

David Keathly, CTC Co-PI and Principal Lecturer
Computer Science and Engineering
University of North Texas, Denton TX
david.keathly@unt.edu

EASING THE ROCKY ROAD TO AN IT BACHELORS DEGREE – WITH BAIT AND YOU!!

The Beginning

- ◎ Lots of Meetings!!
 - CC faculty
 - Business Leaders
 - Faculty
 - Students
 - ABET
 - Etc
- ◎ First offering Fall 2008 42 students
- ◎ Fall 2009 90 students
- ◎ First Graduate Dec 2010
- ◎ Silver Award in 2009 For “Innovation in Curriculum Development” from the National Center for the Study of Transfer Students
- ◎ Steady State of 125-160 students and about 30-40 graduates per year



BA-IT Degree GOALS AND CONSTRAINTS

- ⦿ Valuable to area industry
- ⦿ Maximize potential transfer credits
- ⦿ Eligible for ABET accreditation
- ⦿ Meets the requirements for College of Engineering programs
- ⦿ Provides opportunities for transfer of courses and curriculum to community colleges
- ⦿ Multiple opportunities for hands-on experiences
- ⦿ Diverse background in IT topics in required courses
- ⦿ Flexibility for students to design their own specializations





How the customer explained it



How the Project Leader understood it



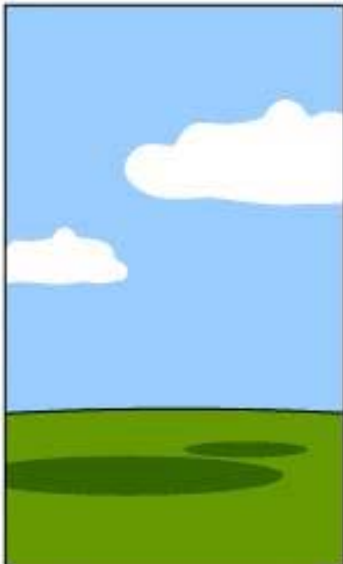
How the Analyst designed it



How the Programmer wrote it



How the Business Consultant described it



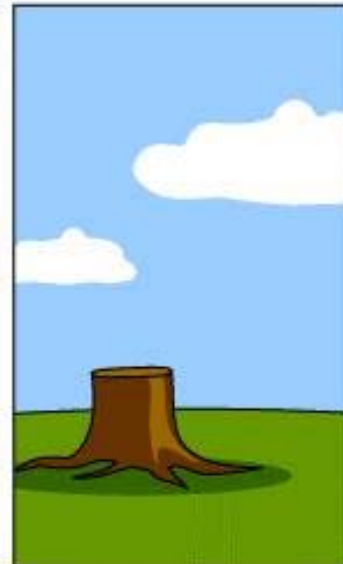
How the project was documented



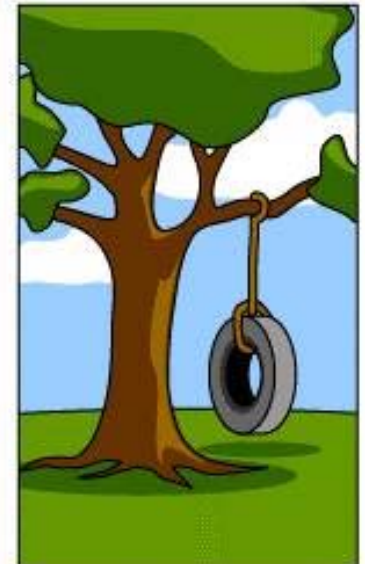
What operations installed



How the customer was billed



How it was supported



What the customer really needed

Workforce Skills Courses

- ◎ In Texas, and other states, certain courses are considered skills course and often do not transfer to 4 year academic programs
- ◎ As will be discussed later, these obstacles can be overcome with careful planning
- ◎ Some courses can be paired with academic courses as substitutes if certain requirements are met



The UNT BAIT Degree

- ◎ This unique program was designed from the beginning to meet the special articulation needs of Community College students in technical disciplines
- ◎ It was also designed to meet the skills needed by area businesses and to provide flexibility
- ◎ Has already won awards for innovative curriculum design
- ◎ Has now passed ABET Accreditation twice. Good until 2021



WE LEARNED SOME LESSONS AFTER 4 and then again after 7 YEARS

- ◎ The College of Engineering changed their requirements
- ◎ And the state changed the core....
- ◎ So we have a new and improved BA-IT program!



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Components of BAIT

- ⊙ Texas Core (all transfer –some flexibility for Out-of-State)
- ⊙ Engineering Core
 - Science, Math and Technical Communications (most transfer)
- ⊙ CS and IT Core
 - Programming (some transfer)
 - Analysis and Design (System/Business Analyst)
 - Database and Database Admin
 - Networking and Network Admin
 - Security
 - Project Management
 - Project-based Capstone experiences
 - Web development and Administration
- ⊙ Supporting Area (21 hours)
 - Flexible to apply IT to any relevant area
 - Accepts workforce skills courses



Program Requirements

- ⦿ 121 Hours minimum with 42 advanced hours
- ⦿ 8 hours of science with labs
- ⦿ 7 hours of Mathematics
- ⦿ 3 hours of Advanced Oral and Written Communications
- ⦿ 55 required hours in Computer Science and IT including 9 hours of advanced technical electives
- ⦿ 21 hours in supporting courses
- ⦿ University core (27 hrs)
- ⦿ This degree can also be configured to participate in the Teach North Texas program with teacher certification



Unique Features

- 9 hour of Admin courses (Network, Security, DB) at request of industry
- 21 hour Support area permits further specialization of an interdisciplinary nature
 - Pre-Med
 - Pre-Law
 - Pre-MBA
 - Game Development
 - Criminal Justice / CSI
 - Information Security
 - Communications and Networks
 - Technical Management
 - Computational Life Sciences
 - And many others



TRANSFERABLE HOURS

- ◎ A total of up to 79 hours could be earned at the community college
- ◎ Typical transferable hours is about 40 hours
- ◎ With some work to revise required course sequences and degree plans, and tailored articulation agreements – more students could transfer more hours into the program
- ◎ This is one of our continuous working goals



The BAIT Litmus Test

- ◎ One of the keys for the future success of BAIT was passing both SACS and ABET accreditation as an Engineering Program
- ◎ This is one of the only IT programs in Engineering in Texas and US, and one of only a couple that accepts workforce courses
- ◎ Sets the program apart from other IT programs in Business – it is a very technical IT degree



What does this mean for you??

- ◎ Become a partner through the CCN with UNT
 - Offer the degree plan remotely on your campus for your students
 - Concurrent enrollment
 - Stipends for mentors
 - Adjunct opportunities for qualified faculty
- ◎ Especially good for CCN members without a university nearby or one that does not have an IT Bachelors.



What does this mean for your neighbors and graduates??

- ◎ Help build a network of similar programs to support your graduates.
 1. We will mentor other 4 year colleges and universities to develop similar programs in other parts of the country. Send us your recommendations or contacts.
 2. Have them join the new CCN University subgroup to begin this process and others
 - a. Common articulation agreements
 - b. Joint degree programs
 - c. Bring your ideas



What are my next steps??

- ◎ Refer your university friends to the the CCN university group
- ◎ Send me an email to reserve a spot in the BAIT cohort to offer BAIT at your school
 - We will have an application ready May-June 2017
 - We hope to begin offering classes in the Fall and Spring (11 will be ready by August 2017)
 - We will begin articulation agreement work over the summer
 - Fall 2018 we will start the mentor program (applications in December 2017)
 - After Fall 2018 we will begin looking at using Adjuncts for some courses as instructors and lab managers



Questions??



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