

CIS 298
Spring 2012



Learning
Support Center
Sign-In/ Sign-Out

CIS 298 Spring 2012 Team

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AS-IS: Analysis Approach

- Interviews
 - Learning Support Center
 - Other departments with similar needs
- Collected input forms
- Current Access database
- Process documentation



Problem Statement

- The Learning Support Center (LSC) needs an automated process for managing the intake, sign-in, and sign-out of student visitors.
- Reduce manual tracking and reporting



Stakeholders

- Learning Support Center staff
 - Pat Marks, Project Sponsor
 - Jeremiah Roland, Primary Stakeholder
- Students
- EDCC IT Department
- EDCC Faculty
- EDCC Administration and Staff
- CIS 298 Project Team



AS-IS Process

- First-time student visits the LSC
 - Intake
- Subsequent visits
 - Sign-in/ Sign-out
- Tally reports
- Analyze reports
- Start new database (quarterly)



AS-IS Data & Technology

- Inputs
 - Assistance Requests (intake form)
 - Daily Sign-in Form
- Outputs
 - Manual tally of total hours
 - Various queries
 - Budget Validation Report
- Technology
 - Generic PC, printer
 - MS Office 2010/ Access & Excel



AS-IS: Strengths/ Weaknesses

- No ID needed to log in
- Simple to use
- Minimal info requirements
- Access silo
- Manual sign-in/ out
- Manual data entry
- New database each quarter
- Not utilized externally
- Redundant
- Time-consuming process



TO-BE: Scope

- Analyze & define functional data requirements
- Alternatives analysis
- LSC Department
 - Model could be repeated and reproduced for other departments
- Not designing and implementing system
- Recommend specific solution



TO-BE: Objectives

- Provide automated tracking system
- Minimize the management effort
- Automate calculations
- Generate queries and reports from the system



TO-BE: Benefits

- Automated sign-in and sign-out
 - Reduces potential for incorrect data
 - No longer requires staff member to sign in user
- Automated calculation of time duration
- EDCC Self-support
- Reliable trend/ history reporting
- Scalable system

TO-BE: Data Requirements

- Entity Relationship Diagram
- State Transition Diagram
- Requirements Catalog
- Metadata Dictionary
- Commonality/ Variability Matrix



The screenshot shows the website for the Learning Support Center at Edmonds Community College. At the top, there is a navigation menu with links for "About the College", "Catalog / Programs", "College Resources", and "Class Schedule". Below the menu, the page title reads "Edmonds CC >> Learning Support Center at Edmonds Community College". The main heading is "Learning Support Center at Edmonds Community College". On the left side, there is a vertical menu with the following items: "Learning Support Center", "Assistance in Math, Chemistry, and Other Subjects", "Tutoring Center" (highlighted), "Writing Assistance", "Writing Center", "Writing Center Handouts", "Writing Skills Course List", and "EdCC Grammar Modules". To the right of the menu, there is a logo for the "Learning Support Center" featuring a blue and yellow swoosh. Below the logo, the text reads "Tutoring Center: FREE Walk-in One-on-one Tutoring". A paragraph of text describes the services: "The Tutoring Center offers free tutoring in a friendly, supportive atmosphere. It is available to students working on homework or needing assistance in many subject areas. The tutors who provide academic assistance are fellow students who have successfully taken these courses, who are recommended by the instructors, and who do an excellent job of working one-on-one with fellow students."

TO BE: Alternatives

- School Check-In
- Insight
- Student Tracking System
- OrgSync
- Outsourcing
- In-House Development



Conclusion

- Flexible, scalable, and targeted solution
- Functional data requirements
- Alternatives
- In-house development





Questions?

Thank you.