



PROJECT PROPOSAL

PROPOSED TO:

*The Ole School Alumni
Scholarship Group (OSASG)*

PROPOSED BY:

MadisonSoft

April 18, 2022

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INTRODUCTION

BRIEF DESCRIPTION

The Ole School Alumni Group is comprised of James Madison University African American Alumni and seeks to support underrepresented students in activities relating to professional development and academic success. Currently, the Ole School Group conducts most of their activities, such as communication and data storage manually through applications such as email and Microsoft Excel, and the process has proven to be rather inefficient.

MadisonSoft, a group of JMU CIS and SMAD students, seeks to help streamline Ole School Group operations through the implementation of a customized system that will allow them to store data securely in a database and automate application, communication, and other processes.

This project will be done by first identifying the major pain points in the current Ole School Group process and conducting research with stakeholders. The application will be created using MS SQL Server and .Net framework and hosted on AWS.

INTRODUCTION

CURRENT SCENARIO

The Ole School Alumni Scholarship Group's goal is to hire a group to create a website that better fits their current needs. Right now, they are struggling the most with internal organization and communication between faculty/admin and student. They aim to use their platform to strengthen sponsor and student connections while simultaneously providing coaching and mentoring through internship and scholarship programs.

DESIGN QUESTION

How can we revamp the Ole School website in a way that connects alumni/members, students, and admin for students to receive scholarships and become active members of the organization?

DESIGN PROCESS

In our design, we will respond to user needs on behalf of three different perspectives: student, member, and administrator. The administrators largest pain point is that they communicate specifically by email and sometimes have no way of knowing whether a student sent in an application. Their biggest need is to have an interface that is organized and can 'oversee' all accounts. Needs for OSASG members consist of spreading awareness for the Ole School, gaining donations, and incorporating more students into different programs. Examples of student needs might be an easy application process to the scholarship, or membership to volunteer and make connections.

PROJECT GOALS

1

Account Access

Our team solved user interface problems by allowing students to create accounts with specific information that is applicable across the entire site. This includes a search bar, easy application process, and a messaging feature.

2

Member Privileges

Our team solved user interface problems by allowing members to search, access, recommend, and award specific scholarships, jobs, and internships in a manner that is easy to understand. We also created an automated email process that connects to the database then automatically sends emails with updates to all people with accounts and sends specific information when a student receives a scholarship, internship, or job.

3

Admin Controls

Our team solved user interface problems by allowing the admin to perform all functions in the system. Admin will also be able to make any necessary adjustments to every user and or opportunity in the system.

4

Calendar View

Our team solved user interface problems by giving users the ability to view a calendar of upcoming opportunities, events, and new content tailored to their permissions.

PROJECT RESEARCH

USER RESEARCH

After listening to members and students of the Ole School Alumni Association Group speak on their organization's needs, we compiled a list of questions that will help us create an interface more specific to OSASG's goals. By attending online Zoom sessions with students, we were able to determine what type of goals the student aimed to accomplish but we are not sure what changes to the site the staff would like to see. The survey we created is aimed at OSASG staff and is made up of 6-7 questions. These questions include Likert scales, multiple choice answers, and short answers where staff members have a chance to write in their responses. This survey aims to understand where staff's pain points are considering the current website and will gain insight into what the staff would like to see implemented into the site. The data will be finalized on Monday, March 28.

SURVEY RESEARCH

Although we know the core functions of how the new OSASG site should operate, this survey is beneficial in getting the opinions of a larger population of people on behalf of additional features and other minor adjustments (color, tying in social media, tech level, etc.)

SURVEY

QUESTIONS

1. How satisfied are you with the current OSASG website?
 - a. Likert scale: rating from 1 (not satisfied) to 5 (very satisfied)
2. How experienced are you in using technology?
 - a. Likert scale: rating from 1 (inexperienced) to 5 (very experienced)
3. What features do you believe to be most important to the success of the website? (click all that apply)
 - a. Search bar
 - b. Show status of application
 - c. Internal contact form to email administrators directly
 - d. Extra level of security for login
 - e. Like button to track engagement
 - f. Calendar with events
 - g. Email and text reminders/alerts
 - h. Student/company testimonies and reviews
 - i. Donation form
 - j. Other (write-in)
4. Do you prefer to use JMU colors?
 - a. Yes
 - b. No
5. Is there any feature on the current site you are willing to get rid of or do not feel that it serves a need?
 - a. Write in response
6. Do you think utilizing social media will be helpful in spreading awareness of the OSASG?
Please explain why.
 - a. Write in response
7. Is there anything else you would like to add?
 - a. Write in response

SURVEY

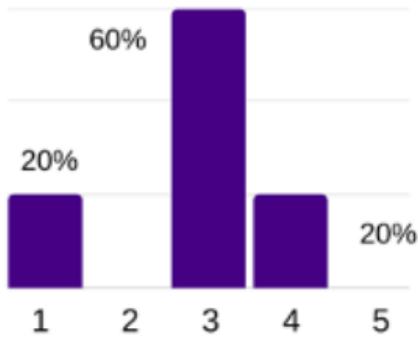
RESULTS

Survey Results

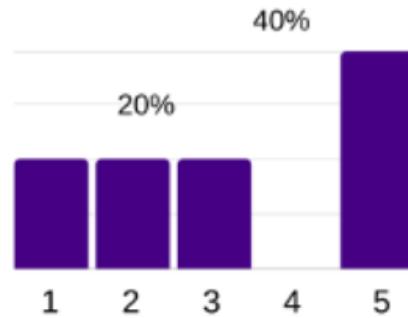
In total, we received feedback from five survey respondents.

Takeaways

- All survey participants would like to see a calendar on the site
- All survey participants would like to use the JMU Color scheme
- 80% of participants would like to see email/text reminders and alerts
- 60% of participants would like to see a search bar and donation form



Participants were asked to rate their satisfaction with the current website on a 5-point scale from 1: Not satisfied to 5: Very Satisfied



Participants were asked to rate their experience in using technology with the current website on a 5-point scale from 1: Inexperienced to 5: Very Experienced

"Simplicity is the most important factor in my opinion when designing an app for the Ole School"

-Survey Respondent

USER PERSONAS



GABRIELLE HENDERSON

PRIMARY PERSONA

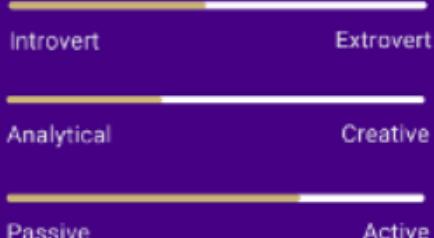
— BACKGROUND

Gabrielle is a sophomore JMU student majoring in Business Marketing. She is passionate about her field and wants to find opportunities that interest her while also building her resume. Her interests include running/hiking and spending time with friends.

— SKILLS / INTEREST

Tech Level	🎓🎓🎓🎓
Communication	📞📞📞📞
Interest	💡💡💡💡

— PERSONALITY



GOALS

- To find opportunities to join clubs or apply for jobs that are catered to her background & personal interests
- To get involved & make connections
- To help build her resume

FRUSTRATIONS

- Doesn't know where to look on the website to find opportunities for mentorship/her specific needs
- When she submitted the request for a mentor, there was no confirmation that Ole School received it
- Hard to get in touch with administration

QUOTE

"I want to get more involved in the JMU community and I need some guidance!"

PRIMARY PERSONA



MICHAEL JONES

SECONDARY PERSONA

— BACKGROUND

Michael is an Ole School Admin from JMU in the class of '84 with a Bachelor's degree in Business Administration. He currently lives in Richmond, Virginia but travels to and from Harrisonburg to attend OSASG events and spend time with scholars.

— SKILLS / INTEREST



— PERSONALITY



GOALS

- To help OSASG with their community engagement
- To spread awareness on the new opportunities the Ole School is presenting
- To connect students with internship programs that spark their interest

FRUSTRATIONS

- The current website makes it hard to contact students
- Deadlines are being missed
- Has a hard time communicating with students and other admin when there is no system in place
- Has to check spam email constantly

QUOTE

"I wish our website could not only help students to apply to our internship program but serve as a platform for communication, too."

SECONDARY PERSONA

USER PERSONAS



JOHN HANCOCK

TERTIARY PERSONA

GOALS

- To see what students are a part of OSASG and what their background is.
- To sign up for opportunities and events that OSASG holds.

FRUSTRATIONS

- Has troubles finding out when and what events the group holds.
- Wants to stay informed with the group and who is in it but hasn't found a way to stay in touch with that information.

QUOTE

"I wish there was a way for me to stay informed on the Ole School Alumni Scholarship Group and have somewhere to easily access opportunities offered"

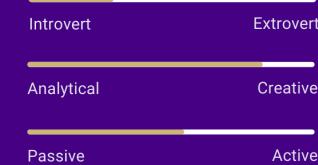
— BACKGROUND

John is a JMU Alumni who graduated in 2014 who is interested in staying in the know of the Ole School Alumni Group students and events that the group is holding. He currently works in Harrisonburg and is interested in getting back involved in his alma mater and attend more events.

— SKILLS / INTEREST



— PERSONALITY



TERTIARY PERSONA

USER STORIES



Student

- As a student, I want to upload my resume and apply for the OSASG student scholarship so that I can receive financial help at JMU
- As a student, I want to "like" and save pages for later so that I can check my status of my application overtime



Admin

- As an administrator, I would like to manage and oversee all accounts made, so that I can stay organized



Member

- As a member, I want to be able to search for students and view their information in one place.
- As a member, I want to be able to sign up for upcoming opportunities, and view events on the calendar.
- As a member, I want to view the analytics of jobs, scholarships, and internships engagement for each available.

VALUE PROPOSITIONS



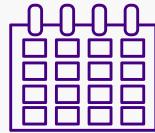
Individualization

Upload your resume, interests, and experience to your profile



Communication

Directly message hiring managers to schedule an interview



Organization

Stay organized with all your information in one place



Coordination

Helping you manage job applications with ease



Personalization

Browse jobs based on your location and interests

DESIGN REQUIREMENTS

DATA REQUIREMENTS

- Name
- Phone Number
- Email
- Type of user (Student, Member, Admin)

USER REQUIREMENTS

- View activity and posting on website dashboard
- Follow and like jobs and/or scholarships
- Search and apply to job and/or scholarships
- Engage with postings

FUNCTIONAL REQUIREMENTS

- Ability to create content postings
- Ability to create accounts
- Ability for students to like and following postings
- Ability for students to apply to jobs, internships, and/or scholarships
- Ability to search job, internship, and/or scholarship
- Ability to engage with posting

TECHNICAL REQUIREMENTS

- Functional and accessible for Students, Members, and Admin
- Security of all personal and website data

OBJECT-ORIENTED PROGRAMMING

NATURE OF THE SYSTEM

The code developed by MadisonSoft for The Ole School Alumni Group utilizes MS SQL Server and .Net framework with C# and Bootstrap that is hosted on AWS. Object-oriented features of the system include specific use of ASP.net web forms and master pages, C# classes for system privacy features, and Bootstrap for the user interface design.

ASP.net master pages and web forms have provided the template to develop uniform pages throughout the system for consistency. When implementing a master page, we have been able to reuse features throughout the system while adjusting aspects to customize it for the necessary requirements on each page. Web forms have also allowed us to offer consistent design options for the user when opening each form through matching pages for ease of use.

In C#, we used a class to hash user passwords, for security purposes, when logging into the system. This class protects the privacy of each user password through converting passwords into irreversible strings once entered.

Bootstrap framework is used throughout the system to implement a visually appealing front-end design for users. Through Bootstrap's flexibility, the system is able to implement cohesive design elements such as buttons, themes, and more.

PROTOTYPE

ADMIN PROTOTYPE:

<https://xd.adobe.com/view/9bd75eba-3905-4608-b690-33e7680c0974-ce84/>

STUDENT PROTOTYPE:

<https://xd.adobe.com/view/f4dfcd8b-de75-4e9b-8c97-3c3d9d5f22d0-a18c/>

HOME PAGE

The screenshot shows the homepage of the Ole School Alumni Scholarship Group. At the top left is the logo 'OLE SCHOOL ALUMNI' with 'Scholarship Group' underneath, featuring a graduation cap icon. At the top right are links for 'Sign In', 'Home' (which is underlined), 'Mission', 'Events', 'Past Awardees', 'Donations', and 'Contact Us'. The main title 'Ole School Alumni Scholarship Group' is centered above a large, scenic photograph of a university campus with red-roofed buildings and green lawns, set against a backdrop of mountains. Below the photo is a call-to-action text: 'Scholarship | Mentorship | Community' followed by the subtitle 'An alumni group dedicated to the diversity and enrichment of the JMU student body'.

PROTOTYPE

The screenshot shows the 'Events' section of the website. At the top, there is a navigation bar with links: Home, Mission, **Events**, Past Awardees, Donations, and Contact Us. On the far right, there is a 'Sign In' link. Below the navigation, the title 'Upcoming Events' is centered. The main content area features an event calendar for April. The calendar grid shows days from Monday to Sunday. An event box is highlighted on Friday, April 6th, with the text 'COB Speaker Event 7:30-8:30'. Navigation buttons for 'Month view', 'Week view', and 'Day view' are located above the calendar.

EVENTS
PAGE

EVENT
INFO
PAGE

The screenshot shows the 'Speaker Event Information' page for Mary Taylor. At the top, there is a navigation bar with links: Home, Mission, **Events**, Past Awardees, Donations, and Contact Us. On the far right, there is a 'Sign In' link. Below the navigation, the title 'Speaker Event Information' is centered. A back-link '[Back to Calendar](#)' is present. The main content area features a logo for 'COLLEGE OF BUSINESS JAMES MADISON UNIVERSITY' and the text 'JMU College of Business Event – Mary Taylor'. Below this, the event details are listed: '7:30pm - 8:30pm | Hartman Hall 2091'. A descriptive paragraph follows: 'Mary Taylor, JMU College of Business Alumni comes to speak about her career in the business world after graduation from the school 5 years ago. Join to listen to her speak and the opportunity to ask questions about post-grad life and working in the business world'.

PROTOTYPE



Welcome to The Ole School Alumni
Scholarship Group

First Name

Last Name

Email

I accept the Terms of Use.

Create Student Account

Create Member Account

Already Have an Account? **Sign in**

**CREATE
ACCOUNT
PAGE**

**LOGIN
PAGE**



Ole School Alumni Scholarship Group Sign in

Email

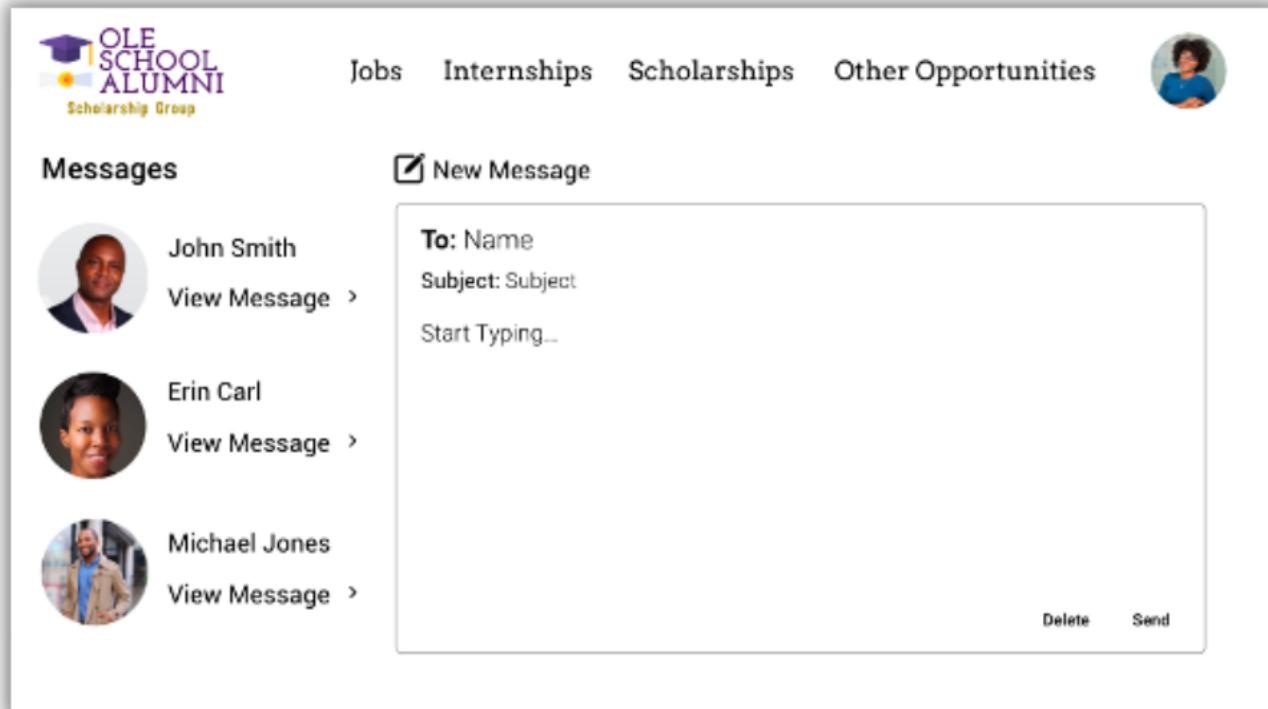
Password

Login

Don't Have an Account? **Join Now**

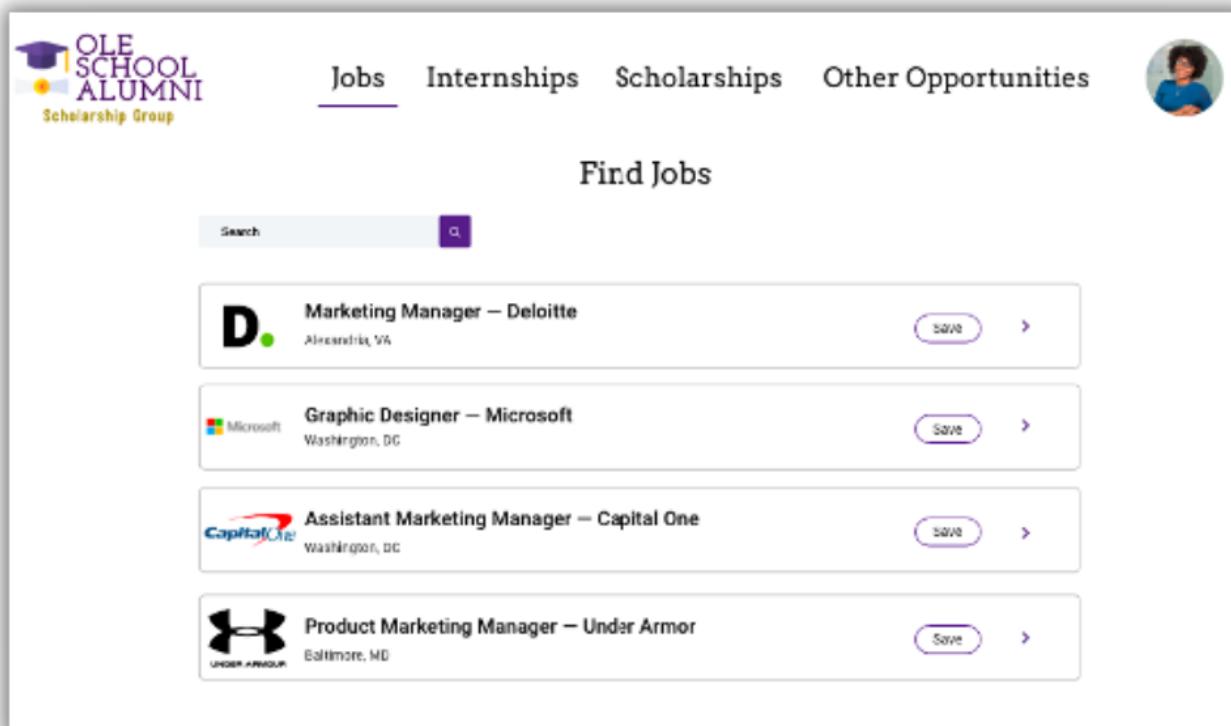
PROTOTYPE

MESSAGES PAGE



The prototype for the Messages page features a header with the "OLE SCHOOL ALUMNI Scholarship Group" logo and navigation links for Jobs, Internships, Scholarships, and Other Opportunities. A user profile picture is in the top right. The main area is divided into two sections: "Messages" on the left and "New Message" on the right. The "Messages" section lists three contacts with their profile pictures, names, and "View Message" links. The "New Message" section contains fields for "To: Name" and "Subject: Subject", a text input field with placeholder "Start Typing...", and buttons for "Delete" and "Send".

FIND JOBS PAGE

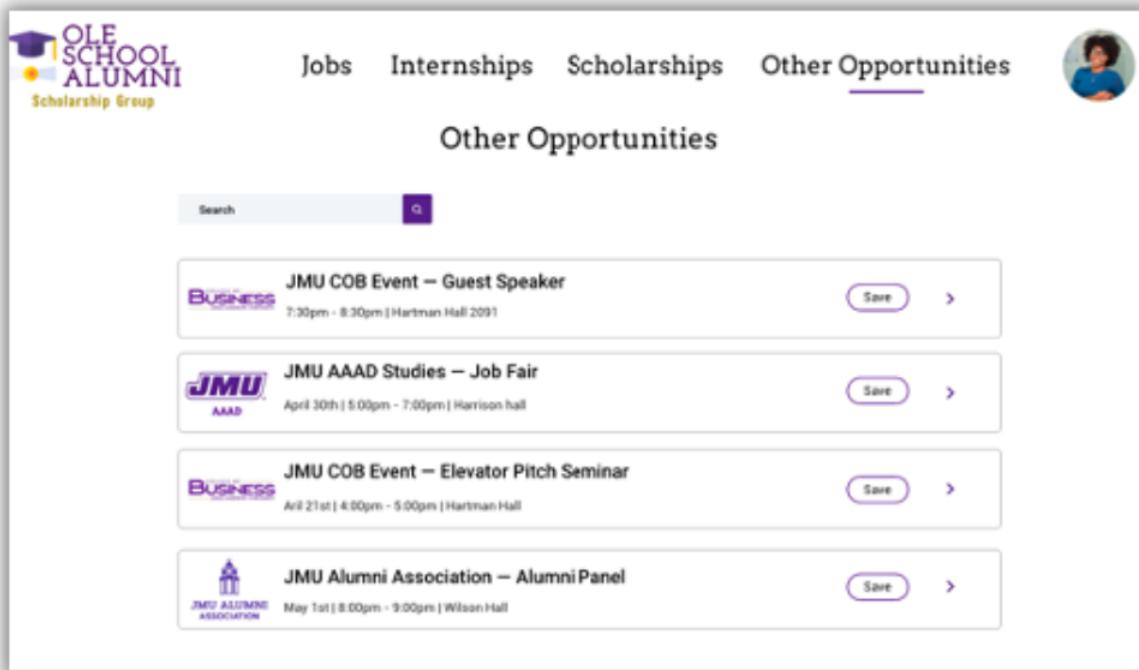


The prototype for the Find Jobs page includes a header with the "OLE SCHOOL ALUMNI Scholarship Group" logo and navigation links for Jobs, Internships, Scholarships, and Other Opportunities. A user profile picture is in the top right. Below the header is a search bar with a magnifying glass icon. The main content area displays four job listings in a grid format:

Logo	Job Title	Company	Location	Action
	Marketing Manager – Deloitte	Deloitte	Alexandria, VA	 >
	Graphic Designer – Microsoft	Microsoft	Washington, DC	 >
	Assistant Marketing Manager – Capital One	Capital One	Washington, DC	 >
	Product Marketing Manager – Under Armor	Under Armor	Baltimore, MD	 >

PROTOTYPE

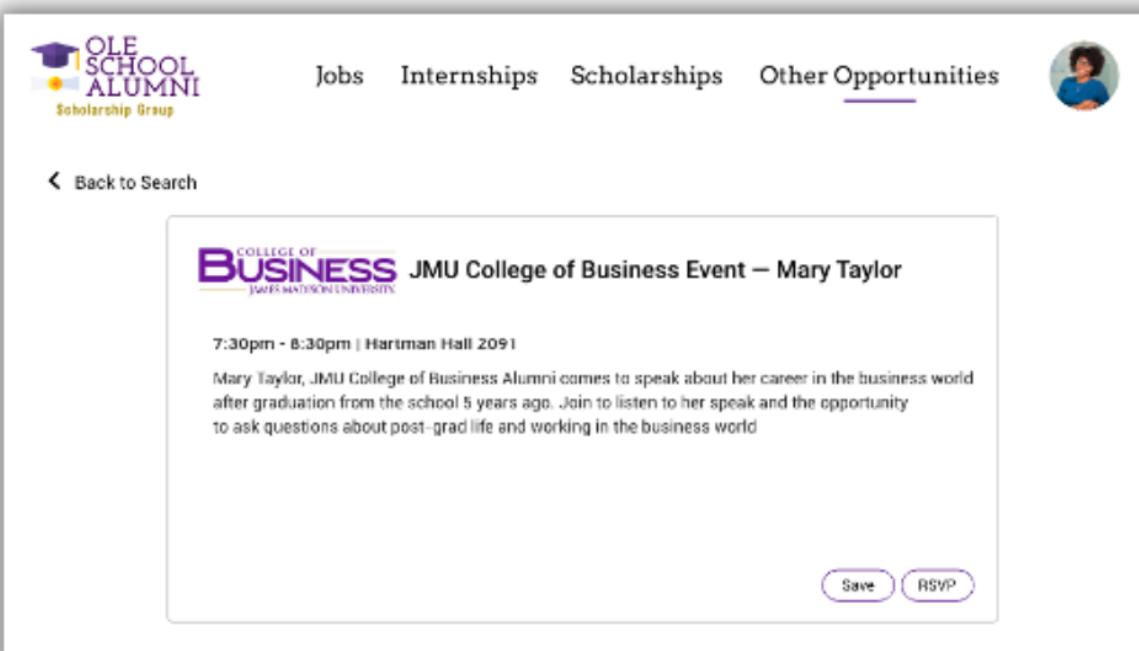
OTHER OPPORTUNITIES PAGE



The screenshot shows a website header for "OLE SCHOOL ALUMNI Scholarship Group". Below the header, there are navigation links for "Jobs", "Internships", "Scholarships", and "Other Opportunities", with "Other Opportunities" being underlined. A circular profile picture of a woman is on the right. The main content area is titled "Other Opportunities" and features a search bar. Below the search bar are four event cards:

- JMU COB Event – Guest Speaker**
BUSINESS
7:30pm - 8:30pm | Hartman Hall 2091
[Save](#) [View](#)
- JMU AAAD Studies – Job Fair**
JMU AAAD
April 30th | 5:00pm - 7:00pm | Harrison hall
[Save](#) [View](#)
- JMU COB Event – Elevator Pitch Seminar**
BUSINESS
April 21st | 4:00pm - 5:00pm | Hartman Hall
[Save](#) [View](#)
- JMU Alumni Association – Alumni Panel**
JMU ALUMNI ASSOCIATION
May 1st | 8:00pm - 9:00pm | Wilson Hall
[Save](#) [View](#)

OPPORTUNITY INFO PAGE



The screenshot shows a website header for "OLE SCHOOL ALUMNI Scholarship Group". Below the header, there are navigation links for "Jobs", "Internships", "Scholarships", and "Other Opportunities", with "Other Opportunities" being underlined. A circular profile picture of a woman is on the right. There is a back navigation link "[Back to Search](#)". The main content area displays information for an event:

COLLEGE OF BUSINESS JMU College of Business Event – Mary Taylor
JAMES MONTGOMERY UNIVERSITY

7:30pm - 8:30pm | Hartman Hall 2091

Mary Taylor, JMU College of Business Alumni comes to speak about her career in the business world after graduation from the school 5 years ago. Join to listen to her speak and the opportunity to ask questions about post-grad life and working in the business world

[Save](#) [RSVP](#)

WIREFRAME MOCKUPS

DASHBOARDS

Student Dashboard

	Name: <input type="text" value="Text Name"/>
	Biography: <input type="text" value="Text Biography"/>
Phone:	<input type="text" value="Text Phone"/>
Email:	<input type="text" value="Text Email"/>
Graduation Year:	<input type="text" value="Text Graduation year"/>
Email:	<input type="text" value="Text Email"/>

Navigation

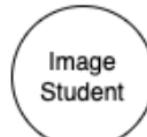
Messages

Application

Resume

STUDENT
DASHBOARD

Member Dashboard

	Name: <input type="text" value="Text Name"/>
	Biography: <input type="text" value="Text Biography"/>
Phone:	<input type="text" value="Text Phone"/>
Email:	<input type="text" value="Text Email"/>

Navigation

View Students

View Applications

View Resumes

MEMBER
DASHBOARD

WIREFRAME MOCKUPS

APPLICATION PAGES

Return to Dashboard

Your Applications

Internships Job Scholarship

	1st Internship Title
1st Company Logo	1st Internship Description
	2nd Internship Title
2nd Company Logo	2nd Internship Description
	3rd Internship Title
3rd Company Logo	3rd Internship Description

INTERNSHIP

Return to Dashboard

Your Applications

Internships Job Scholarship

1st Scholarship Description	Date Applied	Status
2nd Scholarship Description	Date Applied	Status
3rd Scholarship Description	Date Applied	Status

SCHOLARSHIP

Return to Dashboard

Your Applications

Internships Job Scholarship

	1st Job Title
1st Company Logo	1st Job Description
	2nd Job Title
2nd Company Logo	2nd Job Description
	3rd Job Title
3rd Company Logo	3rd Job Description

JOB

WIREFRAME MOCKUPS

SEARCH PAGES

Find Internships

Internship Position Search **Go!**

Company Logo Internship Information Summary **Save to Profile**

Company Logo Internship Information Summary **Save to Profile**

INTERNSHIP

Find Scholarships

Search **image**

Image Company Logo Text Information **Save to Profile**

Image Company Logo Text Information **Save to Profile**

SCHOLARSHIP

Find Jobs

Job Position Search **Go!**

Company Logo Job Information Summary **Save to Profile**

Company Logo Job Information Summary **Save to Profile**

JOB

WIREFRAME MOCKUPS

Return to Student Dashboard

Resume Page

Upload Resume

View Your Resume

R E S U M E P A G E

M E S S A G E S P A G E

Messages Dashboard

Conversation 1

Conversation 2

Conversation 3

Conversation 4

Conversation 5

Conversation 6

New Message

Name

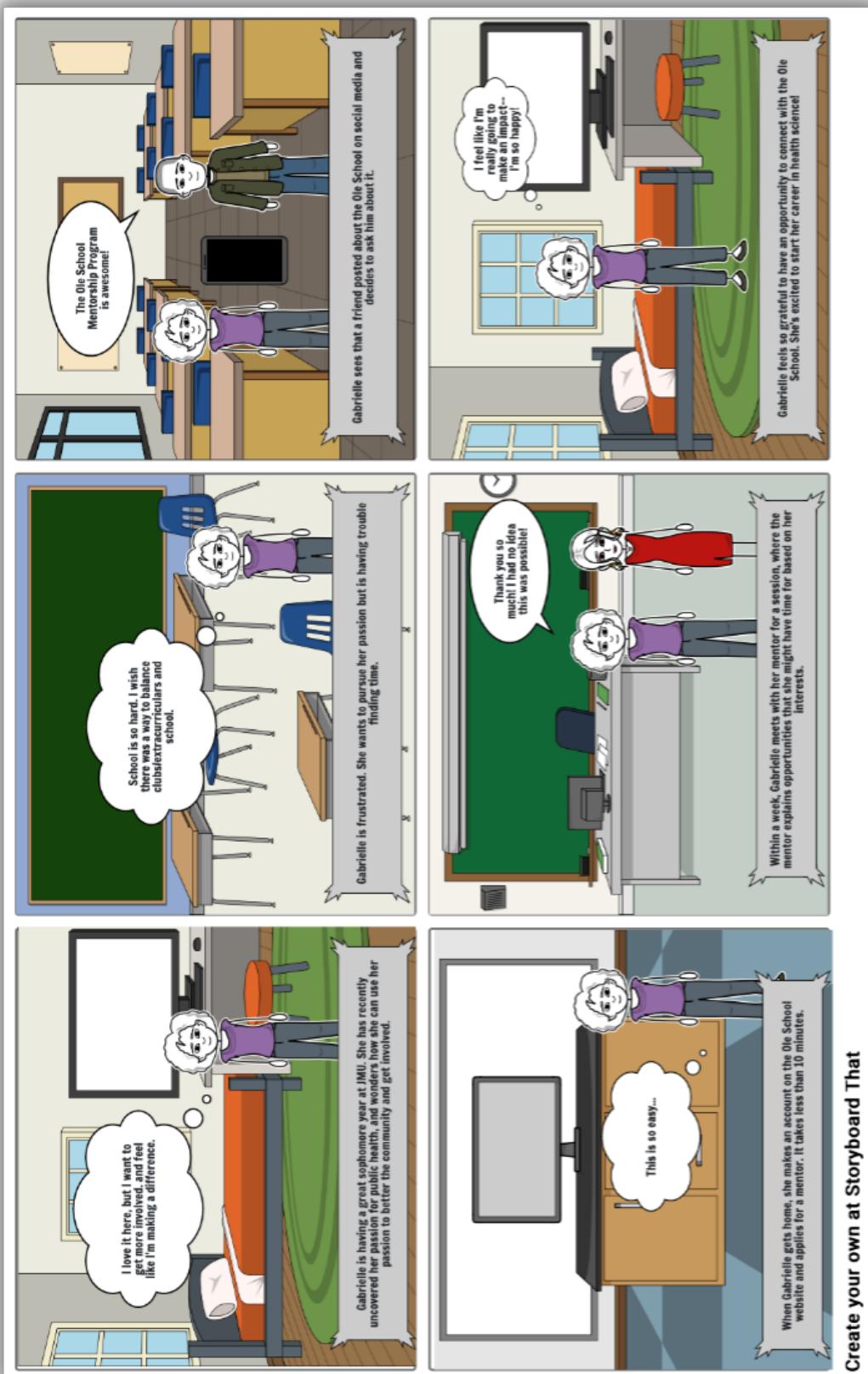
Subject

Content

Delete

Reply

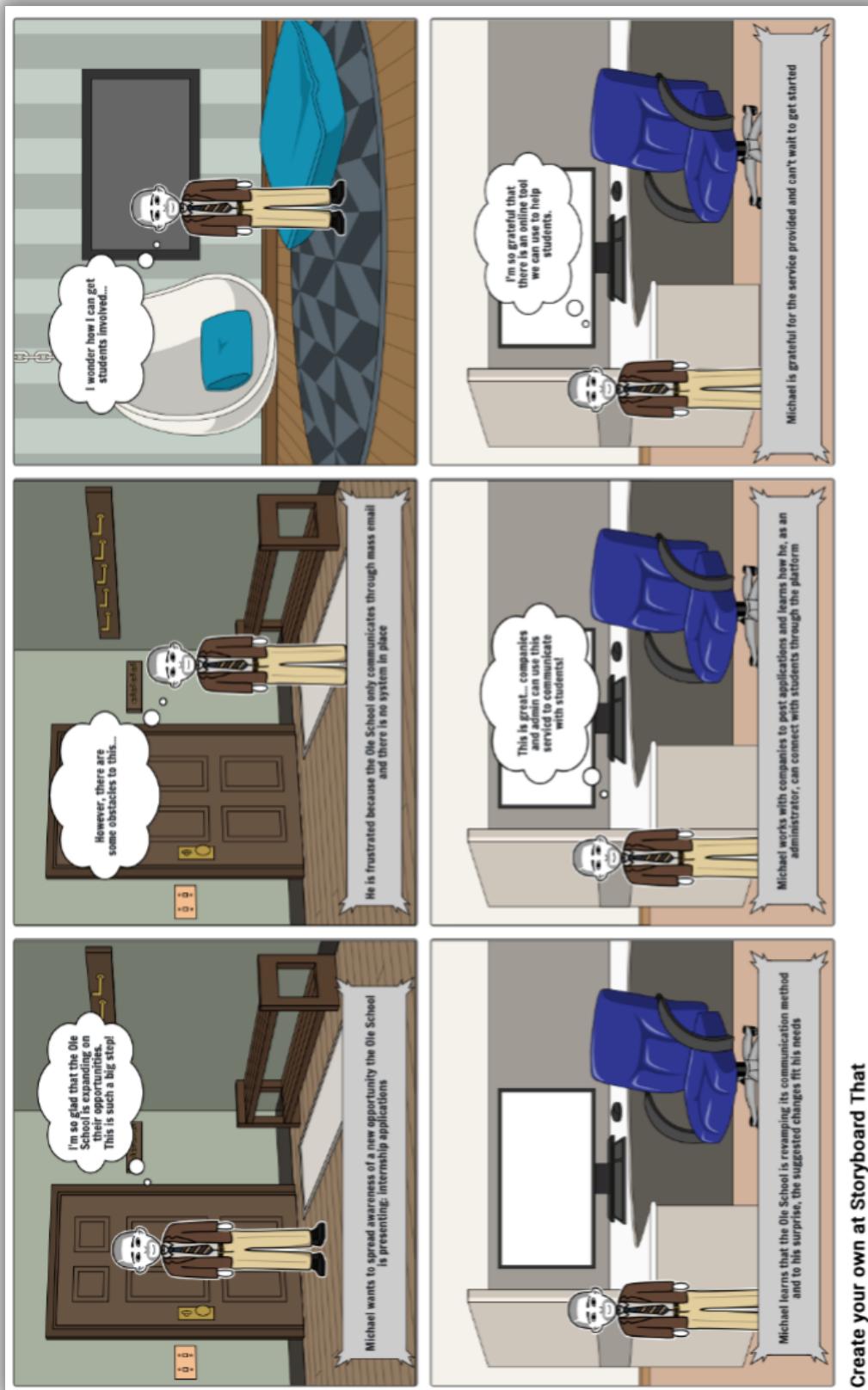
STORYBOARD



Create your own at [Storyboard That](#)

PRIMARY PERSONA

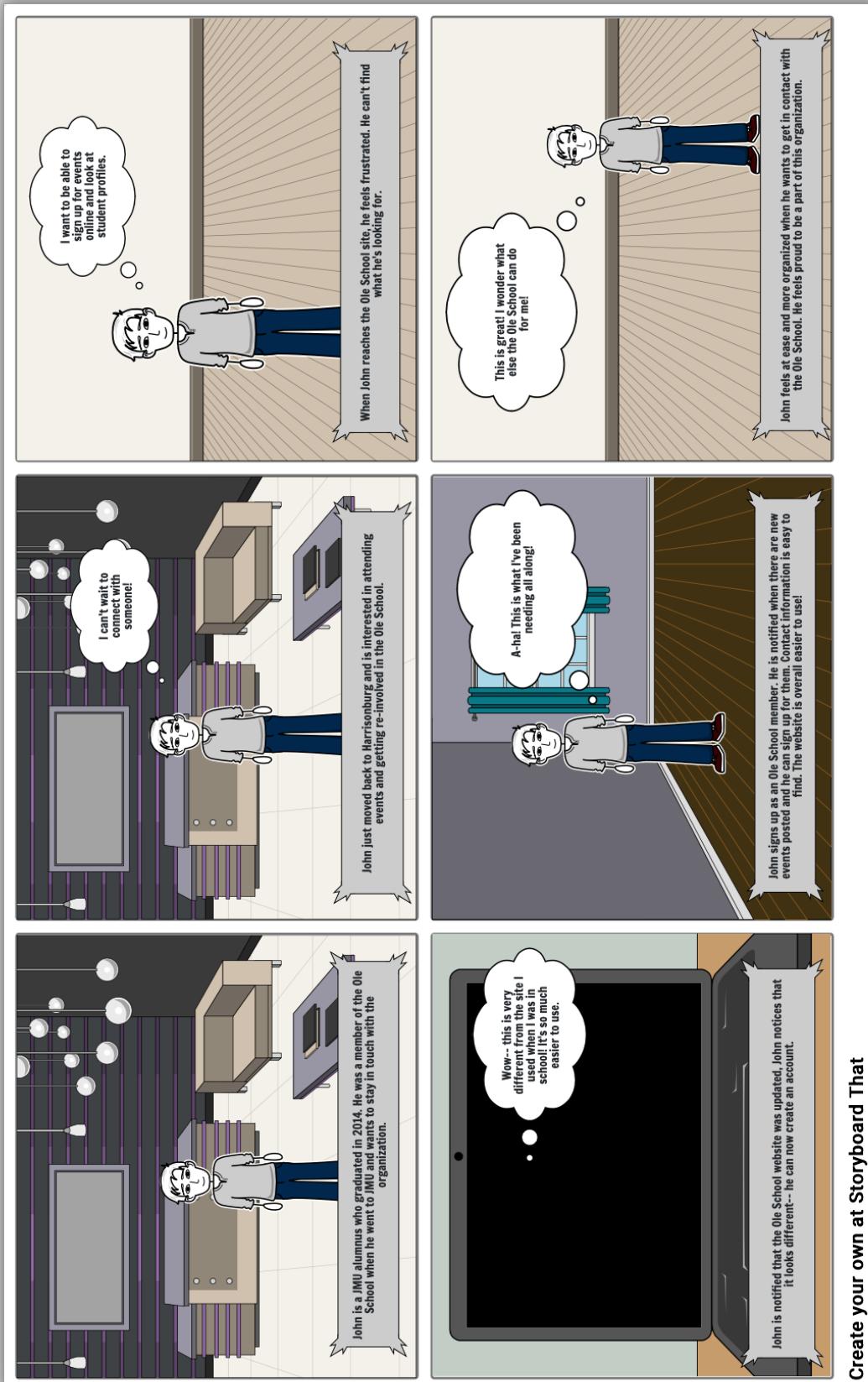
STORYBOARD



Create your own at [Storyboard That](#)

SECONDARY PERSONA

STORYBOARD

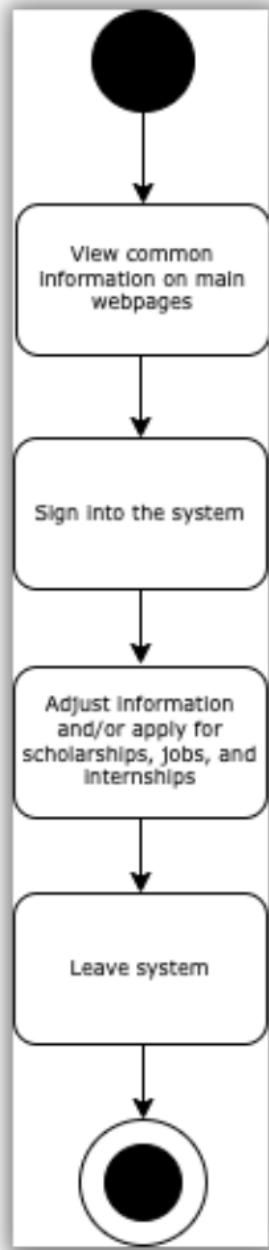


Create your own at [Storyboard That](#)

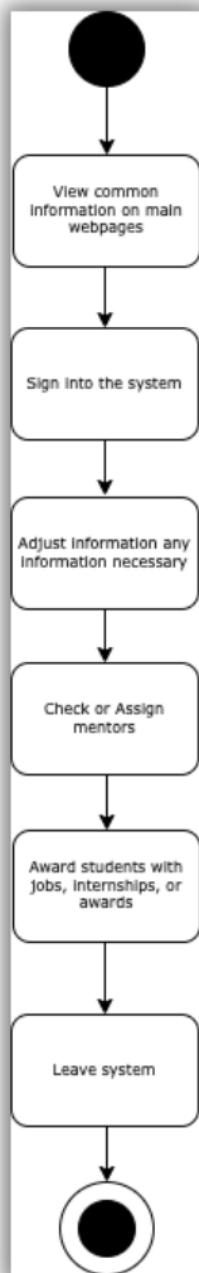
TERTIARY PERSONA

INFORMATION ARCHITECTURE

Student



Member



HIGH-LEVEL USER FLOWS

OLE SCHOOL ALUMNI
Scholarship Group

BRANDING GUIDELINE

Primary Colors:

- #450084
- #cb0677
- #333333

Secondary Colors:

- #b599ce
- #4lefef
- #d6d6d6

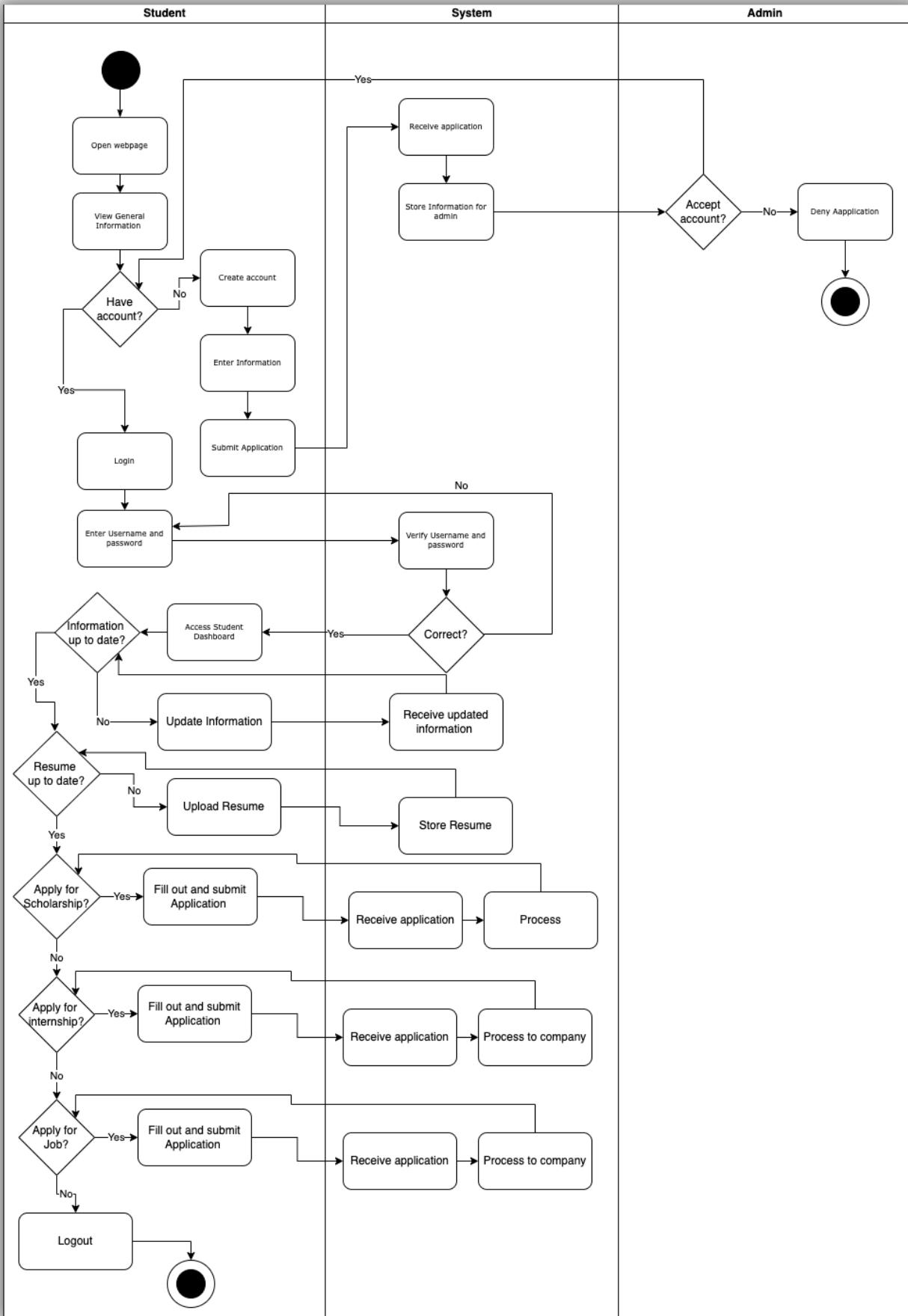
PRIMARY HEADING: NOURD BOLD
Secondary Heading: Nourd
Body Text: Nourd Light

BRANDING GUIDELINE

DESIGN GUIDELINES

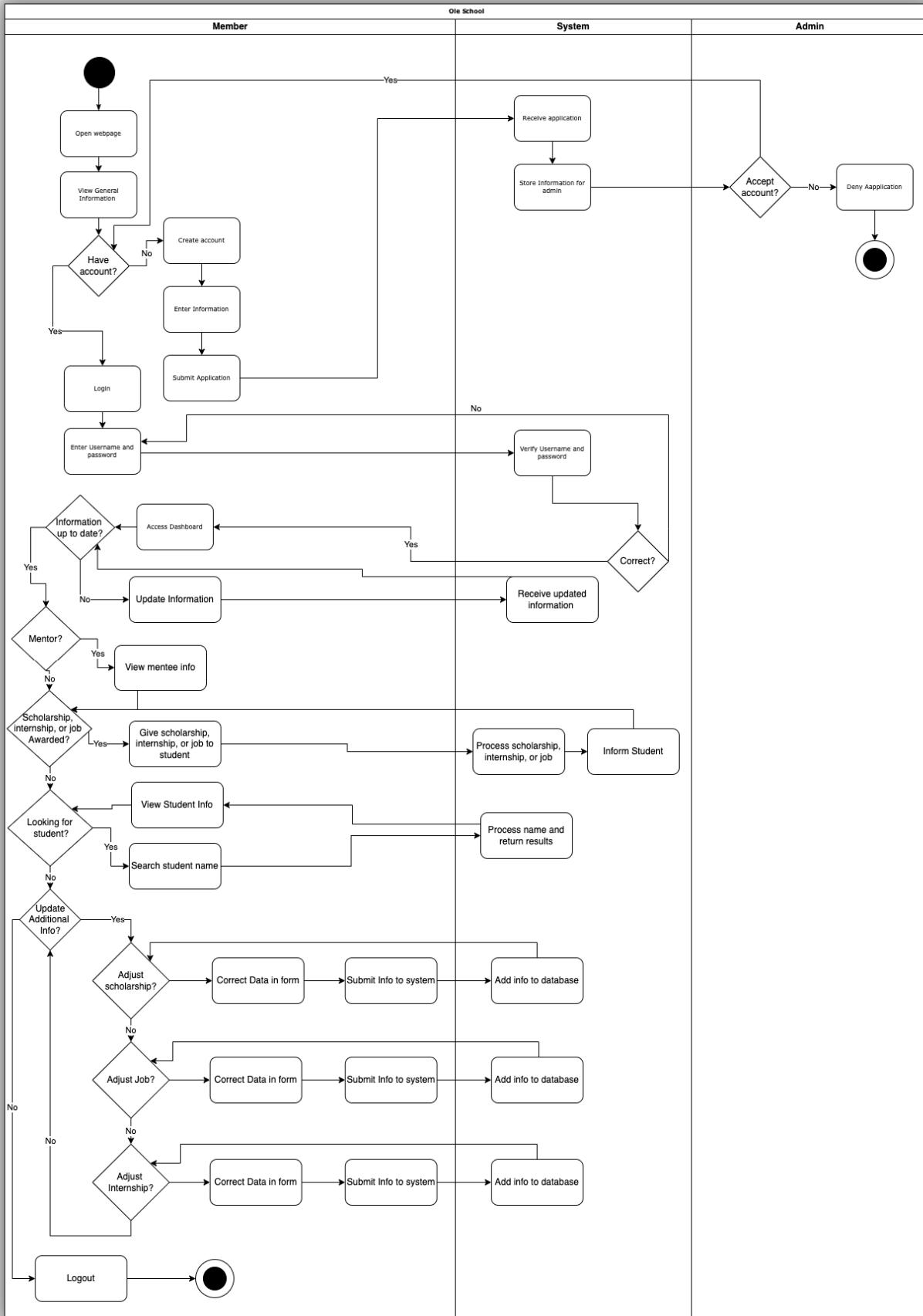
INFORMATION ARCHITECTURE

LOW-LEVEL STUDENT PROCESS MODEL



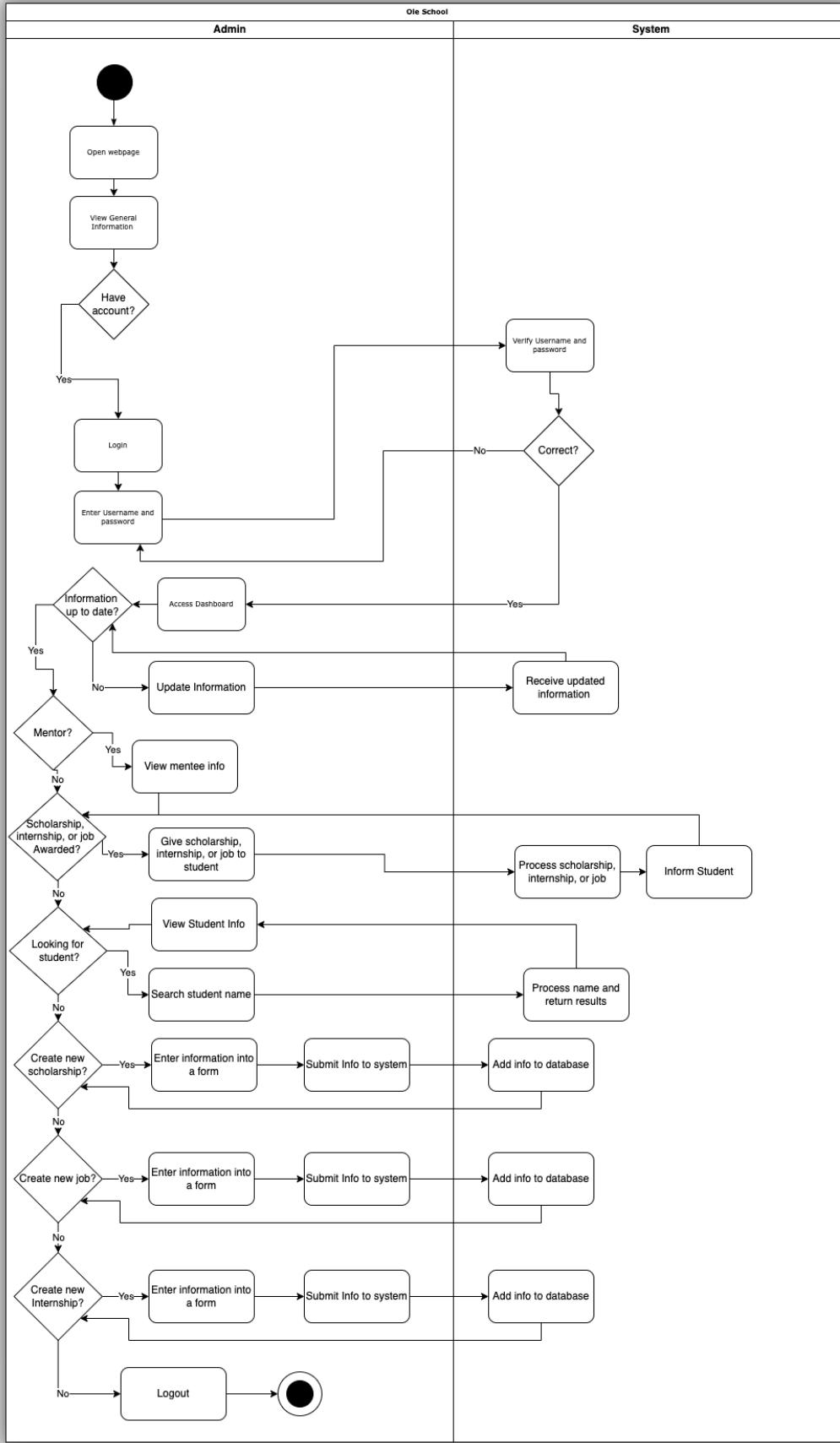
INFORMATION ARCHITECTURE

LOW-LEVEL MEMBER PROCESS MODEL



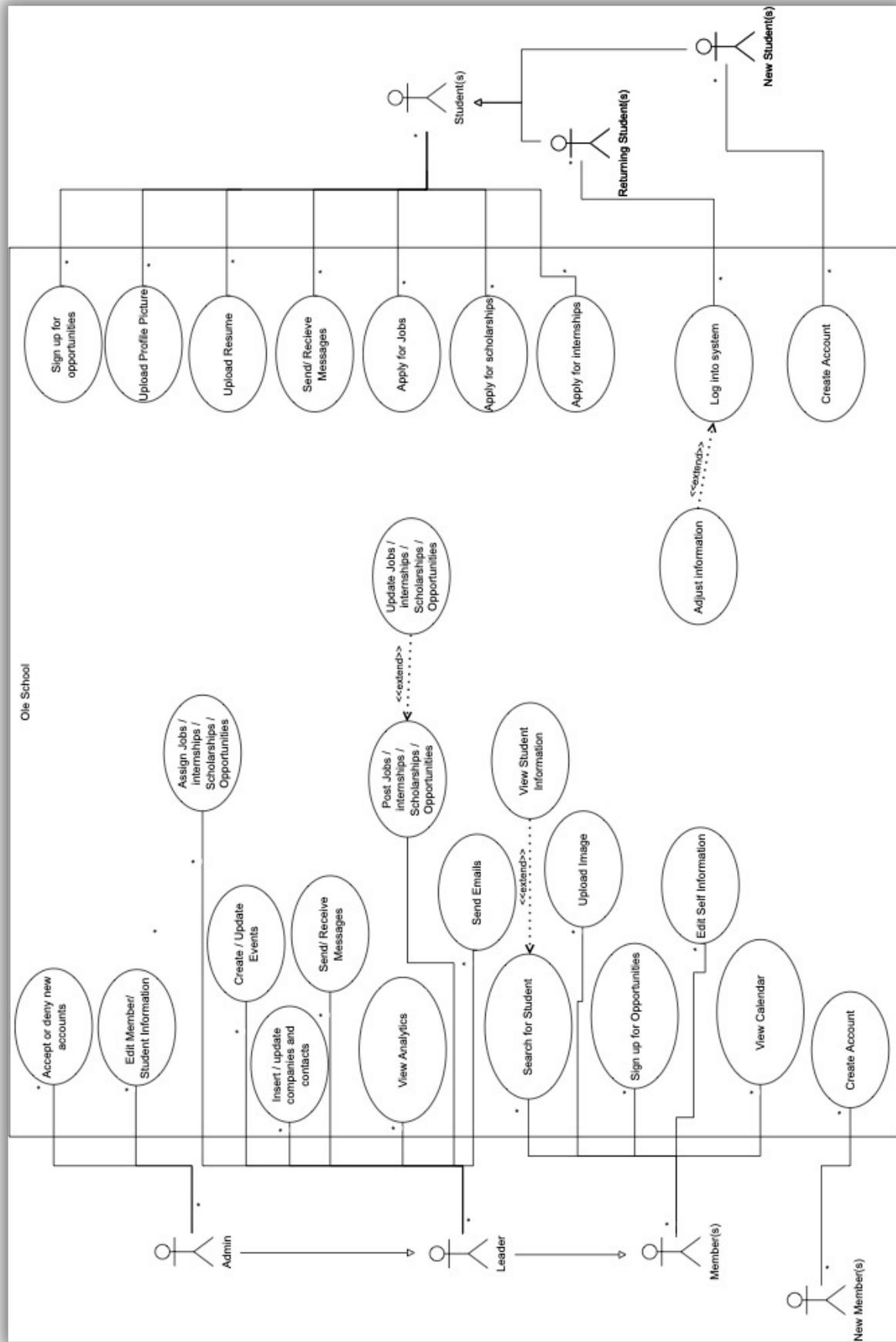
INFORMATION ARCHITECTURE

LOW-LEVEL ADMIN PROCESS MODEL



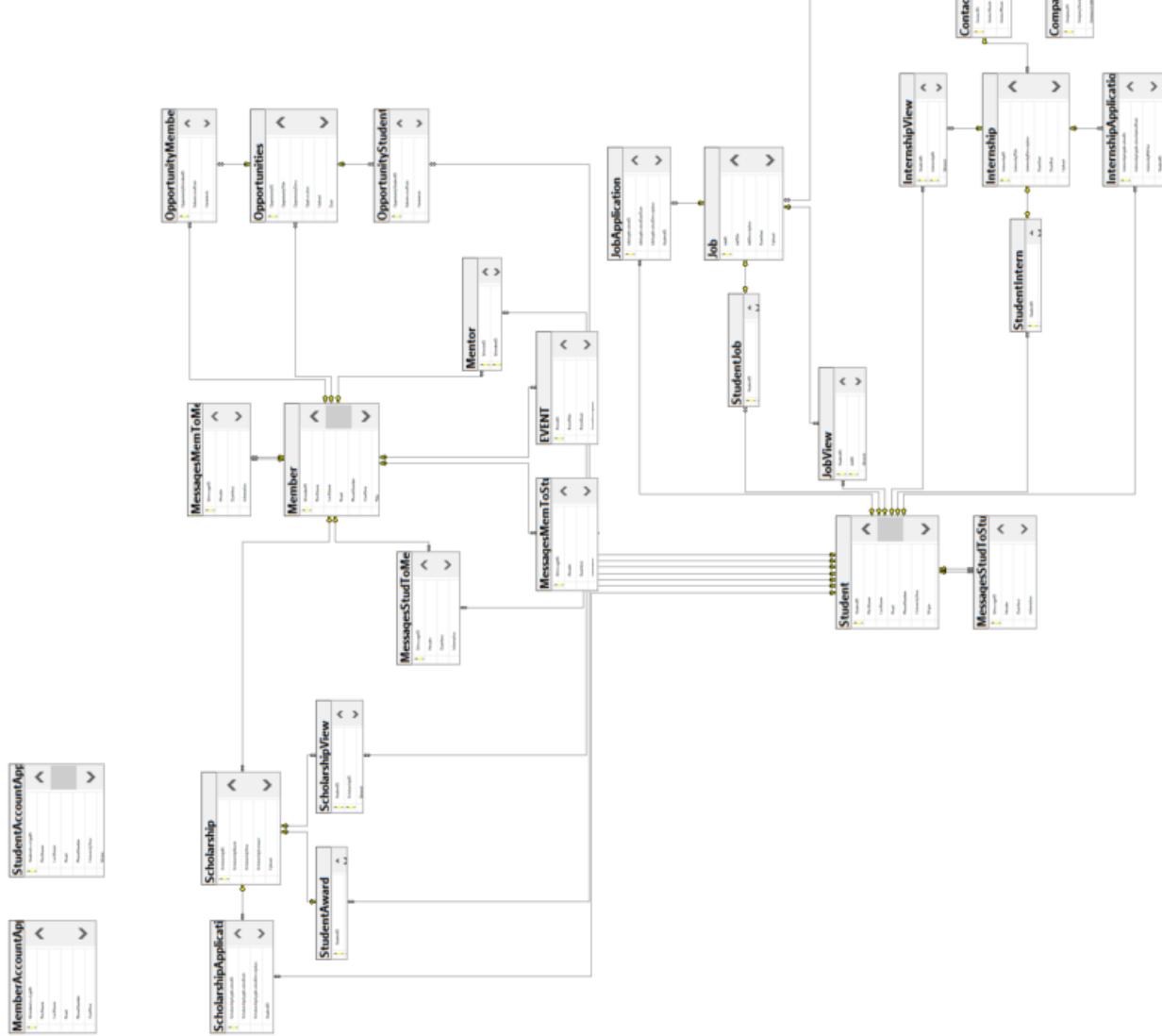
INFORMATION ARCHITECTURE

USE CASE DIAGRAM



INFORMATION ARCHITECTURE

ENTITY RELATIONSHIP DIAGRAM



LIVE DEMONSTRATION

KEY FEATURES

STUDENT FEATURES

- Message other students and mentors
- View their own profile, edit their profile
- Apply for internships, jobs, scholarships - like these opportunities

ADMIN FEATURES

- Can see analytics
- Can add, edit, or view scholarships, jobs, internships
- Approve student, member credentials
- Message student and members
- Search for student
- Edit, view, add company contacts, and events

BASIC SITE FEATURES

- Home
- Mission
- Events
- Award Winners
- Donations
- Contact Us

LIVE DEMONSTRATION

GETTING STARTED

The current system has four main places to begin. There is only one login button to access the four different users. Definitions for each type will be provided below along with at least one user log in. Outside of the login system, there are web pages that are available for any person to view, so that information can be publicly distributed to people that are not directly connected to Ole School.

STUDENT STEPS

Students are separate from the three other user types of members because they have their own separate pages and features. Students are the only ones that can apply for scholarships, jobs, and internships. They can upload resumes that will be used when they apply for jobs because they will be automatically sent through the program to the leader or admin that views their application. Furthermore, Students can view dates on the calendar just like every other person in the system and they can sign up for opportunities.

For both members and students signing up for an opportunity will create analytics that will be used to show exactly who is going to attend an event, so that there can be an estimate of the amount of space and chairs required for the events. Unlike members, students can message one another, as well as message leaders and admins. This would be very important for conveying information, especially between mentors and mentees. The username and password for the Student is listed below:

Username: robinst
Password: JMUDukes

LIVE DEMONSTRATION

GETTING STARTED

ADMIN STEPS

The 'Admin' is the highest-ranking user in the entire system. The admin has access to every single feature that can be assigned to a member. This includes assigning mentors to students, accepting applications, giving jobs and internships, messaging, sending emails, view analytics, edit and create information for the system, and more. The username and password for the Admin is listed below:

Username: admin

Password: password

LEADER STEPS

Leaders are the middle tier for members, and they include the people along with admins that should be mentors. The Leader position also has numerous features, similar to the admin. However, they do not have the ability to accept or deny applications, edit students or users, or assign mentors. The username and password for the Leader is listed below:

Username: muske

Password: DukesOfJMU

MEMBER STEPS

A Member is the lowest tier of all the members. These people do not have anywhere near the functionality of the other two tiers since they are not as directly involved as the others in the organization. They do not have the ability to assign anything or create any data. They still can search for students, sign up for opportunities, view analytics, and view the calendar. This group has baseline functionality but can still view important information. The username and password for the Member is listed below:

Username: earhara

Password: Showker

LIVE DEMONSTRATION

HOME PAGE

Scholarship | Mentorship | Community

An alumni group dedicated to the diversity and enrichment of the JMU student body



The Home Page is set up to be displayed regardless of login ability. It features fully functional Home, Mission, Events, Award Winners, Donations, and Contact us buttons.



Meet the Leadership Team

The group of alumni and friends committed themselves to giving back to JMU specifically in support of African American recruitment and retention efforts. The effort was initiated to stimulate and increase the growth and development of the JMU African American students.



Derek Steele
President / Co Founder



Charles May
Co Founder



Angela L. Russel
Life Coach / Mentor



Marvin Smith
Treasurer

LIVE DEMONSTRATION

MISSION PAGE

Our Mission

The Ole School Alumni Group prides itself on being a visionary, leader, advocate, and catalyst!



This page describes how we want our clients to view us, and what we are trying to accomplish.

Interested in applying to JMU and the OSAG Scholarship?

Please be sure to fill out the JMU Student Identification Form below and we will be in contact with you!

[Student ID Form](#)

The Ole School Alumni Scholarship Group is comprised of James Madison University African American alumni spanning over 40 years. They focus on African Americans to support JMU and is also active in the community both individually and collectively as leaders and advocates for African American higher education and professional success. A contribution to the endowment of the Ole School Alumni Group helps to guarantee continuing support to African Americans at JMU for many years to come, which in turn, helps to open doors of opportunity to many underrepresented students who would otherwise be unable to pursue education at a top tier University.



LIVE DEMONSTRATION

STUDENT-SIDE CONTENT

STUDENT SIGN-UP

The screenshot shows a website for the Ole School Alumni Scholarship Group. The header features a logo with a yellow and blue emblem and the text "ALUMNI Scholarship Group". Below the header, there is a navigation bar with links for Home, Mission, Events, Award Winners, Donations, and Login. The main content area is titled "Create Student Account" and contains fields for First Name, Last Name, Email Address, Phone Number, University Year, Major, Grad Year, Username (with a "Required" label), Password (with a "Required" label), and Re-Enter Password. There are also two checkboxes: one for acknowledging public visibility of information and another for signing up for emails. A "Submit" button is at the bottom. The footer includes social media icons for Facebook and Twitter, an email address (oleschoolalumni@gmail.com), a phone number (757-651-1751), and a copyright notice (©2022 Madisoft - Ole School Alumni Scholarship Group).

Create Student Account

First Name:

Last Name:

Email Address:

Phone Number:

University Year(Ex. Senior, Junior, Sophomore, Freshman):

Major:

Grad Year(Ex. 2022):

Username: Required

Password: Required

Re-Enter Password:

I acknowledge my information will be public to members of The Ole School Group

Sign up for emails

oleschoolalumni@gmail.com | 757-651-1751

©2022 Madisoft - Ole School Alumni Scholarship Group.

A user may create their account where they are prompted to enter their personal information as well as create a username and password. There is also an option to acknowledge that their personal information will be visible to members of the organization.

LIVE DEMONSTRATION

ADMIN-SIDE

The screenshot shows the Ole School Alumni Scholarship Group Admin-Side dashboard. At the top, there's a purple header with the group's logo and navigation links for 'Dashboard' and 'Logout'. Below the header, a message notification says 'Hello admin' and 'Send Email to All Students or Members' with buttons for 'Email Students' and 'Email Members'. Another section for 'Send Email to Individual Students or Members' has buttons for 'Send Message' to Student and Member. A 'Messages' section displays two notifications: one from a member named 'henry' and another from a student named 'test'. The footer includes social media icons for Facebook and Twitter, the email address 'oleschoolalumni@gmail.com | 757-651-1751', and a copyright notice: '©2022 Madisoft - Ole School Alumni Scholarship Group.'

MESSAGING

We have a fully functioning ability to send and receive messages to students or members. The message can be composed to a direct recipient, with a title and message body separated automatically.

STUDENT-SIDE

The screenshot shows the Ole School Alumni Scholarship Group Student-Side dashboard. It features a purple header with the group's logo and navigation links for 'Dashboard' and 'Logout'. A message notification greets 'Hello Robinst' and provides options to 'Send Message' to Student or Member. A 'Messages' section shows notifications from a member ('Meeting agenda') and a student ('Hey'). The footer includes social media icons, the email address 'oleschoolalumni@gmail.com | 757-651-1751', and a copyright notice: '©2022 Madisoft - Ole School Alumni Scholarship Group.'

LIVE DEMONSTRATION

STUDENT-SIDE CONTENT

The screenshot shows a list of job opportunities:

Title	Company	Start Date	Additional Info
Software development and implementation	Apple	5/1/2022 12:00:00 AM	More Info
Hardware Design	Apple	5/10/2022 12:00:00 AM	More Info
Penetration Testing	Microsoft	6/1/2022 12:00:00 AM	More Info
Software development	Microsoft	7/1/2022 12:00:00 AM	More Info
Game Development	Sony	5/13/2022 12:00:00 AM	More Info
Audio Hardware Design	Sony	5/17/2022 12:00:00 AM	More Info

APPLICATION PROCESS

Students may view all of the upcoming opportunities and then apply for individual positions. There are options for filtering the available options upon viewing to update their view. Once the opportunity is selected, the ability to like the opportunity or apply directly is linked under the buttons.

Job Title: Software development and implementation

Job Description: You will be asked to complete jobs working with various types of programs

Starting Date: 5/1/2022 12:00:00 AM

Upload Date: 5/19/2022 12:00:00 AM

Company: Apple

Company Address: 1 Apple Park Way

Contact: Steve Jobs

Contact Phone: (505)913-2147

Contact Email: Jobs@apple.com

[Like](#) [Apply](#) [Back](#)

f
oleschoolalumni@gmail.com | 757-651-1751
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LIVE DEMONSTRATION

ADMIN-SIDE CONTENT

ANALYTICS

Users have the ability to view analytics numbers for all opportunities posted, including which students viewed and liked the opportunity. In addition, total views, individual user views, and number of likes are calculated for cumulative totals.

Title	Company Job Analytics
Software development and implementation	Apple More Info
Hardware Design	Apple More Info
Penetration Testing	Microsoft More Info
Software development	Microsoft More Info
Game Development	Sony More Info
Auto Hardware Design	Sony More Info
Software Configuration	Dell More Info
Beta Tester	Dell More Info
Cybersecurity Intern	Dell More Info
SQL Database Intern	Sony More Info
Engineering Intern	Toyota More Info
Safety Inspector/Tester	Toyota More Info

Title	Company Internship Analytics
Software implementation	Microsoft More Info
Hardware Tester	Dell More Info
IT Technician	Apple More Info
Software developer	Microsoft More Info
Game Developer	Toyota More Info
Python developer	Dell More Info
Software Tester	Apple More Info
JAVA Coder	Microsoft More Info
Cybersecurity Analyst	Dell More Info
Systems analyst	IBM More Info
Scrum Master	Toyota More Info
Cloud Practitioner	Dell More Info

Title	Year Scholarship Analytics
Zane Showker Excellence Award	2023 More Info
Truman Award	2023 More Info
Hartman Award	2025 More Info
IMB Award	2023 More Info
Freeman Award	2024 More Info
Sussex Grant	2023 More Info
Virginia Public College Grant	2025 More Info
Scouts Grant	2023 More Info
Gore Innovation Grant	2024 More Info
Brick Award	2023 More Info

Name of Opportunity

Software development and implementation

Total Views 11	Individual User Views 1	Number of Likes 1
-------------------	----------------------------	----------------------

People Viewed

StudentFullName
Taylor Robertson

People liked

StudentFullName
Taylor Robertson

[f](#)

oleschoolalumni@gmail.com | 757-651-1751

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LIVE DEMONSTRATION

ADMIN-SIDE CONTENT

APPROVING CREDENTIALS

The screenshot displays a user interface for managing account applications. It is divided into two main sections: "Student Applications" and "Member Applications".

Student Applications: This section shows a dropdown menu set to "adam noce" and a "View Student Account Info" button. Below these are two large, contrasting buttons: a green "Accept" button and a red "Deny" button.

Member Applications: This section shows a dropdown menu set to "Michael Duley" and a "View Member Account Info" button. Below these are two large, contrasting buttons: a green "Accept Member" button and a red "Deny Member" button.

At the bottom of the interface, there is a dark purple footer bar containing a Facebook icon and the email address "oleschoolalumni@gmail.com | 757-651-1751". Below the footer, a copyright notice reads "©2022 Madisoft - Ole School Alumni Scholarship Group."

Users may approve new student and member accounts so their credentials become valid to login. Before approving they may also view their details.

LIVE DEMONSTRATION

ADMIN-SIDE CONTENT

STUDENT SEARCHING

Hello admin

Student Search

Search Student

Image	First Name	Last Name	Email	Phone Number	University Year	Major	Graduation Year	User Name	Resumes
	Jade	Alien	On2duck@gmail.com	(202)918-2132	Sophomore	CIS	2024	Harwarj	Resume

[Home](#)

[f](#)

oleschoolalumni@gmail.com | 757-651-1751

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Users may search for a student to view their personal information, as well as download and view a copy of their resume.

COST ESTIMATES

AMAZON WEB SERVICES

AWS OFFERS A PAY-AS-YOU-GO APPROACH. THEREFORE, PAYMENT IS FOR THE SERVICES CONSUMED.

PER MONTH PER YEAR

\$64.54

\$774.48

IF OSASG WOULD LIKE TO HIRE A PROFESSIONAL TO FINISH IMPLEMENTATION, THE COST ESTIMATE WOULD BE \$50.00-\$75.00 ON AVERAGE.

WORK BREAKDOWN STRUCTURE

Team MadisonSoft WBS

1 Pre-Sprint

- 1.1 OleSchool Group kickoff meeting
- 1.2 ERD
- 1.3 Student low level flow diagram
- 1.4 Member low level flow diagram
- 1.5 Use case diagram
- 1.6 Project proposal

2 Sprint One

- 2.1 Team introduction
 - 2.2 Problem summary
 - 2.3 Project goals
 - 2.4 User research & survey
 - 2.5 Personas
 - 2.6 User stories
 - 2.7 Design requirements & guidelines
- 2.8 Updated information architecture deliverables**
- 2.8.1 Student low level flow diagram
 - 2.8.2 Updated Member low level flow diagram
 - 2.8.3 Updated ERD
 - 2.8.4 Updated use case diagram
 - 2.9 Wireframe mockups
 - 2.10 Initial client meeting
 - 2.11 System functionality one-thirds complete
 - 2.12 Sprint one presentation

3 Sprint Two

- 3.1 Meeting agenda
- 3.2 Project description
- 3.3 Client meeting
- 3.4 Distribute survey
- 3.5 Gather survey results

3.6 Updated IxD documents

- 3.6.1 Updated personas
- 3.6.2 Updated wireframe mockups
- 3.6.3 Updated user stories
- 3.7 Value propositions
- 3.8 Low-Fidelity prototype
- 3.9 Storyboard

3.10 Updated information architecture deliverables

- 3.10.1 Updated student low level flow diagram
- 3.10.2 Updated member low level flow diagram
- 3.10.3 Updated ERD
- 3.10.4 Updated use case diagram
- 3.11 Live demonstration
- 3.12 System functionality two-thirds complete
- 3.13 Sprint two presentation

WORK BREAKDOWN STRUCTURE

4 Sprint 3

- 4.1 Client meeting
- 4.2 Updated digital documentation**
 - 4.2.1 Updated project goals
 - 4.2.2 Updated project introduction
 - 4.2.3 Updated live demonstration
 - 4.3 Object oriented nature of the system

4.4 Updated IxD documents

- 4.4.1 Updated user stories
- 4.4.2 Updated personas
- 4.4.3 Updated value propositions
- 4.4.4 Updated storyboards
- 4.4.5 Updated prototype
- 4.4.6 Updated wireframe mockups
- 4.5 Lessons learned
- 4.6 Meeting minutes
- 4.7 Cost estimates

4.8 Updated information architecture deliverables

- 4.8.1 Updated student low level flow diagram
- 4.8.2 Updated member low level flow diagram
- 4.8.3 Updated ERD
- 4.8.4 Updated use case diagram

4.9 Project planning documents

- 4.9.1 Work breakdown structure
- 4.9.2 Gantt Chart
- 4.9.3 Requirements traceability matrix

4.10 System use instructions

4.11 System functionality complete

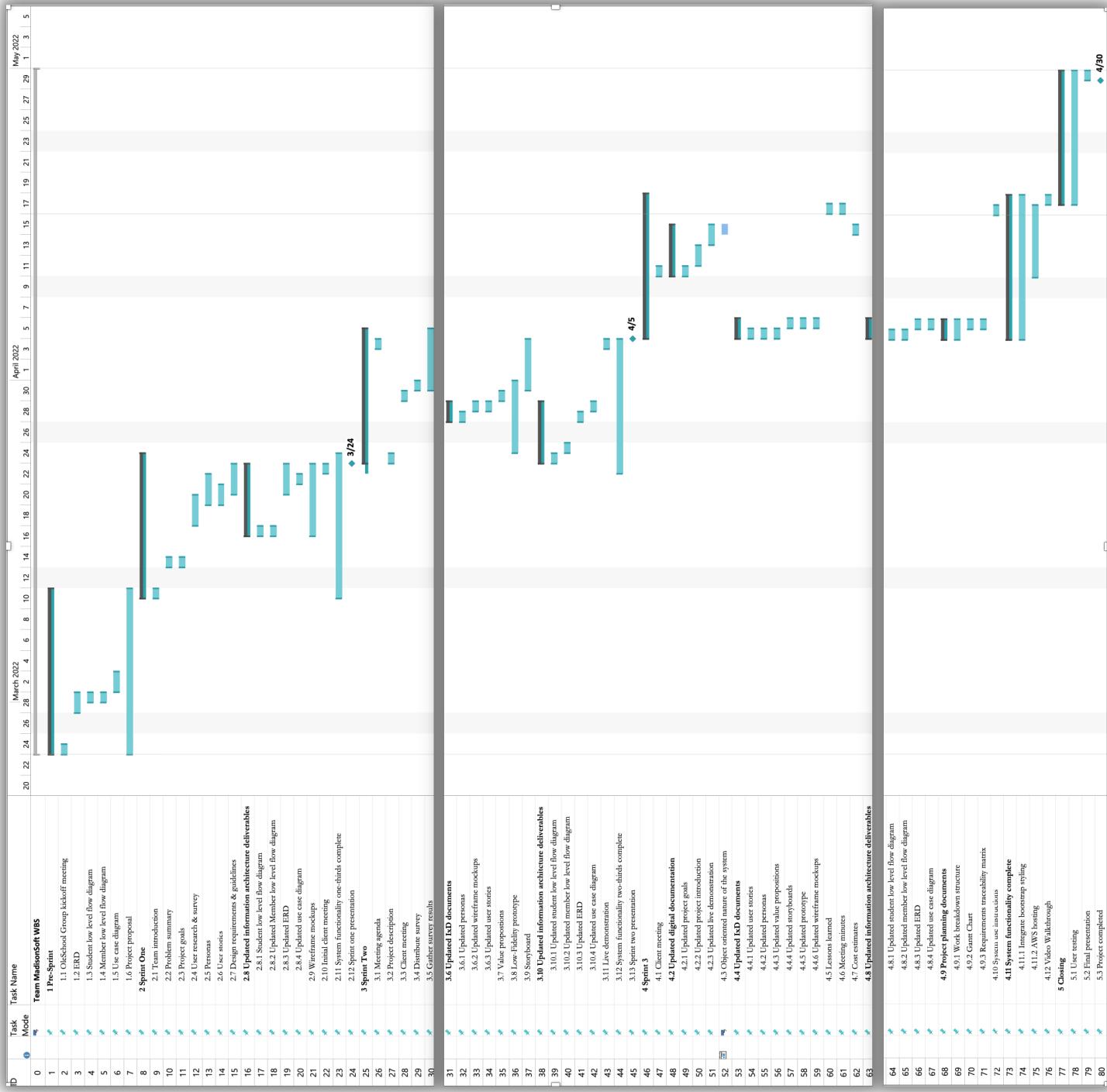
- 4.11.1 Integrate bootstrap styling
- 4.11.2 AWS hosting
- 4.12 Video Walkthrough

5 Closing

- 5.1 User testing
- 5.2 Final presentation
- 5.3 Project completed

PROJECT PLANNING DOCUMENTS

GANTT CHART



PROJECT PLANNING DOCUMENTS

REQUIREMENTS TRACEABILITY MATRIX

		Requirements Traceability Matrix								
		Create content postings	Create accounts	Student feature to like and following postings	Students feature to apply to jobs/internships/and/or scholarships	Feature to search job/student /internship and/or scholarship posting	View activity and posting on website dashboard	Login to account	Edit user info	
		Testing								
		As a student, I want to upload my resume and apply for the OSASG student scholarship so that I can receive financial help at JMU								
		As a student, I want to "like" and save pages for later so that I can check my status of my application overtime								
		As a member, I want to be able to search for students and view their information in one place.								
		As a member, I want to be able to sign up for upcoming opportunities, and view events on the calendar.								
		As a member, I want to view the analytics of jobs, scholarships, and internships engagement for each available.								
		As an administrator, I would like to manage and oversee all accounts made, so that I can stay organized								
Coverage										
 Pass In Progress Fail N/A										

MEETING MINUTES

SPRINT 3

Date: 4/7/2022

Location: Hartman Hall

Time: 4:00 pm

Attendees

- Alexa Bell
- Rachel Dennis
- Madeleine Duley
- Dana El-Zoobi
- Ryan Essex
- Kit Harmon
- Kevin Kotowski
- Lauren Park
- Anna Petrides
- Bridget Raymond
- Henry Robinson
- Kyle Zaenger

Agenda

- Discuss sprint two presentation
- Discuss bootstrap implementation
- Discuss questions for client

Scheduled Items:

- Sprint two presentation: what went well, what could have gone better
 - Agenda did not have our team name on it
 - Video of system was a bit awkward
 - Miscommunication with client
 - Messaging capability
 - PowerPoint/presentation in general went smoothly
- Research Bootstrap implementation with Visual Studio

Unscheduled Items:

- Discuss meeting with Professors to clear confusion about Bootstrap and roles of CIS/SMAD

After Main Meeting Items:

- Schedule meeting with client

MEETING MINUTES

SPRINT 3

Date: 4/11/2022

Location: Zoom

Time: 5:00 pm

Attendees

- Rachel Dennis
- Madeleine Duley
- Dana El-Zoobi
- Kit Harmon
- Kevin Kotowski
- Lauren Park
- Anna Petrides
- Bridget Raymond
- Henry Robinson
- Kyle Zaenger
- Client – Ole School Group Member Chuck May

Agenda

- Discuss calendar functionality
- Discuss messaging capabilities

Scheduled Items:

- Clear up miscommunication about who needs to be able to message each other on the system
- Ask about what should be visible on the calendar

Unscheduled Items:

- N/A

After Main Meeting Items:

- Look at sprint three deliverable requirements
- Research AWS hosting

MEETING MINUTES

SPRINT 3

Date: 4/12/2022

Location: Zoom

Time: 4:00 pm

Attendees

- Alexa Bell
- Rachel Dennis
- Madeleine Duley
- Ryan Essex
- Kit Harmon
- Kevin Kotowski
- Lauren Park
- Anna Petrides
- Bridget Raymond
- Henry Robinson
- Kyle Zaenger

Agenda

- Discuss action items for sprint three deliverable
 - Project planning documents
 - Updating IxD documents
 - Updating system diagrams
- Assign remaining work to team members
- Review progress on bootstrap styling implementation
- Discuss meeting with client

Scheduled Items:

- Compare sprint two deliverable to new information from meeting with Chuck and update accordingly

Unscheduled Items:

- N/A

After Main Meeting Items:

- Schedule meeting with faculty

MEETING MINUTES

SPRINT 3

Date: 4/14/2022

Location: Zoom

Time: 2:30 pm

Attendees

- Madeleine Duley
- Dana El-Zoobi
- Lauren Park
- SMAD & CIS Faculty

Agenda

- Discuss feedback from sprint two presentation

Scheduled Items:

- Ask about areas for improvement & things we did well

Unscheduled Items:

- Discuss requirements for sprint three

After Main Meeting Items:

- Update the rest of the team on the discussion

MEETING MINUTES

SPRINT 3

Date: 4/17/22

Location: Zoom

Time: 7:00 pm

Attendees

- Dana El-Zoobi
- Kit Harmon
- Kevin Kotowski
- Henry Robinson

Agenda

- Discuss wrapping up work on deliverables
- Discuss video walkthrough tomorrow
- Discuss progress on AWS

Scheduled Items:

- Review current progress on deliverables

Unscheduled Items:

- Discuss adding “Leader” persona

After Main Meeting Items:

- Complete WBS & Gantt Chart

MEETING MINUTES

SPRINT 3

Date: 4/18/22

Location: Hartman Hall

Time: 5:30 pm

Attendees

- Alexa Bell
- Madeleine Duley
- Dana El-Zoobi
- Kit Harmon
- Kevin Kotowski
- Lauren Park
- Anna Petrides
- Bridget Raymond
- Henry Robinson
- Kyle Zaenger

Agenda

- Discuss current situation of video walkthrough
- Review current state of PowerPoint presentation
- Discuss needs for the presentation on Thursday

Scheduled Items:

- Discussing roles on the video walkthrough
- Discuss updating the story board
 - Primary personas
 - Secondary personas
 - Tertiary personas
- Discuss updating the ERD
- Discuss how to approach presenting the PowerPoint

Unscheduled Items:

- Establish goals for Thursday
- Review the exact abilities of each position
 - Primary Student Apply for something
 - Secondary Admin Reward the job, if time (accept applications)
 - Tertiary Leader Analytics
- Discuss order of introduction for presentation
 - Name and role
 - Only have people who are presenting introduce themselves to maximize time

After Main Meeting Items:

- Discuss meeting minutes
- Discuss what is being turned in
 - Deliverable
 - Presentation Materials
 - PowerPoint
- Do video walkthrough

PROJECT PLANNING DOCUMENTS

LESSONS LEARNED

What Went Well?

- We learned from our feedback on the previous sprints for our documentation revisions, so we had more time to dedicate to system performance and design for the client.
- We have become more confident in our understanding of the requirements and certain aspects the client is looking for in the system. Therefore, we feel we are better able to develop a product for the client that accurately meets their needs.
- We have created a team dynamic that has become smoother where team members can quickly know where they can best step in to help in areas they have knowledge and experience in.
- We were successful in transitioning our system to AWS.
- We successfully implemented Bootstrap into our project for a better user interface.

What Could Have Gone Better?

- Understanding how to implement Bootstrap into our system took longer than we expected, therefore we had to allocate a large portion of our resources to do so.
- Coordinating tasks between team members could be improved to ensure there is proper communication about responsibilities.

What Will We Try Next?

- In preparation for the opportunity that we could be selected to lead a live presentation of our system, we will continue practicing our presentation as a team.
- We will continue to communicate regularly to ensure all team members are up-to-date on progress and any updates that arise.

What Questions Do We Have?

There are no questions at this time.

MEET THE TEAM



ALEXA

Bell



RACHEL

Dennis



MADELEINE

Duley



DANA

El-Zoobi



RYAN

Essex



KIT

Harmon



KEVIN

Kotowski



LAUREN

Park



ANNA

Petrides



BRIDGET

Raymond



HENRY

Robinson



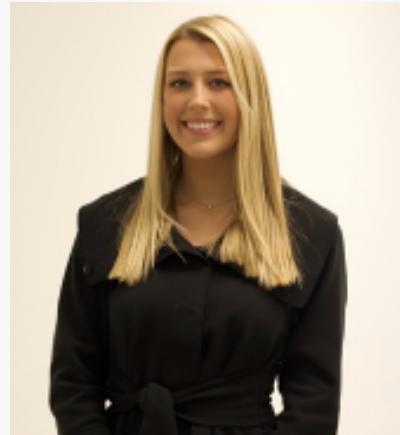
KYLE

Zaenger

TEAM MEMBERS

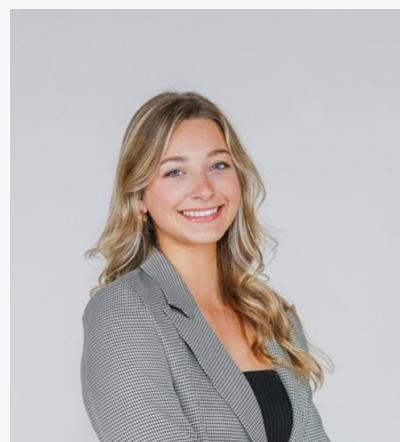
ALEXA BELL FRONT-END DEVELOPER

My name is Alexa Bell and I am from a Computer Information Systems major from Charleston, SC. I am involved in JMU's Women in Business, AIS, and Pi Sigma Epsilon marketing and sales fraternity. My plans after graduation include moving to Charlotte, NC to work for Accenture as a Consulting Development Analyst. My hobbies include fostering animals, performing, intramural sports, and traveling.



RACHEL DENNIS UX RESEARCH AND TESTING

I am a senior double major in SMAD: Interaction Design and SCOM: Public Relations. I'm also a member of the Dukettes Dance Team. In UX, I love working with visual design and have experience with designing from past internships, by running the Instagram for the Dukettes, and by creating designs for Proust magazine, a student-run organization on campus. My design style is eye-catching yet clean and professional. Although I have a lot of experience with visual design, I really enjoy conducting research (mainly qualitative) and would like to challenge myself in that realm. Post-graduation, I hope to work at a firm in northern VA as a user experience designer in an entry-level position.



MADELEINE DULEY PROJECT MANAGER

My name is Madeleine and I am a CIS Major with an interest in Cybersecurity and Consulting. I am involved in Relay for Life and Kappa Alpha Theta on campus. I enjoy learning new coding languages and working in teams to accomplish my goals. My post-graduation plans include working out of Washington DC for the KPMG Audit Practice. In my free time I enjoy spending time with friends, playing with my dogs, and traveling. My hobbies include reading, working out, and trying new coffee shops.



TEAM MEMBERS

DANA EL-ZOOBI CLIENT LIAISON

My name is Dana El-Zoobi. I'm from Centreville, Virginia, and I'm a senior majoring in Computer Information Systems and minoring in Economics. At JMU, I'm involved in Epsilon Nu Tau entrepreneurship fraternity and Alpha Delta Pi sorority. Outside of school, I enjoy spending time with friends and family, discovering new music, and skiing. After graduation, I plan on traveling through Europe with friends before starting my job at EY as a Technology Risk Consultant in McLean, Virginia.



RYAN ESSEX DATABASE DEVELOPER

My post-graduation plans are still not set in stone. The plan is to find a solid job that I would have an interest in. I am still applying to different positions. I plan to stay in Richmond for a bit. Extra-curricular activities include being a member of Alpha Sigma fraternity. Hobbies include cooking, snowboarding, and avid gym enthusiast.



KIT HARMON FRONT-END DEVELOPER

Hi! My name is Kit Harmon and my post-graduation plans involve moving to Charlotte, NC to begin working with NTT Data as a Business and Technology Strategy Consultant. Extra-curricular activities I am involved in at JMU are the Fitness Club and Equestrian Club. Outside of JMU, I enjoy hiking with my three dogs, working as a part-time consultant, and traveling to Cabo in the colder months.



TEAM MEMBERS

KEVIN KOTOWSKI DATABASE DEVELOPER

Hi! My name is Kevin Kotowski. I am a Senior CIS major with a minor in Data Analytics from Vienna, Virginia. I have always been fastened by technology and the pursuit of helping others understand its complexities. After graduating this Spring, I will join a cloud cybersecurity consulting firm called Coalfire. At Coalfire, I will be placed in a SOC (Systems and Organization Control) team where we perform risk analysis, penetration testing, and security audits for a commercial company. Other than perusing my degree, I am heavily involved on campus in three organizations. I am a brother of Phi Chi Theta, one of the several business fraternities on campus. I am also the current Vice President of the Club Ski and Snowboard Racing Team. Lastly, I am an active member of InterVarsity, a campus ministry here at JMU. When I'm not in class or involved in my orgs,



LAUREN PARK FRONT-END DEVELOPER

I'm Lauren, a senior SMAD major concentrating in Interactive Design. I enjoy studying the artistry of UX/UI & am continuously eager to learn more and looking for new projects/opportunities to expand my portfolio. I love music and connecting with others through it therefore I got plugged into being the Web Designer for WXJM, a local radio station at Harrisonburg, VA. I enjoy working in teams. I believe that collaboration creates an efficient work environment for people to bring in versatile skills and ideas. I would like to work with people who also strive to make an impact with their creativity and work, a few of my passions include creating a more sustainable environment to preserve the earth, volunteering for organizations that work alongside individuals with disabilities in schools and community, and spending hours on Pinterest to create mood boards and discover new inspirations.



ANNA PETRIDES PROGRAMMER

My name is Anna Petrides and my post-graduation plans include traveling over the summer with friends and family then starting my job with the position of Technology Assurance Associate, Audit at KPMG. Some extracurricular activities I am involved in are being a part of the Woman in Business and a member of Alpha Phi sorority. In my free time some hobbies I enjoy include reading, hanging out with friends, and watching Netflix.



TEAM MEMBERS

BRIDGET RAYMOND UX DESIGN AND VISUAL DESIGN

I'm Bridget Raymond, a senior SMAD major concentrating in Interactive Design with a minor in Communications Studies. I'm very interested in visual design, and I'm excited to develop my skills in this area more with this project as well as gaining more experience with UX design. This past summer I interned at a federal contractor outside of DC doing digital marketing, where I designed any graphics they needed for social media and any other graphic needs. I also had an internship during this past fall semester in London working for a media agency working with the music industry where I primarily did research and analysis of client social media and music streaming platform statistics. In the future I hope to work in a smaller scale business doing visual design and marketing for a business, so working with a smaller organization for this project is great preparation.



HENRY ROBINSON BACK-END DEVELOPER

My name is Henry Robinson and I am a senior CIS Major. I have taken a variety of courses including cybersecurity, info security, networking, and programming. I enjoy learning how technology that is commonly used is designed and configured. My post-graduation plans are working for the Federal Reserve Bank of Richmond in a technical rotation program for the next two years. I love paddle boarding, golf, and basketball. I have a cute lab-beagle mix named Cori at home that I love with all my heart.



KYLE ZAENGER BACK-END DEVELOPER

I am a transfer student from NOVA who is currently trying to learn as much as possible about the CIS field with the resources available. Post-Graduation Plans: Begin full time employment. Hobbies: Reading stories, strategy games.

