Welcome

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Agenda

- Introduction
- Our Waterfall Model
- Problem Overview
- UML Use Case Diagram
- Data Flow Diagrams
- User Case Narratives
- Functional Requirements
- Non-Functional Requirements
- Timeline
- What’s Next
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- What’s Next
Digital Evolutions

Team Members

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Information Specialist
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Waterfall Model
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Problem Overview

- Connect members of Siena community
- Group oriented
- Promote 6 R’s
- Personal profiles, Groups, Reports
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UML Use Case Diagram

- Displays all users
- Shows major functions of system
- Lines show a relationship between users and functions
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Data Flow Diagrams

- Show the “flow” of data through the system
- Used as a visualization tool
- Each level down is more complex
  - Context
  - Level 0
  - Level 1
Context Diagram

- D1 Database
- General User
- Alumni
- Admin
- Guest
- Super Admin

SaintBook
Key:
A. Login request
B. Use functions
C. Sign up request
D. Process login request
E. Process functions
F. Process sign request
G. Insert label
H. Store Label
I. Give access
J. Receive access
K. Process granted access
L. Retrieve label
M. Process assign label
Level 1 Diagram

Authenticate
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User Case Narrative

- Tells a story about the user
- Describes interaction between users and system
- Explains abilities of each individual user
List of all Users

- General User (Students, Faculty, and Staff)
- Administrators
- Super Administrator
- Alumni
- Guests
The General User

- Students, Faculty, Staff
- Driving Force behind the site
- Profile, Groups, Reports, Friends
**Administrator**

Additional Abilities
- Delete Groups/ Users
- Label Groups with “R’s”
- View Group Reports

**Super Administrator**

- Not a user
- Only an account
Alumni

Limitation
- Creating and Managing Groups

Guests

- Guest Accounts
- View Profiles/Groups
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- **Functional Requirements**
- Non-Functional Requirements
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Functional Requirements

- What the system will be able to do
  - Specific behaviors/functions
  - Testable features of the system
  - Requirements organized by user
The General User

- Secure login and registration
- Profile management
- Group creation and management
- Reports
- Posting
- Friends
- Privacy settings
- Searching
Administrator

In addition to the General User abilities:

- Control Panel to delete content
- Label Groups with one or more of the 6 R’s
- View reports about groups
Alumni

Same abilities as General User EXCEPT:

- Group creation
- Group management
Guests

- Self-register
- View
  - Public information for users
  - Public information for groups
Super Administrator

- Not an actual user
- One Super Admin account
- Can be accessed by more than one Administrator
- Promote General User to Administrator
- Demote Administrator to General User
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Non-Functional Requirements

- Non-testable elements of the system
- Defines how the system will “be”
  - Judges operation of system
Non-Functional Requirements

- The system must be user friendly
- The system must run fast and efficiently
- The system must have reliable backup methods
- The system must be easily maintainable
- The system must be easily modifiable
- The system must be stable
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## Gantt Chart

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Team: Digital Evolutions  
Project: Saintbook  
Date: 10/30/2009  

![Gantt Chart Image]
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What’s Next

Preliminary Design

Document: December 8, 2009
Presentation: December 9, 2009
What’s Next (cont.)

**Detailed Design**

Document and Presentation: February 2010

**Acceptance Test**

Document and Presentation: April 2010
Thank You

Questions?