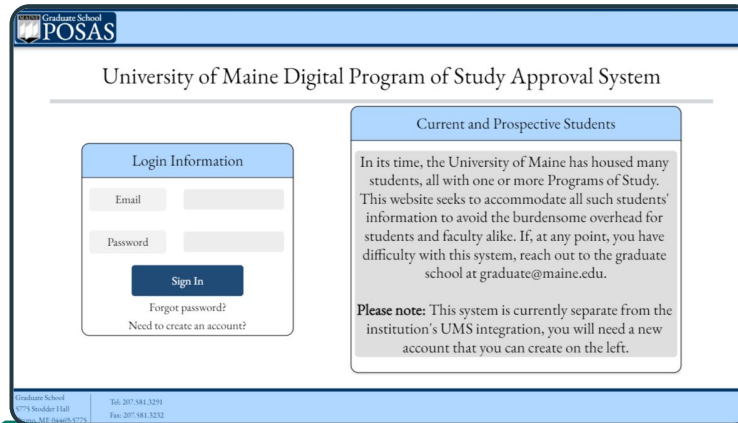


UMaine Graduate P.O.S.A.S.

(Program Of Study Approval System)

Acceptance Test Presentation



The screenshot displays the UMaine Graduate POSAS website. At the top, a blue header bar contains the UMaine logo and the text "Graduate School POSAS". Below this, the main heading reads "University of Maine Digital Program of Study Approval System". The page is divided into two primary sections. On the left, a "Login Information" box features input fields for "Email" and "Password", a "Sign In" button, and links for "Forgot password?" and "Need to create an account?". On the right, a section titled "Current and Prospective Students" contains a paragraph about the system's purpose and a "Please note" section stating that the system is currently separate from the institution's UMS integration. A footer bar at the bottom provides contact information for the Graduate School, including a website URL, phone number, fax number, and physical address.

University of Maine Digital Program of Study Approval System

Login Information

Email

Password

Sign In

[Forgot password?](#)

[Need to create an account?](#)

Current and Prospective Students

In its time, the University of Maine has housed many students, all with one or more Programs of Study. This website seeks to accommodate all such students' information to avoid the burdensome overhead for students and faculty alike. If, at any point, you have difficulty with this system, reach out to the graduate school at graduate@maine.edu.

Please note: This system is currently separate from the institution's UMS integration, you will need a new account that you can create on the left.

Graduate School
675 Soudan Hall
Orono, ME 04469-5979

Tel: 207/581.5291
Fax: 207/581.5232

Brought to you by Integral Solutions



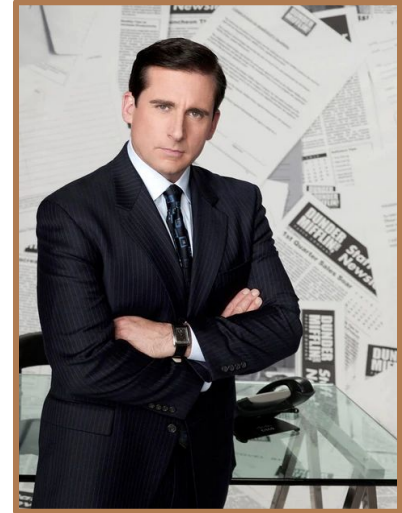
(Re-)Introduction

- Integral Solutions
 - Mac Creamer
 - Vincent King
 - Liam Blair
 - Aaron Wilde
 - Peter Riehl
- Client Harlan Onsrud - UMaine SCIS Grad School
- Revamp of POS System



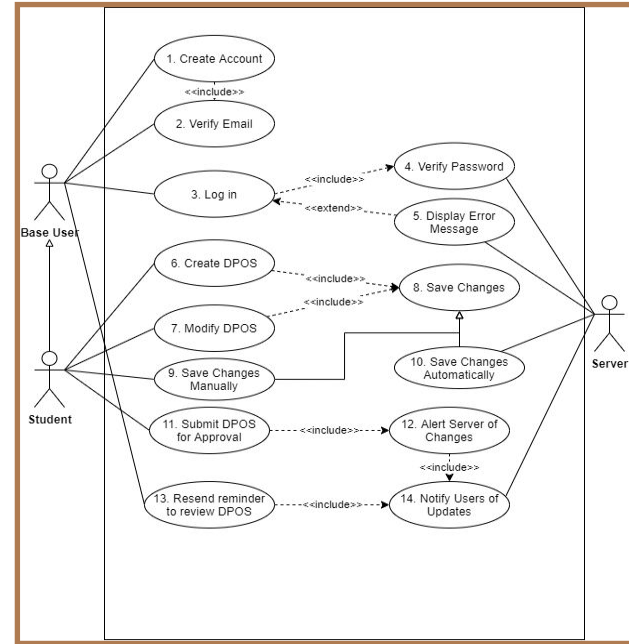
(Re-)Introduction

- POS? Program of Study
 - A roadmap
 - Required for any student to receive their graduate degree
 - Each member - Review. Sign. Send.
- Revamp of old system
 - Paper based : Arduous, misplacements, outdated
 - New system : Streamlined, easy, centralized!



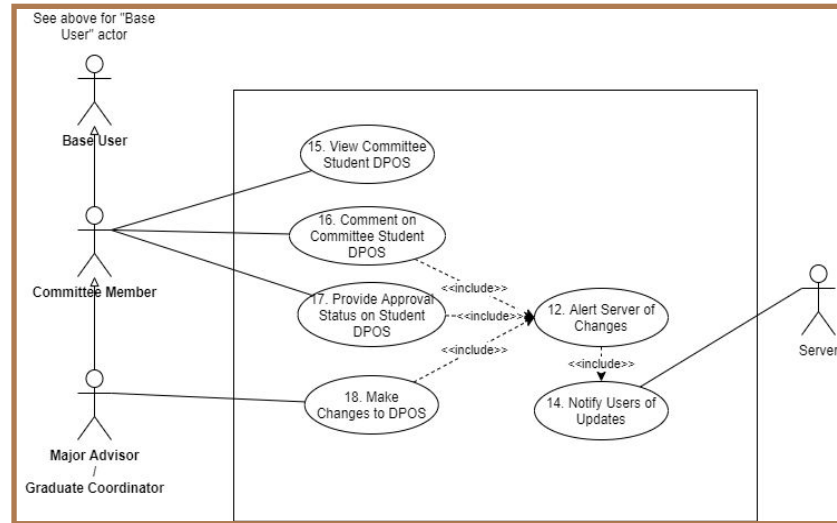
System Requirements - General

- All users need to be able to
 - Create an account
 - Verify their email address
 - Log in
 - Resend POS reminder



System Requirements - User Specific

- Students can...
 - Create, edit, and submit DPOS documents for review
- Advisors can...
 - View DPOS documents, as well as provide feedback and approval status.



System Requirements - Server

- What does the server need to be able to do?
 - Password verification
 - Error messaging
 - Automated and manual saving of POS documents
 - Update notification

Since a server and database will be required to handle the system's data, an on-campus device will be required to host the service from.



System Design - Client Side Functionality



System Actions:

- Verify password
- Save changes
- Notify users of updates
- Display error messages

User Actions → General:

- Create account
- Send reminder to review POS
- Log in

User Actions → Student:

- Create POS
- View POS
- Modify POS
- Save POS
- Submit POS for Approval

User Actions → Advisor/Committee:

- View Student POS
- Comment on Student POS
- Provide Approval
- Modify POS

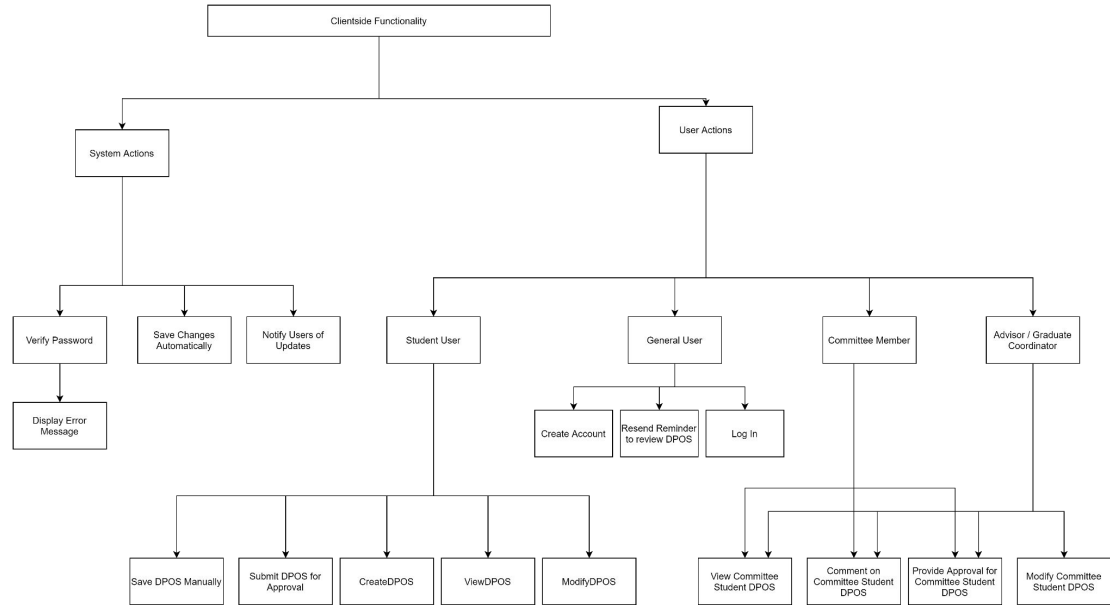


Figure 2.2.1 (SDD) Decomposition Diagram of the client side functions that the system makes use of. It is further broken down into user actions by subcategory, and actions that the system itself has.

System Design - Logical Architecture

Fives Components

- Client Frontend
- Client Backend
- Request Listener
- Request Handler
- Database

Component Relationships

Client Frontend \longleftrightarrow Client Backend

Client Backend \rightarrow Request Listener

Request Listener \rightarrow Request Handler

Request Handler \longleftrightarrow Database

Request Handler \rightarrow Client Backend

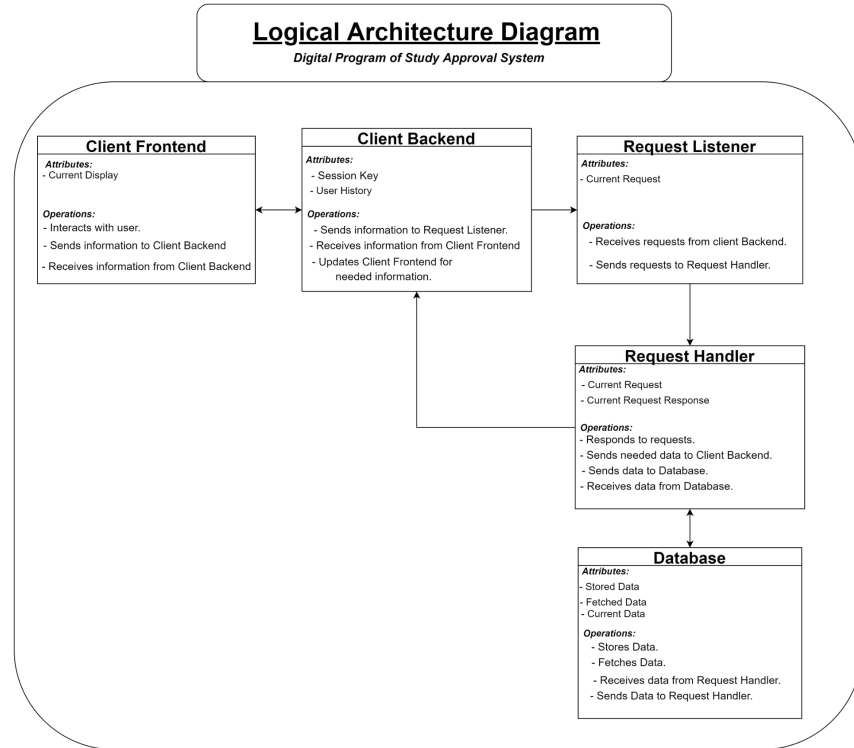
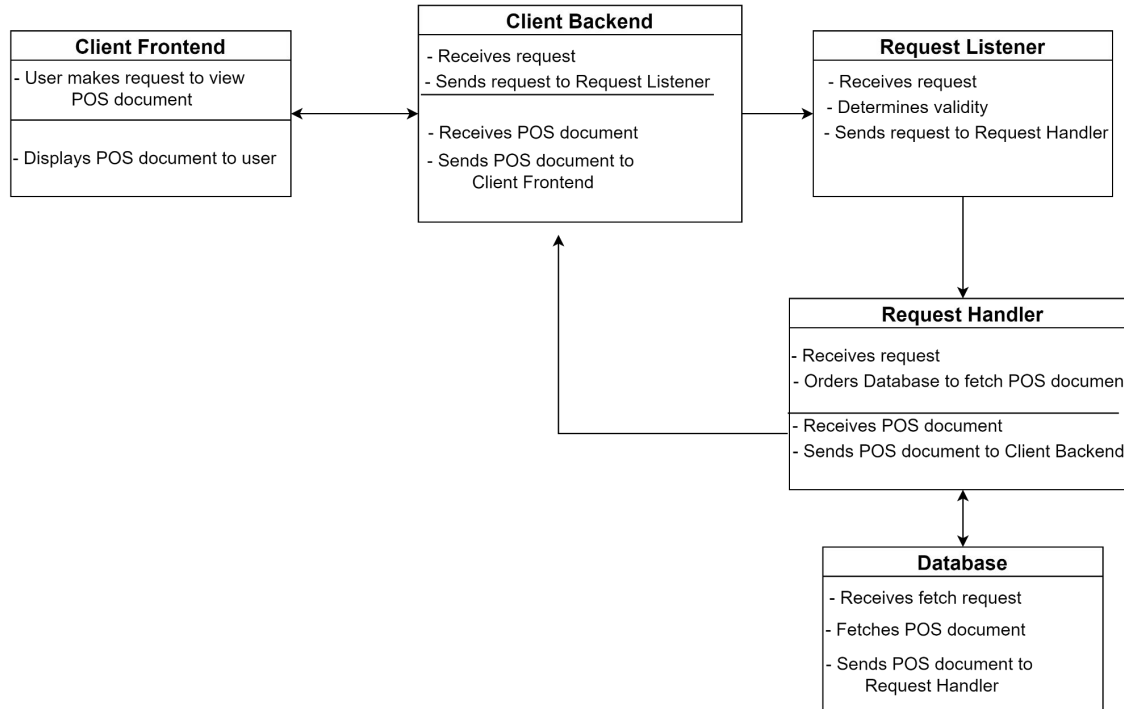


Figure 2.1 Logical architecture design diagram showing the relationship and interactions between objects of the system, as well as the attributes and operations associated with each object.



Logical Architecture Request Example:

Request: User requests to view POS document.

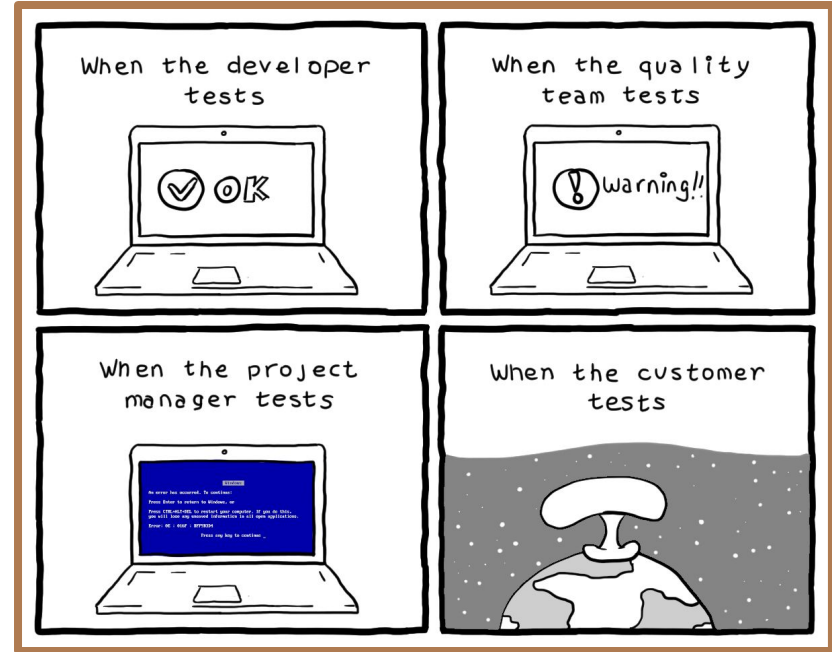


Implementation



Testing Strategies

Code Inspection:



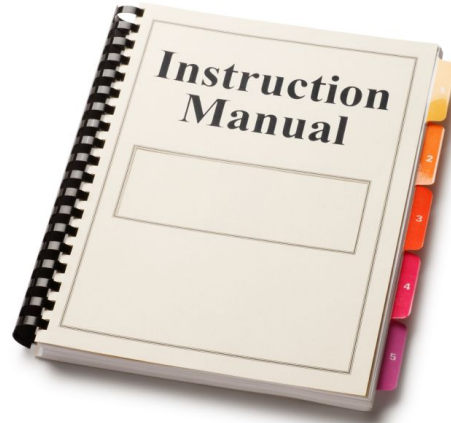
Deliverables



Github Repository:

<https://github.com/liamblair/Integral-Solutions>

Administrator Manual is complete, User Guide is in development.



Demonstration of Current Progress - Locally Hosted POSAS

- Please stand by while we get our brief demonstration ready!



Future Work - Visual Depiction of Remaining Content

University of Maine Digital Program of Study Approval System

Graduate School POSAS John Smith Settings Log Out

Create a New Program of Study (POS)

Please select a form:

- [Graduate Certificate Form](#)
- [Master's and Ph.D. Dissertation Form](#)
- [Bachelor's Certificate Form](#)

[Return to Home](#) [Continue](#)

Graduate School 207-581-2286 207-581-2286 Fax 207-581-2286

University of Maine Digital Program of Study Approval System

Graduate School POSAS John Smith Settings Log Out

Change Password

Old Password

New Password

Verify Password

[Change Password](#)

Account Information Setup

First Name* Last Name* Phone Number*

Please give your current address, if it changes during your time using this service, you can go into account settings to change it.

Street*

City* State/Territory*

Zip/Postal Code* Country*

[Change Account Information](#)

Graduate School 207-581-2286 207-581-2286 Fax 207-581-2286

Future Work - Collaboration with the graduate school to implement POSAS

