

SCAR

**SIENA COLLEGE ACCURATE
REGISTRATION**

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REQUIREMENTS SPECIFICATION

OCTOBER 29TH, 2012

Welcome

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Mr. Michael Papadopoulos

Assistant Vice President of Student Affairs

Director of Public Safety

Siena College

Agenda

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- **Introduction**
- Product Overview and Summary
- Current Stage of Development
- Use Case Narratives
- Use Case Diagram
- Data Flow Diagrams
- Requirements Inventory
- Next Steps

Introduction

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Vincent Hueber
Team leader

Patrick Decker
Project Manager

Hans Hansen
Web-Master

David Scirto
System Administrator

Donovan Jackson
Documentarian

Agenda

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- **Product Overview and Summary**
- Current Stage of Development
- Use Case Narratives
- Use Case Diagram
- Data Flow Diagrams
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Product Overview and Summary

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- Restatement of Problem
 - Too much manual input
 - No secure way to guarantee accurate input
 - Does not support repeated guests
 - Form is susceptible to forgery

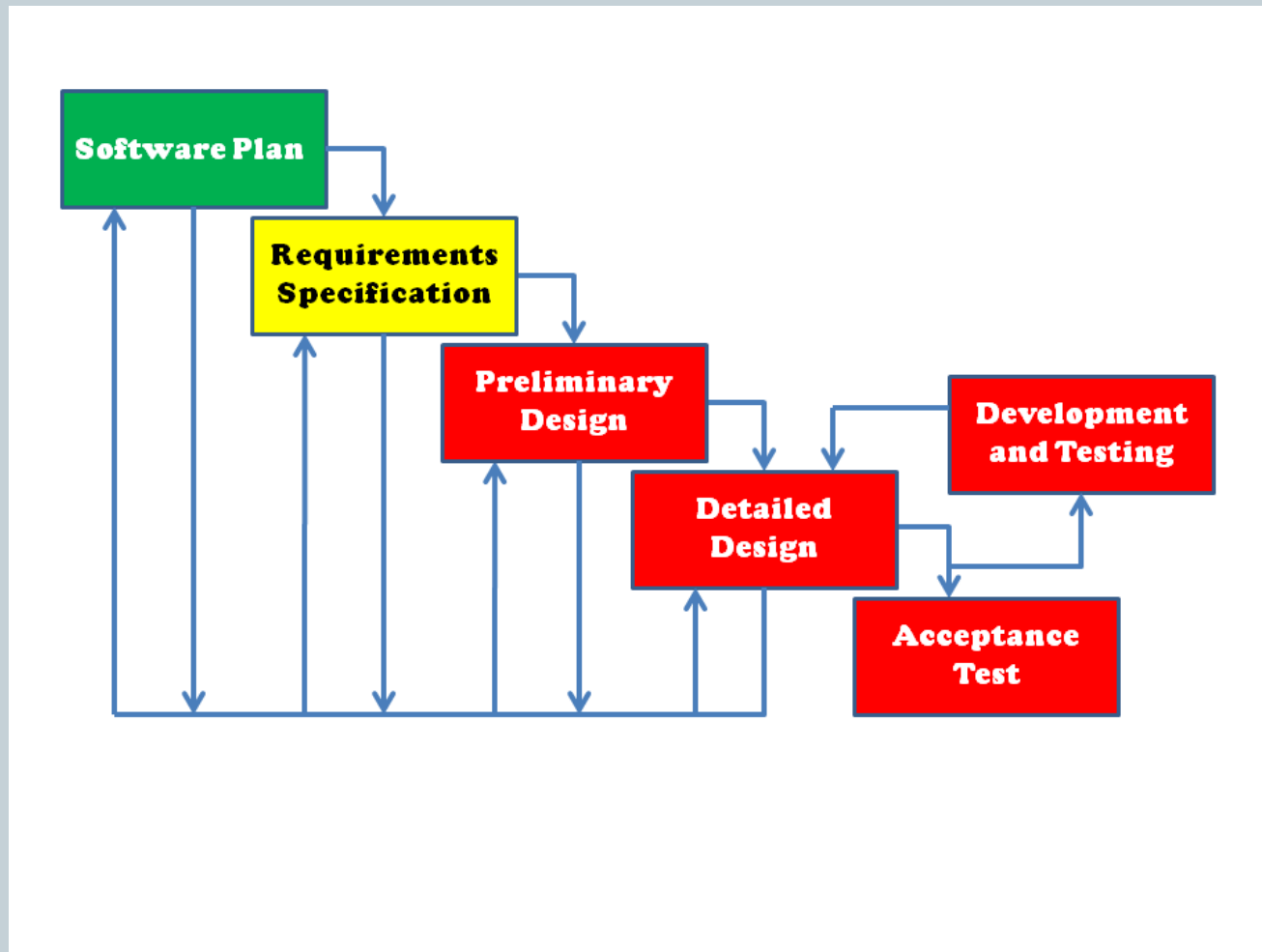
Agenda

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- **Current Stage of Development**
- Use Case Narratives
- Use Case Diagram
- Data Flow Diagrams
- Requirements Inventory
- Next Steps

Current Stage of Development

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Agenda

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- **Use Case Narratives**
- Use Case Diagram
- Data Flow Diagrams
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Use Case Narratives

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- A narrative about the abilities of each user
- Gives a detailed description of how each user can interact with the system

Use Case Narratives

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- **Administrator**
 - Log In/Log Out
 - ✦ Using User name and Password
 - Highest level of privileges
 - Ability to query database
 - Ability to place or remove bans on students and guests
 - Ability to shut down guest registration
 - Ability to create Public Safety accounts

Use Case Narratives

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- **Public Safety**
 - Log In/Log Out
 - ✦ Using Username and Password
 - Ability to query database
 - Receive notifications
 - Ability to swipe IDs

Use Case Narratives

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- Student
 - Log In
 - ✦ Using Username and Password
 - Ability to register guest
 - ✦ Web form or Kiernan Hall
 - Ability to swipe SID
 - Receive Conformation Email

Use Case Narratives

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- Guest
 - Log In
 - ✦ Using Username and Password
 - Ability to swipe ID
 - Receive Confirmation Email
 - Fill out guest information
 - ✦ When registered at Kiernan Hall

Use Case Narratives

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- **Overnight Host**
 - Receive conformation
 - Verify registration of guest

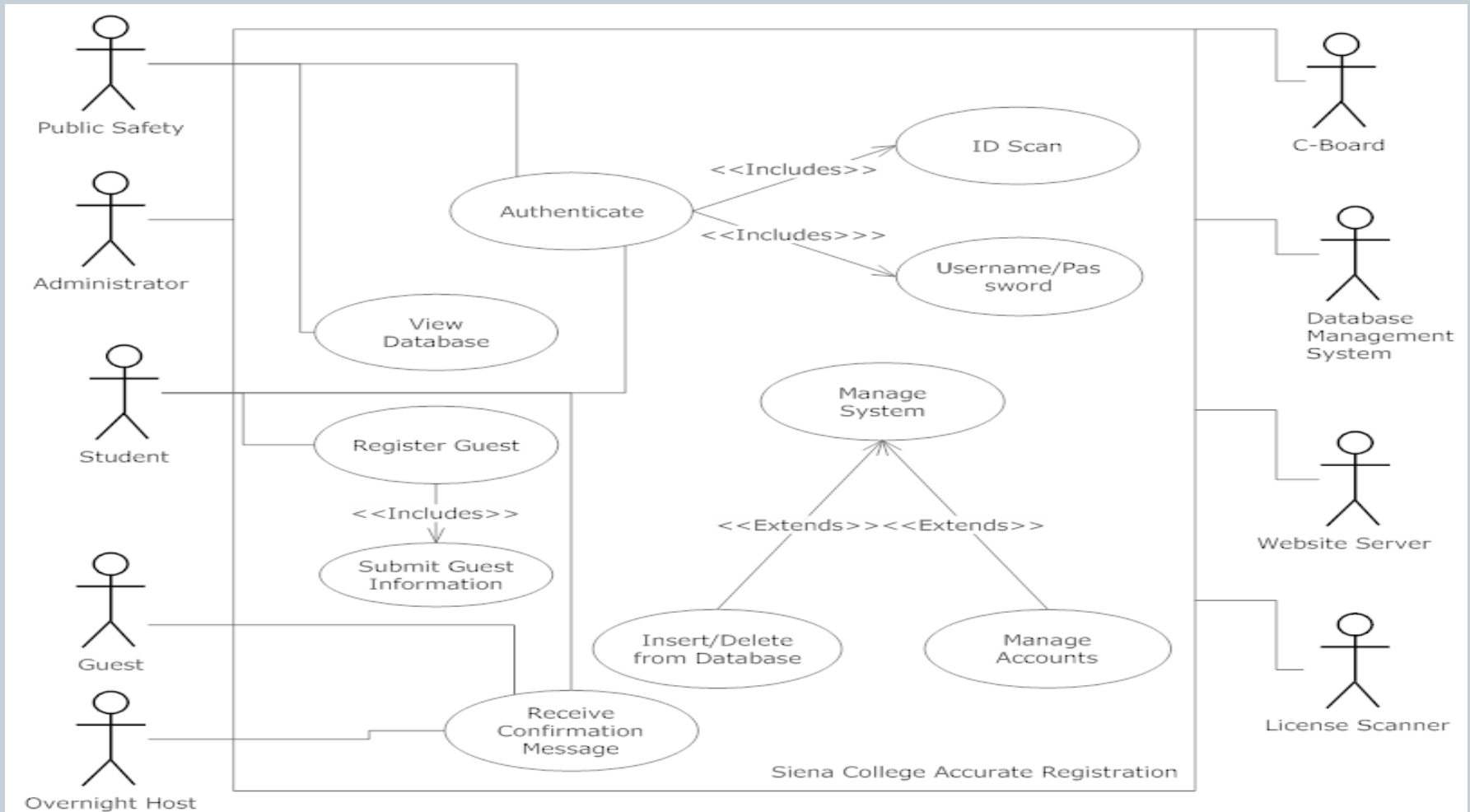
Agenda

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- **Use Case Diagram**
- Data Flow Diagrams
- Requirements Inventory
- Next Steps

Use Case Diagram

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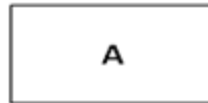
Agenda

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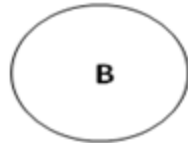
- **Data Flow Diagrams**
- Requirements Inventory
- Next Steps

Data Flow Diagrams

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Entity



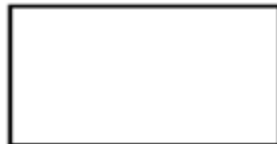
Process



Datastore



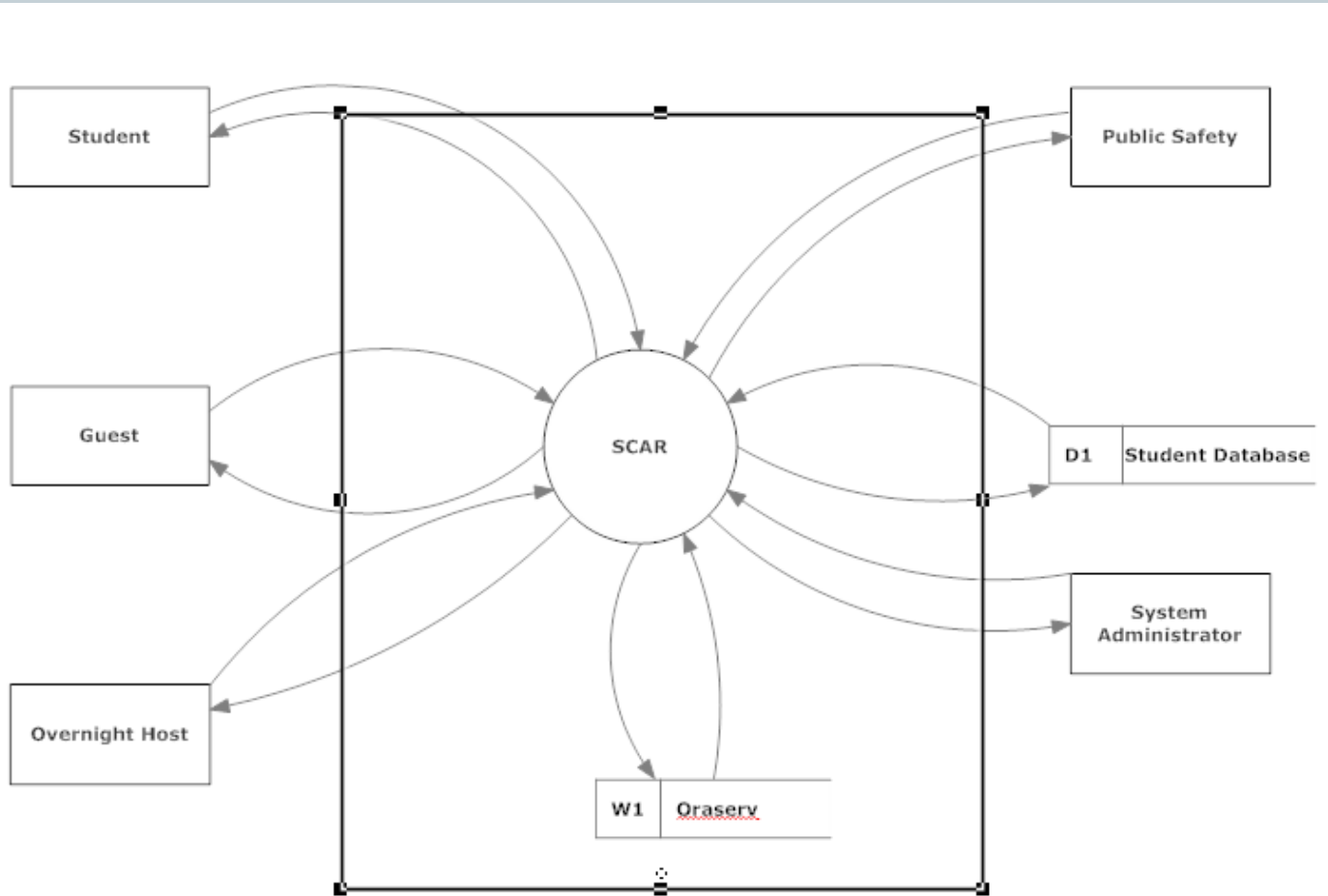
Data Flow



Boundary Line

Data Flow Diagrams

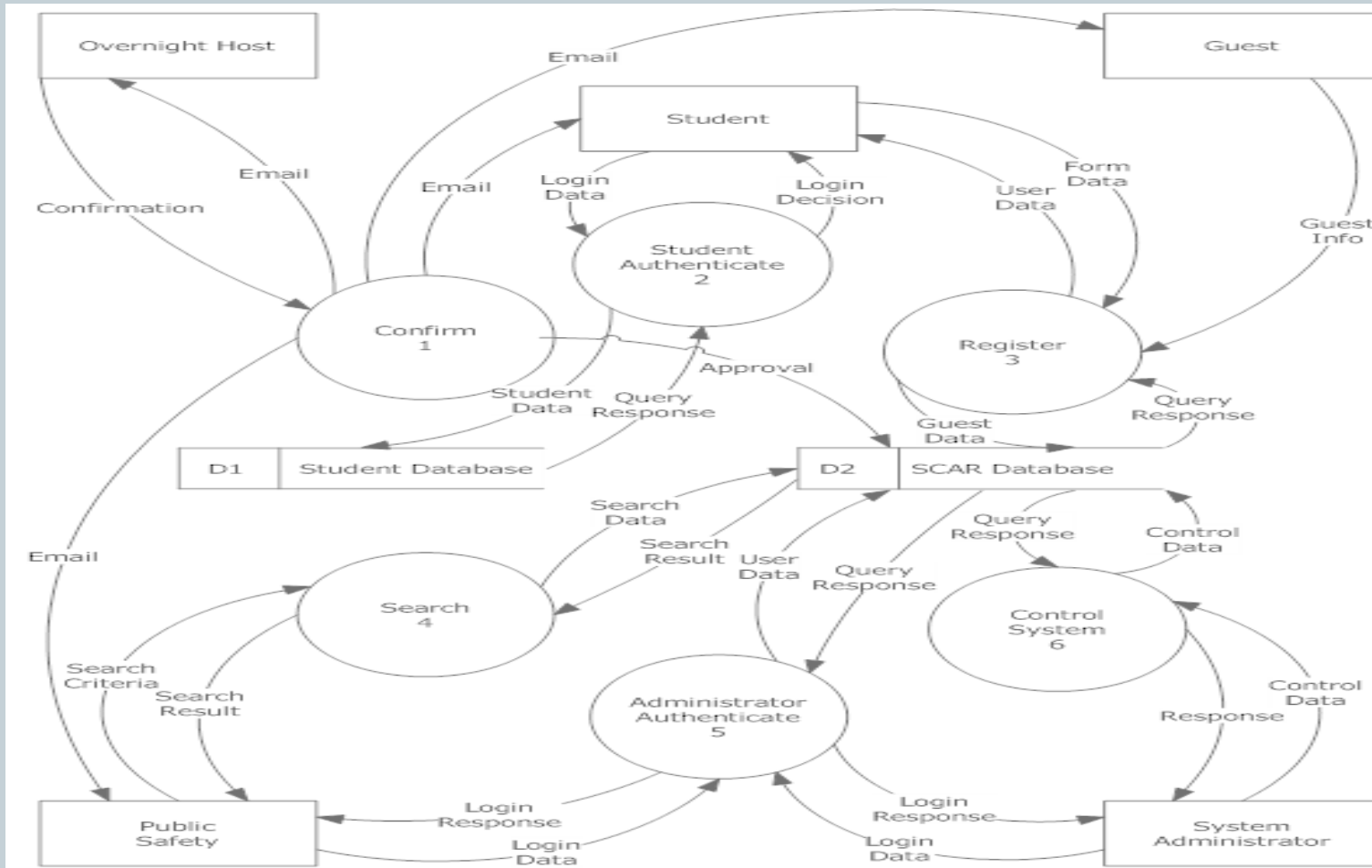
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Context
Diagram

Data Flow Diagram

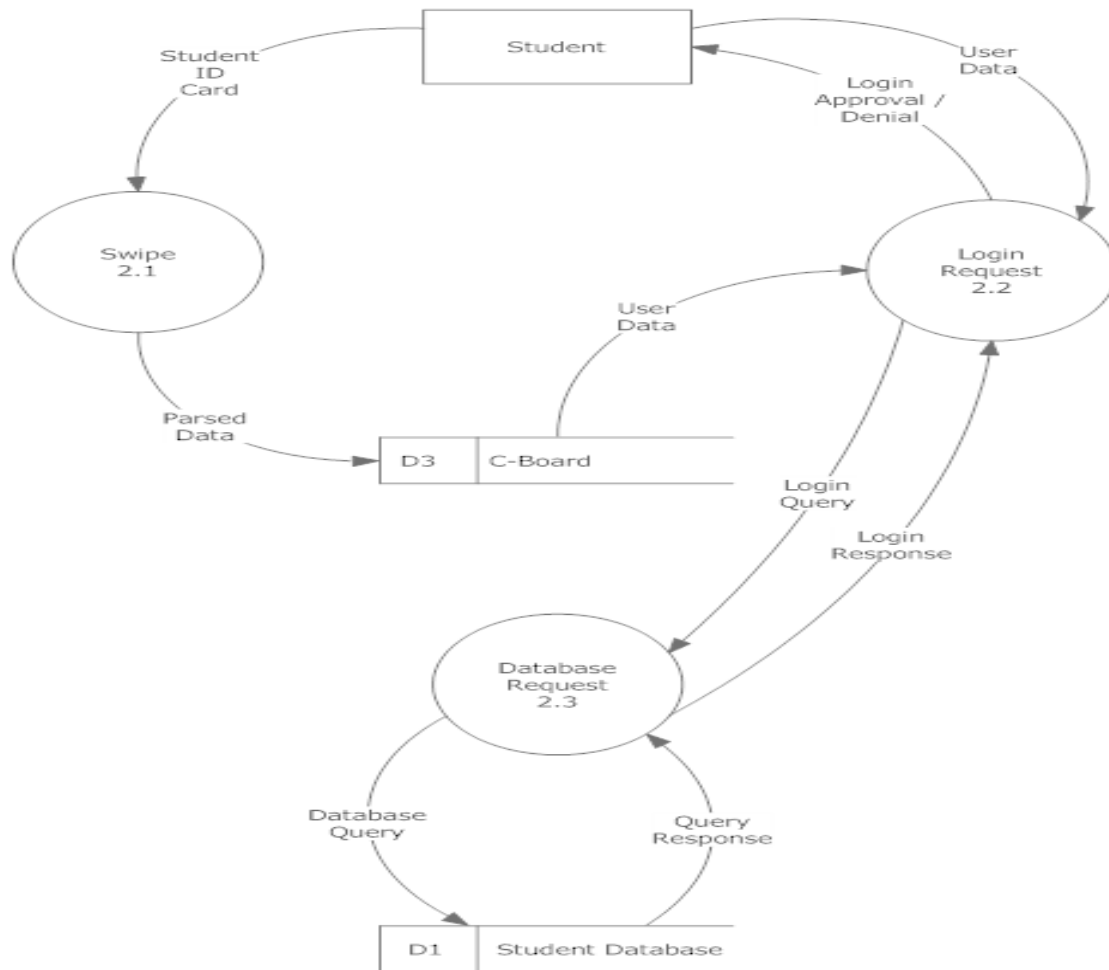
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SCAR
Level 0
Diagram

Data Flow Diagram

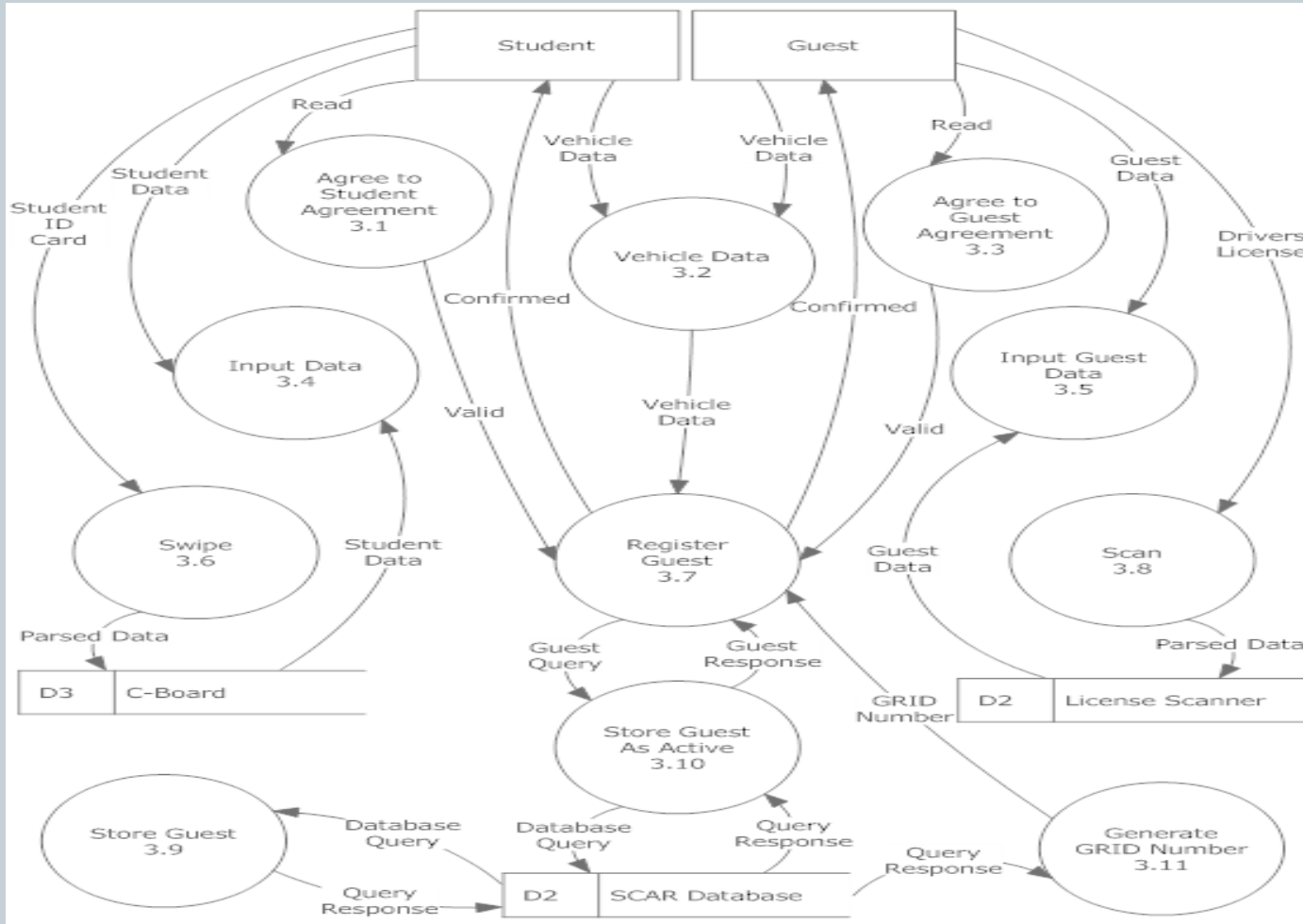
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Authenticate
Level 1
Diagram

Data Flow Diagram

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Register
Level 1
Diagram

Agenda

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- **Requirements Inventory**
- Next Steps

Requirements Inventory

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- **Non-Functional Requirements**
 - Efficient
 - Student Friendly
 - Intuitive to use for Public Safety
 - Easily Maintained
 - Abides by Siena Life (Page 55 of the 2012-2013 issue)
 - Aesthetically Pleasing

Requirements Inventory

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- **Functional Requirements for SCAR**
 - Useable on all major browsers
 - Secure
 - Data must be archived upon the end of each year
 - Online form has requirements so that it must be completed
 - System has a maximum registration number

Requirements Inventory

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- **Functional Requirements for SCAR Administrator**
 - Login Required
 - Ability to query database
 - Receives a registration conformation email
 - Notification that registered number of students is reaching quota
 - Ability to shut registration down at any point
 - Ability to lower maximum registered guests number

Requirements Inventory

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- **Functional Requirements for SCAR Student**
 - Login Required
 - Ability to register a guest
 - SID number can populate online form
 - Swipe of Student ID card
 - First time registered guests are added to the SCAR database
 - Ability to access previously registered guests
 - Receives a registration confirmation email

Agenda

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- **Next Steps**

Next Steps

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- Preliminary Design
 - December 7th, 2012
- Detailed Design
 - 2013
- Acceptance test
 - 2013

Any Questions?

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