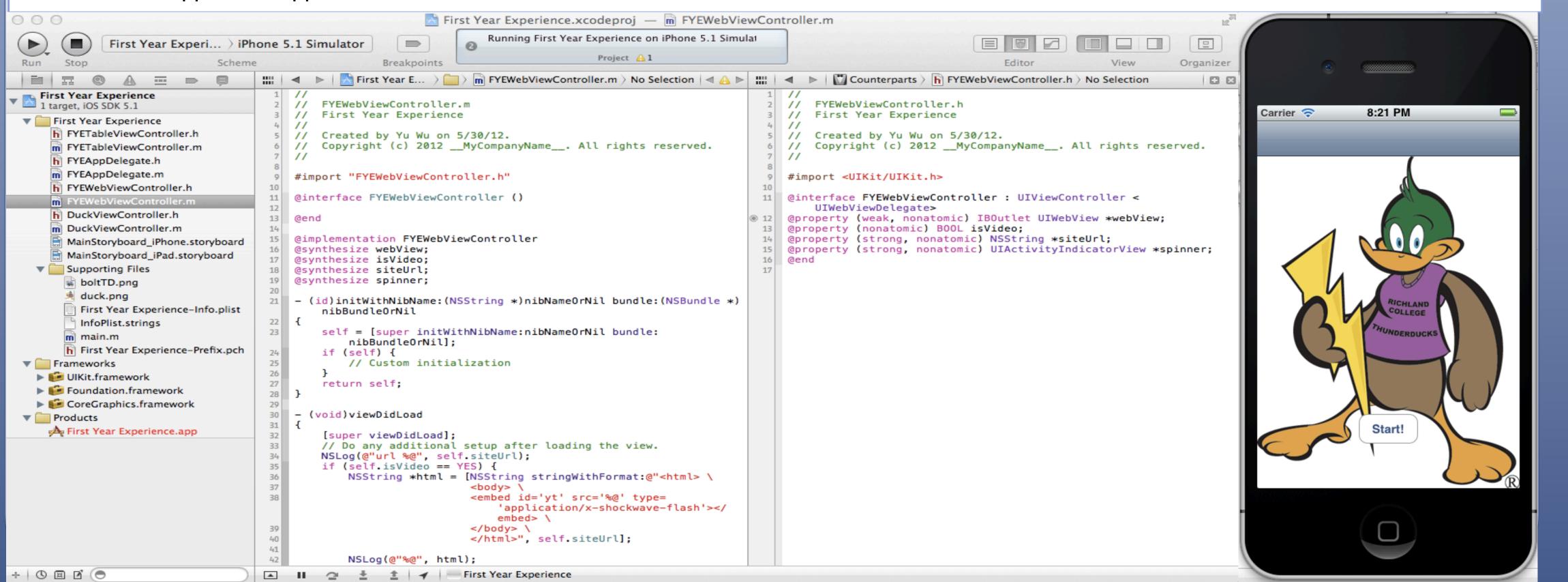
■ All adults ■ Non-students, 18-24 ■ Undergrads ■ Grad Students ■ Community College

Source: Pew Research Center's Internet & American Life Project 2010 tracking surveys. All include landline and cell phone interviews. N for all adults=9,769; n for 18-24 year old non-students=717; n for four-year undergrads=246, n for grad students=112, n for community college students=164.

# Toward a Theory of Mobile Learning for Student Success An Application of Cultural Historical Activity Theory (Sharples, Taylor, Vavoula, 2005)



- Apple's Xcode software provides all the tools you need.
- Form a design team with key stakeholders and involve students in the process--try a school-wide design contest!
- State clear goals and objectives
- Coding; create and configure the project and develop the app. You need a great avatar for the app store.
- Publish the app in the app store.
- Conduct a pilot test with students and other stakeholders. Make changes based on feedback.
- Publish the app in the app store!



# Conclusions

- Community colleges need to experiment on the leading edge of technology that has the potential to impact students in a big way for a small cost.
- Use your college's values and local culture to build an app that fits your culture, students, and environment.
- Intention and Design Matter!
- Use the app to collect data and survey information on students' first year experiences. Apps are flexible and can be coded to do almost anything. Be creative!
- Message students directly to their phones with important communications and motivational messages.
- Consider hiring an expert coder as a consultant for your project
- Devise a systematic way to assess the project's impact, but expect blind spots as you move forward.
- Evaluate other school's use of apps such as Stanford and Central Michigan
- The app is only one piece of your student success effort.

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