

# ATLAS

## Web-Based Application

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1/22/2024

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# Version History

- Version 1.0 – Created document 1/22/2024 (Alex and Tristan)
- Version 2.0 – Heavily Modified to Include all requirements for 2<sup>nd</sup> submission (Alex and Tristan)
- Version 2.1 – Modified Wireframe to be more legible with lines and gave permission to access to Jay (Alex)
- Version 2.2 – Modified User Personas to reflect workflow of each user more accurately. (Tristan)
- Version 2.3 - Modified Design, Technologies, and Technical Limitations (Alex)
- Version 2.5 - Added Assets Section (Tristan Alex)
- Version 2.6 – Started to Update Interactive Requirements (Want to get feedback from Jay) (Alex)
- Version 2.7 – Added Feedback/Changes Section (Alex)
- Version 2.8 – Reorganized Sections of Design Document to be in a better order. (Tristan)
- Version 2.9 – Updated all sections of Interactive Requirements. (WIP) (Tristan Alex)
- Version 3.0 – Document Completed and Ready for Submission :) (Tristan Alex)

# Strategy

## **What is it?**

ATLAS (Alex Tristan Learning Management System) is a streamlined web-based Learning Management Software meticulously crafted to meet the training program needs of small- to medium-sized organizations. Unlike most existing LMS applications that tend to be costly, excessively technical, and complex, LMS) offers a user-friendly and efficient alternative. It is designed to be implemented swiftly, addressing the limitations associated with long developmental timelines.

## **Who is it for?**

(LMS) is tailored for organizations with up to 1,000 employees, focusing on the specific requirements of small- to medium-sized entities. The platform is attuned to the day-to-day operations of such organizations, providing a comprehensive solution for managing training programs seamlessly.

## **Why are we making it?**

The development of ATLAS is driven by the need to alleviate the challenges posed by existing LMS applications. Recognizing the struggles faced by organizations with complex and time-consuming implementations, ATLAS aims to offer a practical solution that saves both time and resources. The platform's modular tracking features for individuals, departments, and the entire organization, coupled with its ability to export records conveniently, make it an indispensable tool. Moreover, the implementation of a robust user authority hierarchy ensures the safeguarding of critical information, preventing unauthorized access and ensuring data security. Ultimately, ATLAS was created to empower organizations with an efficient, user-friendly, and cost-effective training management solution.

## **What are our Goals?**

The goal of ATLAS is to provide an organization with some structure in managing its many employees, departments, and training for its employees.

# Features

- A user should be able to Create their own Company/Organization and Invite others to join.
- Another user option should be to join a company/organization.
- A user should be able to modify their own personal settings or view their own login attempts.
- User Accounts are divided into four categories or levels that provide different ranges of functionality.
  - Org Admins can:
    - Assign Departments or Other rights to allow for different functionality/management of the organization. Manage other users as well in their own organization.
  - Training Managers can:
    - Create training for other users. This allows people to be assigned training and to validate that general users are completing any necessary training.
  - General Users can do the following:
    - Post their completed training.
    - View past training.
    - View new training.
  - Website Admins manage the website which includes:
    - Trouble shooting issues for other people or managing/deleting other organizations.
    - Can view every functionality that all other users can see.

# User Personas

## Website Administrator

Name: Emily Johnson

Role: Works for ATLAS from desktop computer with hours from 9am-5pm

1. Emily logs into her administrative account where she checks the ticket list for ongoing tasks.
2. Emily resolves tickets generated by various organization's admins:
  - a. Utilizes Site Admin access to view sitewide login info, orgs, and user accounts.
  - b. Utilizes Org Control Panels to modify any organizations specifications.
  - c. Troubleshoots suspected nefarious login actions via login viewer.
  - d. Respond to ticket generators for clarification/status of ticket.
  - e. Mark when ticket is resolved.
3. Emily manages personal account settings to update password & personal information.
4. Emily onboards new Site Admins by creating their accounts & granting admin access.

## Organizational Administrator

Name: Michael Jenkins

Role: Works from 9am-5pm as an org admin for Chipotle's implemented ATLAS training program

1. Michael logs into his org administrative account where he checks ticket list for ongoing tasks.
2. Michael resolves tickets generated by training managers & general users within org:
  - a. Forwards tickets outside of scope to site admins for assistance
3. Michael creates a record for a new department being stood-up in the organization.
  - a. Assigns department email & name for newly created department.
  - b. Michael assigns general users & training manager to the new department.
4. Michael checks validation list & upon outside confirmation approves new user account.
5. Michael manages personal account settings to update password & personal information.
6. Michael onboards new Org Admins/Training Managers by granting appropriate access.
7. Michael receives outside instruction to modify organization's address & phone number:
  - a. Utilizes org control panel to update relevant information that changed.

## Training Manager

Name: Isabel Morrey

Role: Works from 9am-5pm as a Training Manager for ASUS's Engineering Department

1. Isabel logs into the training manager account where she accesses the training control panel.
2. Isabel generates tickets to move users she no longer oversees to another department.
3. Isabel views training validation list to grant credit to user's who submitted training:
  - a. She notices a user was too vague in their course description & invalidates training.
  - b. She checks other training entries and validates them as complete.
4. Isabel creates and preloads a new training module for users attending a conference.

5. Isabel receives a ticket that a user's training was rejected, she investigates why in the viewer.

### **General Users**

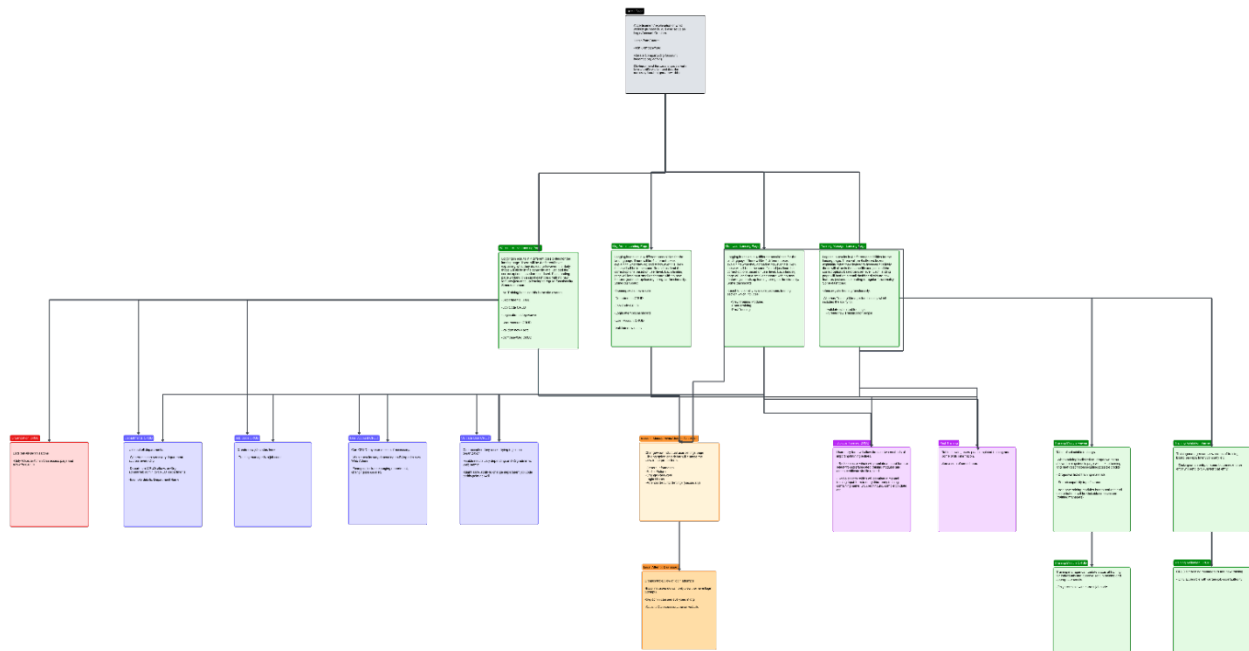
Name: Weston Parcel

Role: Works 9am-5pm as an electrical engineer for ASUS

1. Weston logs into the training program and views the status of training entries he submitted last.
2. Weston selects the training module to gain credit for ASUS's seminar on conduit welding.
3. Weston sees that his training entry for advanced electrical fundamentals was rejected:
  - a. View validator's comments in training entry editor, rectifies issue and resubmits.
4. Weston needs to manually submit training for a conference he attended last year:
  - a. Click create new training entry and manually enters training info in dropdown.
5. Weston manages personal account settings to update password & personal information.
6. Weston needs to change departments and submit a ticket to get the issue fixed.
7. Weston forgets the last time he logged in. He checks login list to view recorded attempts.

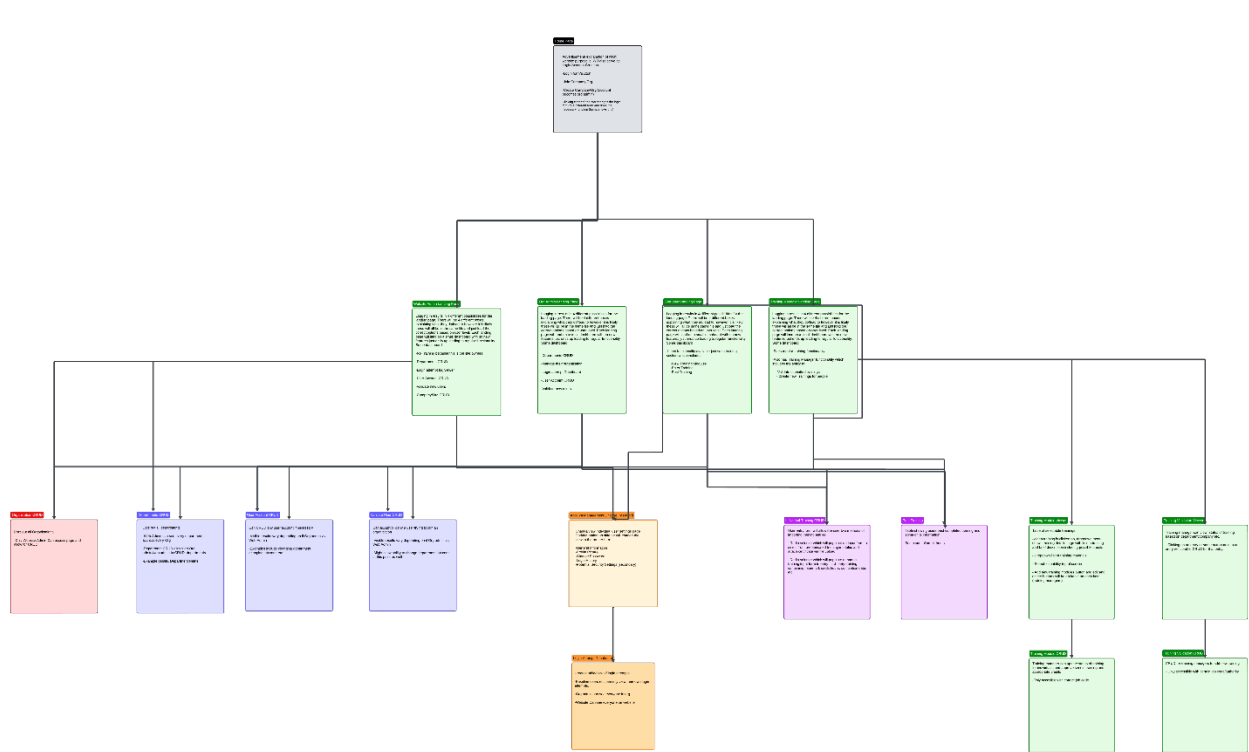


# Sitemap Version 1.0



[https://lucid.app/lucidchart/180feeb8-8e59-4fb2-a293-35c1edc592ae/edit?docId=180feeb8-8e59-4fb2-a293-35c1edc592ae&shared=true&page=0\\_0&invitationId=inv\\_4075910d-7315-4c47-9dc8-447fcec6d73a#](https://lucid.app/lucidchart/180feeb8-8e59-4fb2-a293-35c1edc592ae/edit?docId=180feeb8-8e59-4fb2-a293-35c1edc592ae&shared=true&page=0_0&invitationId=inv_4075910d-7315-4c47-9dc8-447fcec6d73a#)

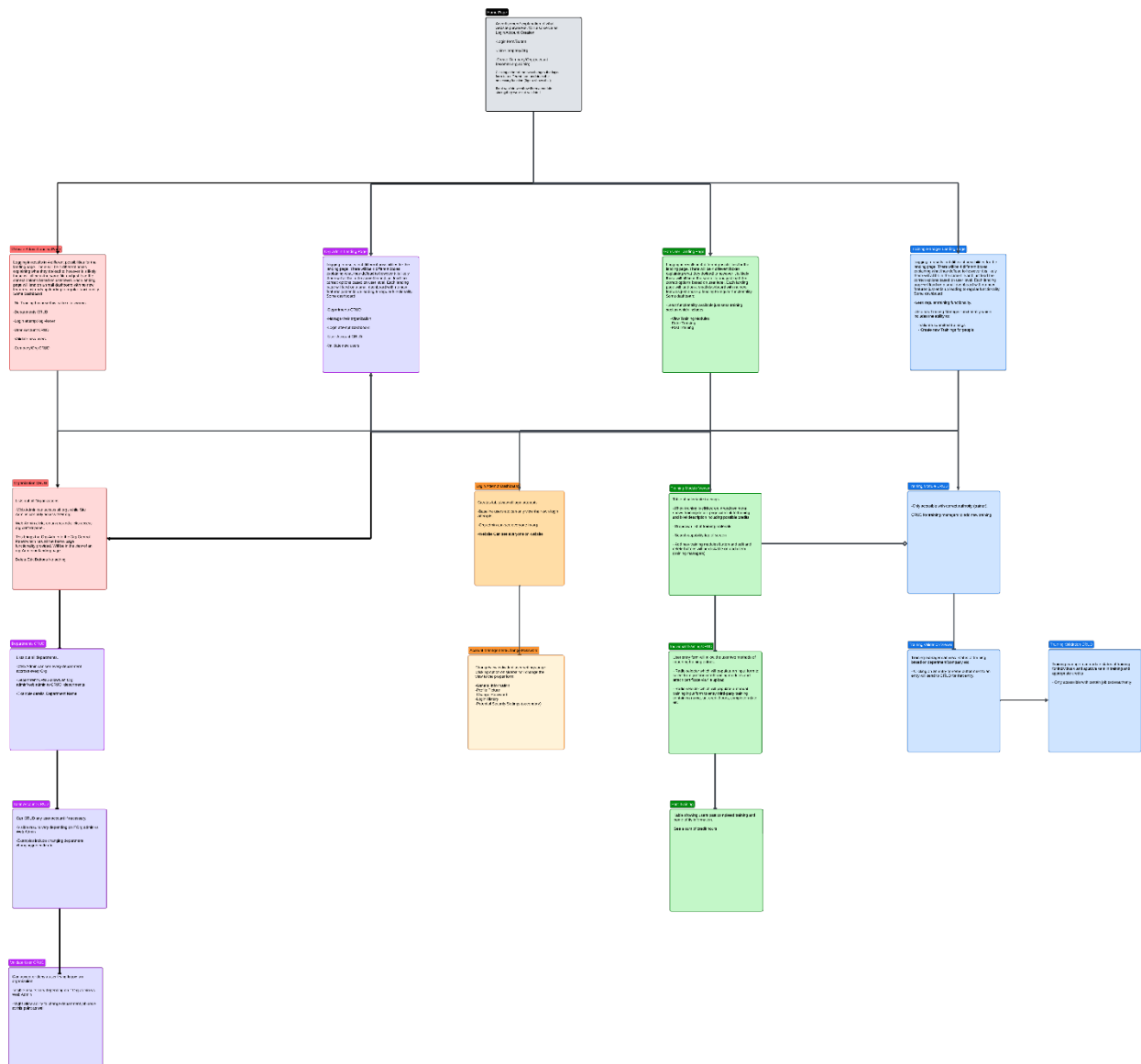
# Sitemap 2.0



[https://lucid.app/lucidchart/180feeb8-8e59-4fb2-a293-35c1edc592ae/edit?docId=180feeb8-8e59-4fb2-a293-35c1edc592ae&shared=true&page=0\\_0&invitationId=inv\\_4075910d-7315-4c47-9dc8-447fcec6d73a#](https://lucid.app/lucidchart/180feeb8-8e59-4fb2-a293-35c1edc592ae/edit?docId=180feeb8-8e59-4fb2-a293-35c1edc592ae&shared=true&page=0_0&invitationId=inv_4075910d-7315-4c47-9dc8-447fcec6d73a#)

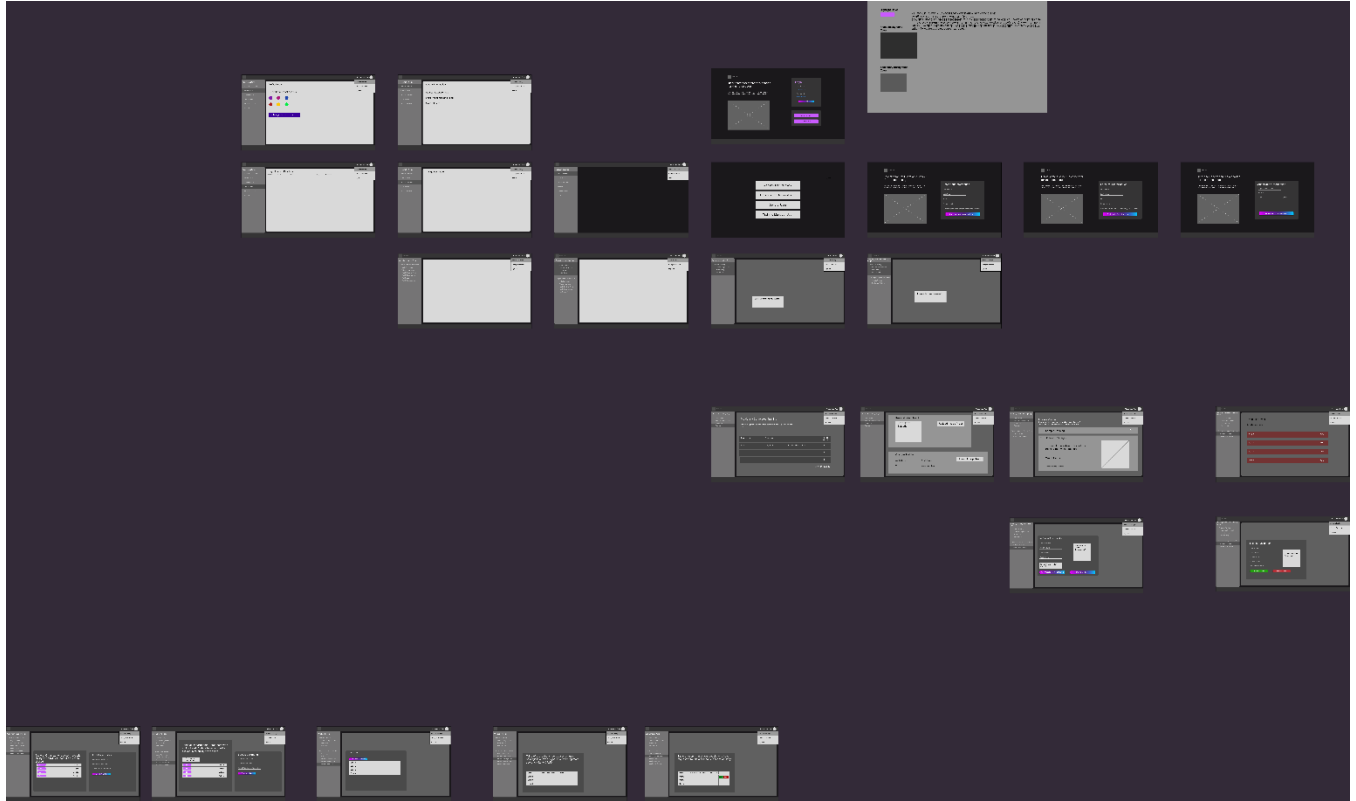
Updated to reflect removed job codes and updated some functionality descriptions to match current product.

# Sitemap Final



# Wireframe Version 1.0

<https://www.figma.com/file/TeRxzBkcKvKLFyIPVPA5mM/LMS-Wireframe?type=design&node-id=0->

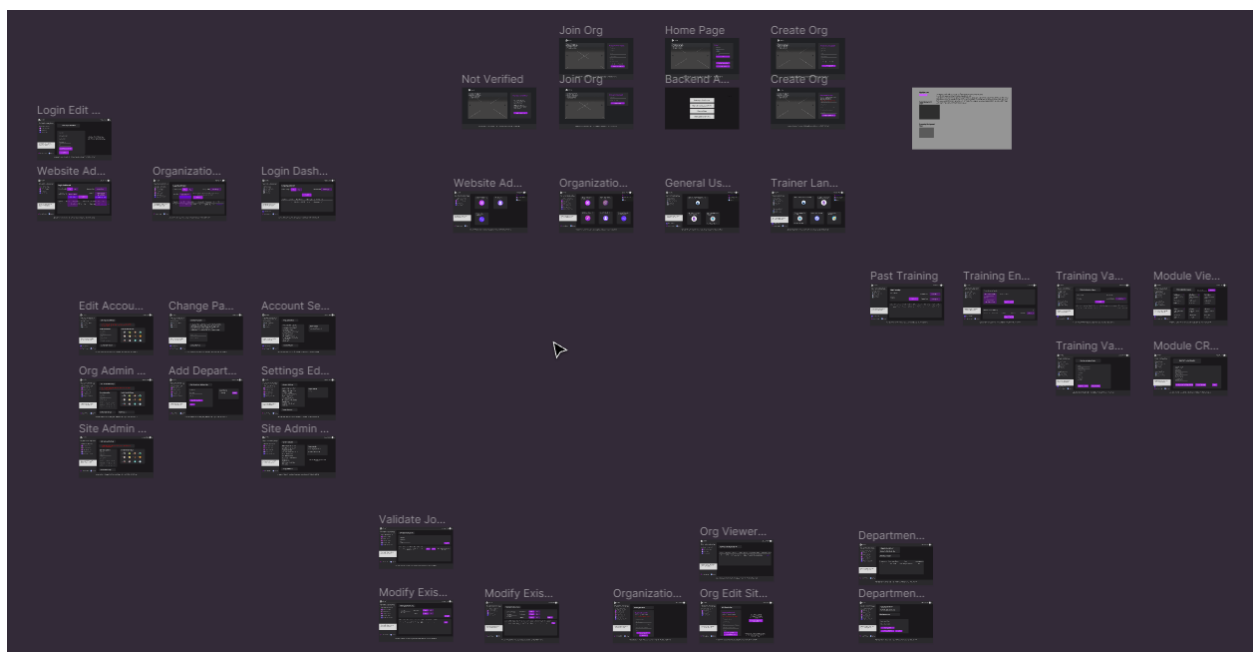


[1&mode=design&t=BHAP2mrz3KNomMt2-0](#)

# Wireframe/Prototype Final

We need to update how error validation appears in the figma design. The plan is for any and all validation to occur with javascript and using onchange. Visuals will be using Bootstraps validation tools which add nice check marks and will have dynamic message. (Invalid Email Format, Enter an Email, Email is Already in Use etc. The rest of the design is finalized

<https://www.figma.com/file/TeRxzBkcKvKLFyIPVPA5mM/LMS-Wireframe?type=design&node-id=0-1&mode=design&t=BHAP2mrz3KNomMt2-0>



## Generated Assets

### Fonts

#### Headers & Buttons

- Buttons:
  - Base Color: #A525E0;
  - Border Color: #A525E0;
  - Text: White;
  - padding: 8px;
  - border-radius: 8px;
  - font-size: 20px;
  - On hover:
    - background-color: #5b0981;
    - border-color: #5b0981;

Advent Pro

Penultimate

The spirit is willing but the flesh is weak

SCHADENFREUDE

3964 Elm Street and 1370 Rt. 21

The left hand does not know what the right hand is doing.

abcdefghijklmnopqrstuvwxyz

ABCDEFGHIJKLMNOPQRSTUVWXYZ

0123456789 (!@#\$%&.,?;:)

General Body/Text/Tables/Forms

Calibri

abcdefghijklmnopqrstuvwxyz

ABCDEFGHIJKLMNOPQRSTUVWXYZ

0123456789 (!#\$%&/.|\*`@',?::;)

# Penultimate

The spirit is willing but the flesh is weak

# SCHADENFREUDE

3964 Elm Street and 1370 Rt. 21

The left hand does not know what the right hand is doing.

mail@example.com    <http://www.cufonfonts.com>

- Text Fields/Select Dropdown:
  - Text-Input field background: (#222222)
  - Border: #9966FF
  - Text-color: #9966FF
  - Placeholder text-color: #858585
- Radio Select
  - Border: #9966FF
  - Text-color: #9966FF
  - Selected: #9966FF
  - Unselected: Transparent

- Calendar
  - Default Styling
- Radio Buttons
  - Default Styling

## Colors:

#242424

Background for Aside, Header, Footer

#555555

Border Color for aside/header/footer

#CC00FF

H2/H3/H4 etc.

#9933FF

Button Default.

#9966FF

Button Hover. Radio Select  
Highlights/Borders for text inputs.

#FFFFFF

Text Color.

#332A38

ent objects appear darker).



# Interactive Requirements

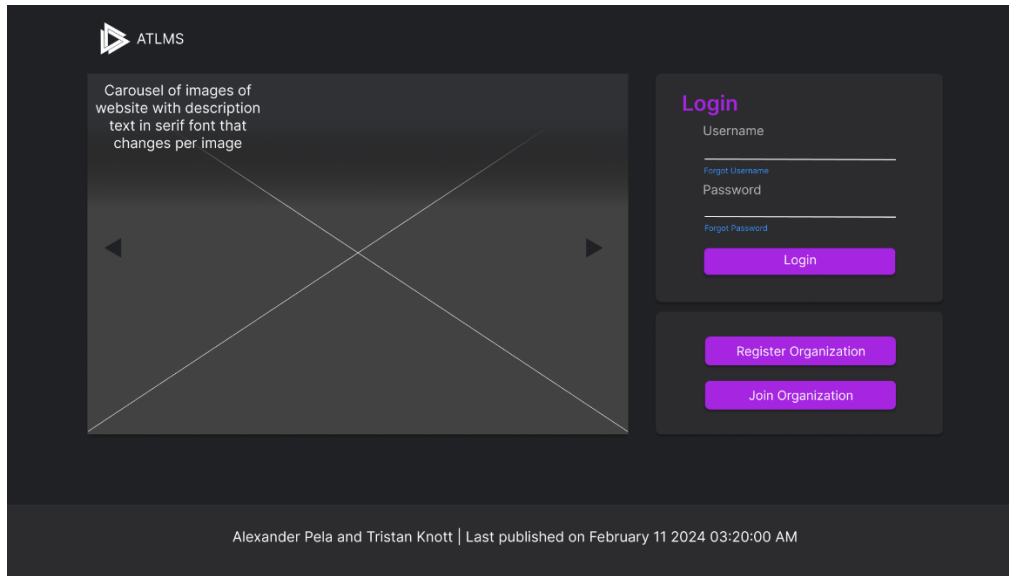
## Universal

- Every text field has field validation using Bootstrap styling and JavaScript code that contains RegEx expressions and or calls to Ajax to verify unique data to the server. It will not allow form submission (disable button or fade out haven't fully figured out functionality on that yet)
- All fields use the most optimal or least user annoying field types. (Calendar for Date, Radio Buttons for Selecting between two options or a few options, select dropdown for selecting between a lot of choices etc.)
- Navbar links will have icons next to them and on hover will change font color and background to show that a user is selecting that option (blackish background, purple text)
- No plan for the aside to be minimizable now.
- Our database has On Cascade Delete on so deleting any information that connects to a foreign table will delete that data as well.

- No validation needed on searches.

## Home Page (Login)

All Home Pages have a carousel that visualizes the website for users. Buttons to slide back and forth and text explaining the images/short description. Sticky footer on bottom as well.



- *Login Form*
  - Username Text Box
  - Password Text Box
  - Login Button (On hover effect to lighter color)
  - Clicking login will either send user to landing page with their content, send them to a section on page telling them their account is not verified (pass action variable load content for not verified)

## Home Page (Create Org)

ATLMS

Carousel of images of website with description text in serif font that changes per image

### Account Information

First Name

Last Name

Email

Phone Number

Birthday

Male: ☐ Female: ☐

[Continue Application](#)

Alexander Pela and Tristan Knott | Last published on February 11 2024 03:20:00 AM

- *Create Company Form*
  - Text boxes for Company info
  - Text boxes for user information
  - Button to submit Form.
  - Submit the form validates. Will not post unless all valid. If valid send it to Org Admin Landing Page.

## Home Page (Join Org)

ATLMS

Carousel of images of website with description text in serif font that changes per image

Account Information

First Name

Last Name

Email

Phone Number

Birthday

Organization Code

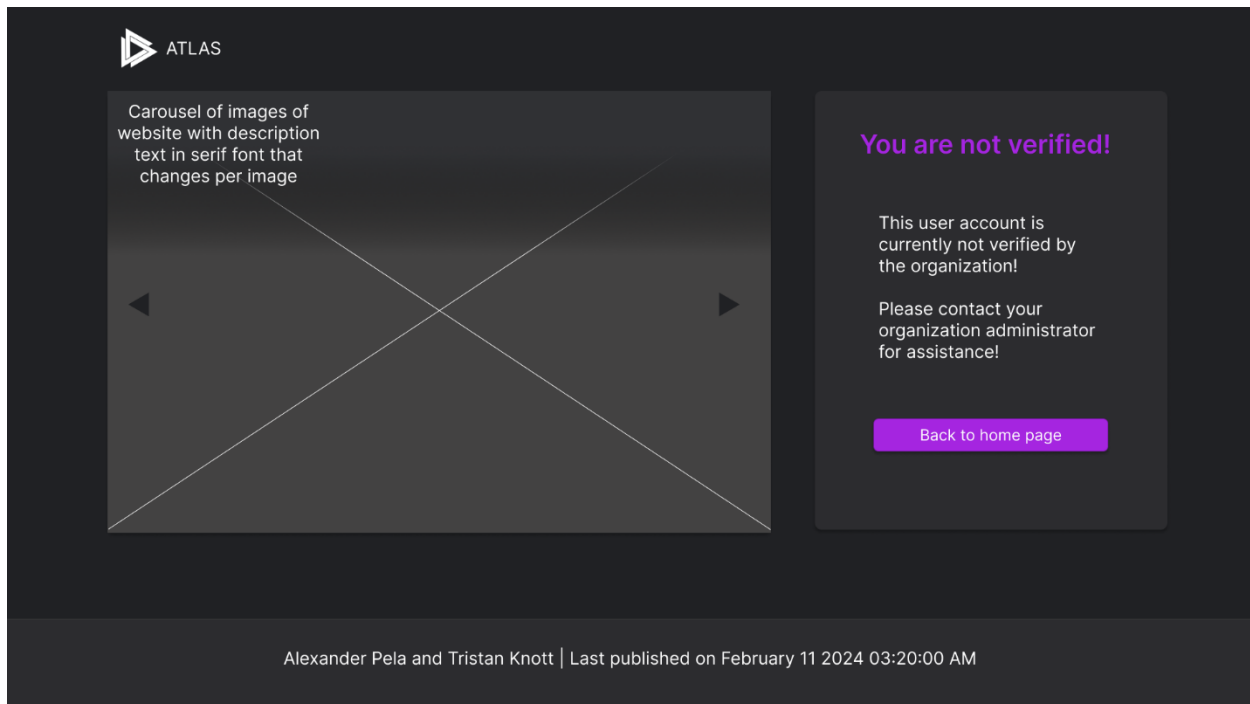
Male: ☐ Female: ☐

Continue Registration

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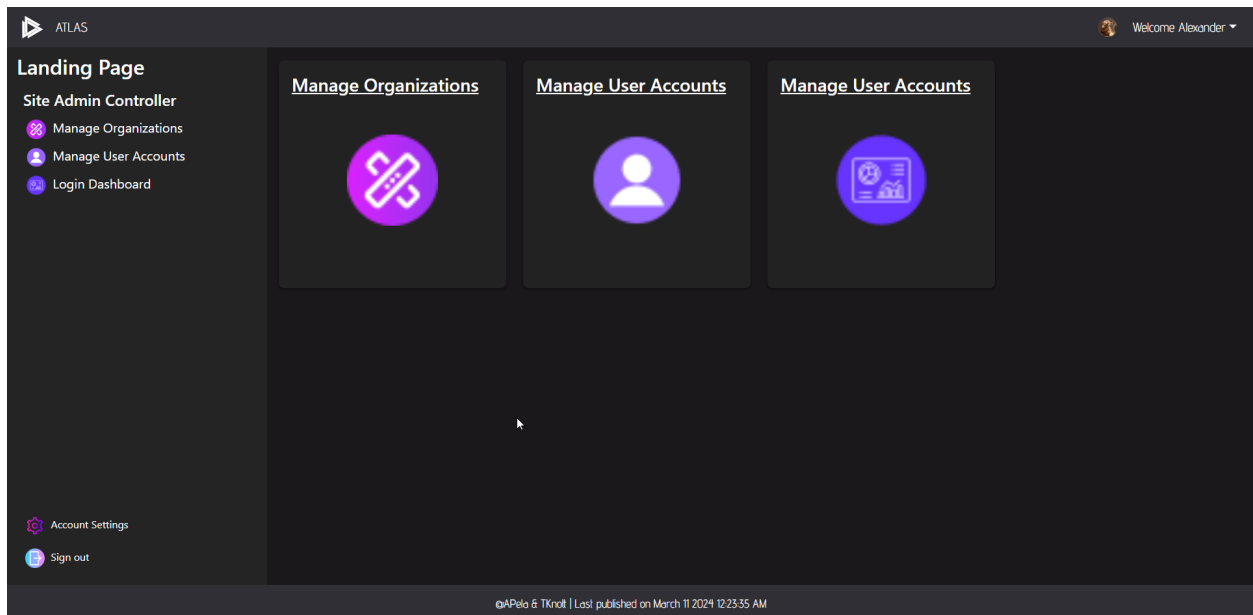
- *Join Company Form*
  - Text boxes for joining company info (organization code length must be 20.
  - Text boxes for user information
  - Button to submit Form.
  - On Submit the form validates. Will not post unless all valid. If valid send to not verified page.

## Home Page (Not Verified)



- *Not verified*
  - Short message stating that their account is not verified and to contact an organization administrator also back button to go back to login page (default) purple button with on hover to lighter color.

## Dashboard/General Landing Page



- Atlas Logo that brings to landing page.
- Top Nav bar that has a drop down with the users profile picture and their full name (first+last).
  - Account Settings, Change Password and Logging out.
- Side Navbar that fills with appropriate responsibilities that user has.
- Inside the main view there will be visual shortcuts to the users' functionalities and show some minor stats if possible. (See Figma and how the options in the aside are present on the landing page as modules/shortcuts.

## Org CRUD (View)

The screenshot displays the Atlas Organization Manager interface. On the left, a sidebar contains the 'Organization Manager' title, the role 'Site Admin Controller', and three menu items: 'Manage Organizations', 'Manage User Accounts', and 'Login Dashboard'. The main content area is titled 'Organization Viewer' and features a search bar with 'Organization Name' and 'State' fields, and a 'Submit' button. Below the search bar is a table listing organizations with columns for ID, Name, Address, City, State, Zipcode, Code, and an 'Edit Organizations' button. The table contains 10 rows of data. At the bottom left of the sidebar, there are links for 'Account Settings' and 'Sign out'. The footer of the page indicates the version is 'v1.0.0' and the last update was on 'March 08, 2023'.

Organization ID	Organization Name	Organization Address	Organization City	Organization State	Organization Zipcode	Organization Code	Edit Organizations
55	Apple Inc	392 Sunshine Ave	San Diego	AZ	31589	aGSUFUwPAVfWvG29DoJ5	Edit
62	ASUS	288 Knollridge Dr	North Smithfield	KS	02896	fwzOaRdMm2Ss8KamC8A4	Edit
64	ASUS	288 Knollridge Dr	North Smithfield	KY	02896	aNCpKR0DWh0VAkzqv6j	Edit
50	Atlas	1 New England Tech Blvd	East Greenwich	RI	02896	cqjITMsGRcyxCUOUmf7L	Edit
52	Chipotle	288 Knollridge Dr	North Smithfield	LA	02896	TF25nTbz4riymqza77U	Edit
68	Chipotle	288 Knollridge Dr	North Smithfield	RI	02896	xqZdOVcxGDOQ6E9VqXT5	Edit
56	Geico	288 Knollridge Dr	North Smithfield	RI	02896	UQZPUSP7sygyfrDEr3QH	Edit
65	Hexagon	239 Hibernation Drive	North Kingston	RI	02764	dimmOxHoXSi4Ktr17bkW	Edit
61	Tesla	288 Knollridge Dr	North Smithfield	RI	02896	Lbzy21ZagRlpyBnWGrDq	Edit
59	Toyota	123 Foundation Street	Woonsocket	VA	02895	lEQmlzX2jagblpetGq5B	Edit

- Table Listing out all Organizations.
- Search functionality with option on Org Name and State.
  - Two fields (one text box one selects drop down) (No validation)
  - Search button.
- Button option to Edit.

## Org CRUD (Edit)

The screenshot shows the ATLAS Organization Editor interface. On the left is a sidebar with the ATLAS logo and the title 'Organization Manager'. Below this, it identifies the user as 'Site Admin Controller' and lists three menu items: 'Manage Organizations' (with a gear icon), 'Manage User Accounts' (with a person icon), and 'Login Dashboard' (with a key icon). At the bottom of the sidebar are 'Account Settings' (with a gear icon) and 'Sign out' (with a person icon). The main content area is titled 'Organization Editor' and contains a form for editing an organization. The form fields are: 'Organization Name' (containing 'Apple Inc'), 'Organization Address' (containing '392 Sunshine Ave'), 'City' (containing 'San Diego'), 'State' (containing 'State'), and 'Organization Zipcode' (containing '31589'). Below these is an 'Organization Code' field containing a long alphanumeric string. At the bottom of the form are four buttons: 'Submit Changes', 'Delete Organization', 'Go Back', and 'Access Organization Controller'. The top right of the page shows a user profile icon and the text 'Welcome Alexander'. The footer contains the text '©APelo 6 TKnot | Last published on March 08 2024 11:29:29 AM'.

ATLAS

Welcome Alexander

**Organization Manager**

Site Admin Controller

- Manage Organizations
- Manage User Accounts
- Login Dashboard

Account Settings

Sign out

**Organization Editor**

Organization Name: Apple Inc

Organization Address: 392 Sunshine Ave

City: San Diego

State: State

Organization Zipcode: 31589

Organization Code: aGSUFUwPAW/WVG29DoJS

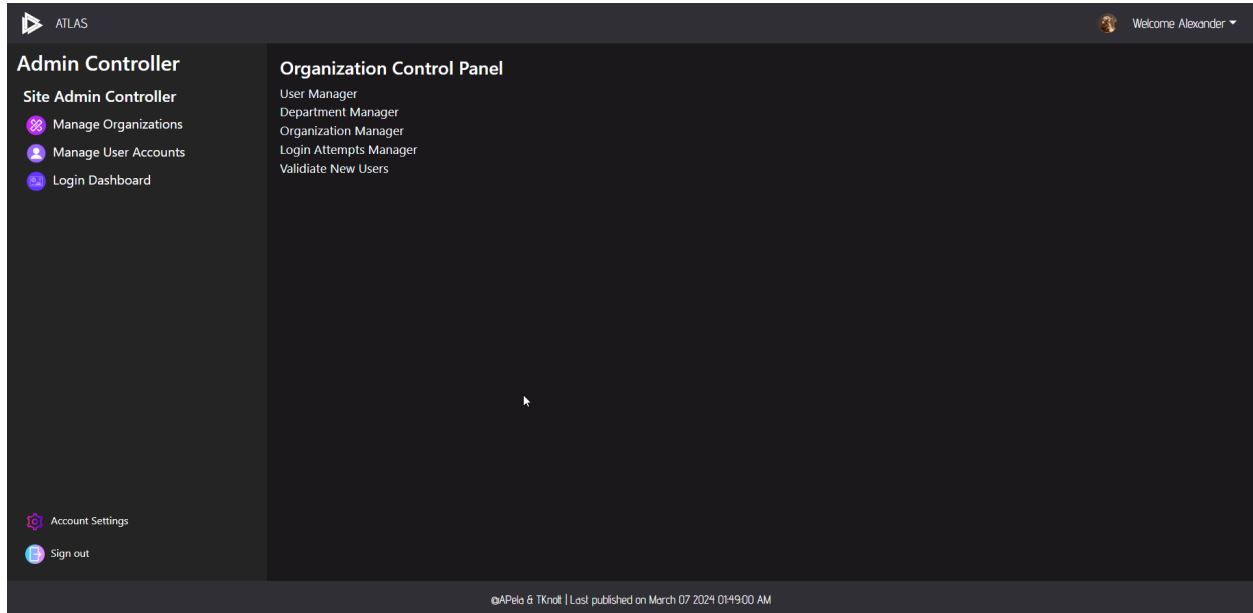
Submit Changes Delete Organization Go Back Access Organization Controller

©APelo 6 TKnot | Last published on March 08 2024 11:29:29 AM

- Reloads page to form with organizations data.
- Delete Organization button. (only for a site admin).
- Edit Organization button. (Brings back to either landing page if org admin, Site admin to org viewer)
- Access Organization Control Panel button (Brings to view of individual organizations functions).
- Text fields with organization Data.
- Error messages on each individual field (use RegEx to test for no “invalid” data).



## Org Controller



- Options are given that an organization admin would have that you could go to edit information for an individual organization/user in an organization.

## Department CRUD

The screenshot shows the 'Department Manager' interface for 'Apple Inc'. The header includes the ATLAS logo and a user profile 'Welcome Alexander'. The left sidebar lists navigation options: 'Site Admin Controller', 'Manage Organizations', 'Manage User Accounts', 'Login Dashboard', 'Account Settings', and 'Sign out'. The main content area displays the organization name 'Apple Inc' and address '392 Sunshine Ave, San Diego, AZ'. Below this are two buttons: 'Create New Department' and 'Go Back'. A table lists departments with columns for ID, Name, Email, and an 'Edit Department' button.

Department ID	Department Name	Department Email	Edit Department
9	AccountingTwo	accounting@apple.com	Edit
8	Finance	finance@apple.com	Edit
7	Marketing	marketing@apple.com	Edit
24	MathTeam	math@company.com	Edit

- List out all departments that are in an Org in the table.
- Add Option as a button outside on top of table.
- Edit Option inside the table.
- Form will either be blank or filled in depending on if add or edit was clicked. (dep email and name)
- Option to Delete if editing.

The screenshot shows the 'Department Manager' interface with the 'Edit Department' form open. The form has two input fields: 'Department Name' (containing 'AccountingTwo') and 'Department Email' (containing 'accounting@apple.com'). Below the fields are three buttons: 'Edit Department', 'Delete Department', and 'Go Back'. The rest of the interface, including the sidebar and header, is identical to the previous screenshot.

## User CRUD

ATLAS

Welcome Alexander

**Account Settings**

Site Admin Controller

- Manage Organizations
- Manage User Accounts
- Login Dashboard

**Manage User Accounts**

Create New User Account

First Name: Last Name: Select Organization:

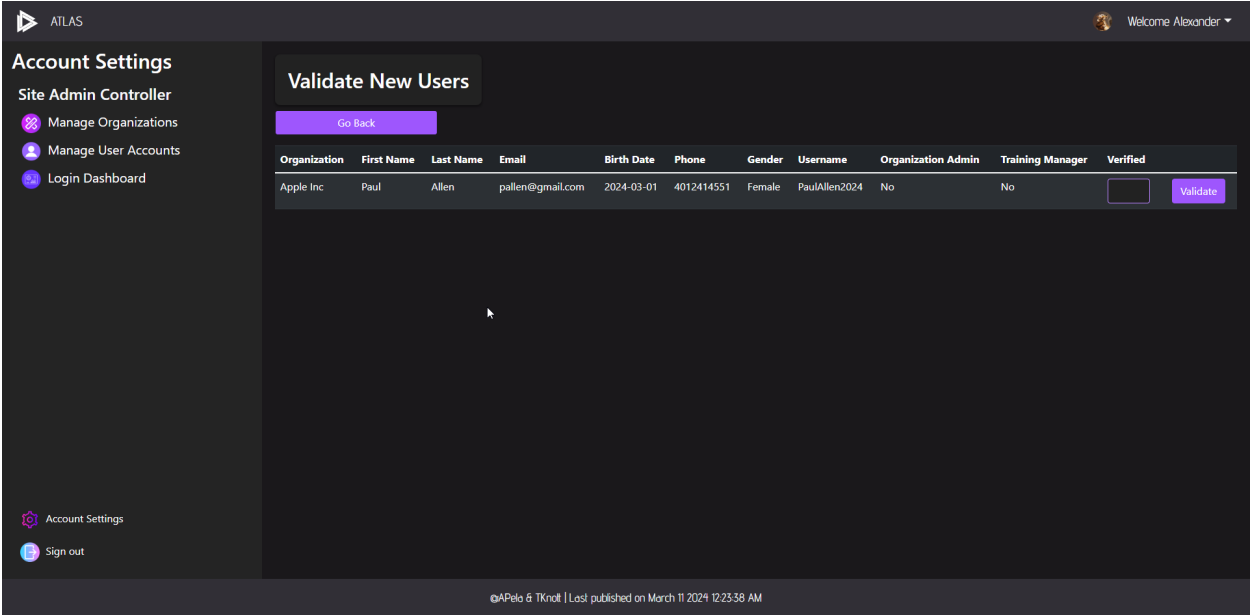
Gender: ☐ Male ☐ Female Site Admin: ☐ Yes ☐ No Org Admin: ☐ Yes ☐ No Training Manager: ☐ Yes ☐ No Search

	Organization	Full Name	Phone	Gender	Website Admin	Organization Admin	Training Manager	Verified	
Delete	Apple Inc	Paul Allen	pallen@gmail.com	Female	No	No	No	Yes	Edit
Delete	Chipotle	Jim Brown	jbrown@chipotle.com	Female	No	Yes	No	Yes	Edit
Delete	Apple Inc	John Kerry	jkerry@apple.com	Female	No	No	Yes	Yes	Edit
Delete	Atlas	Tristan Knott	knotttristan@gmail.com	Female	Yes	No	No	Yes	Edit
Delete	Toyota	Tristan Knott	knotttristan@gmail.com	Female	No	Yes	No	Yes	Edit
Delete	Atlas	Alexander Pela	apela9909@gmail.com	Male	Yes	No	No	Yes	Edit
Delete	Chipotle	Tupac Pela	apela9908@gmail.com	Male	No	No	Yes	Yes	Edit
Delete	Chipotle	matthew Pela	apela9907@gmail.com	Female	No	Yes	No	Yes	Edit
Delete	Apple Inc	Caitlyn Pela	apela9906@gmail.com	Male	No	Yes	No	Yes	Edit

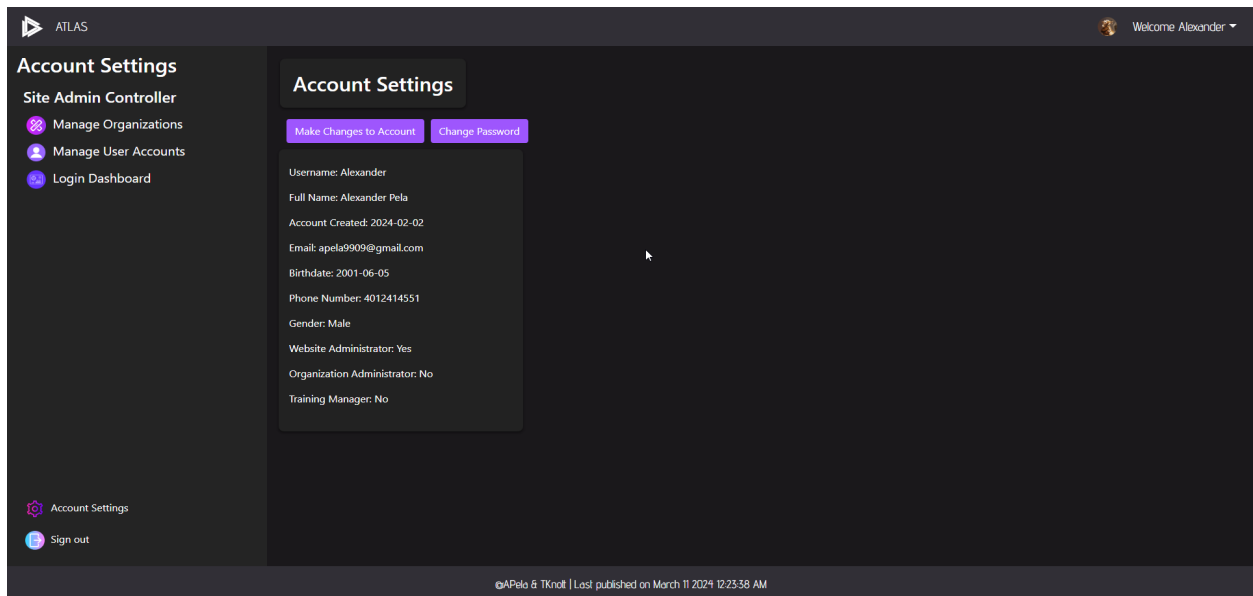
- Table of Users
- Search functionality based on a lot of properties of user.
  - First Name, Last Name, Select Organization, Gender, Site Admin, Org Admin, Training Manager.
- Add option for creating a user for someone ahead of time.
- Delete option for a user in table.
- Edit option (brings to edit user information page (see below))
  - Fill form out with that user's account settings, the ability to add rights.
  - Rights appear as square checkboxes with selected being purple and not selected being a more transparent color.
- Form will allow for Departments to be Changed etc.

# Validation User

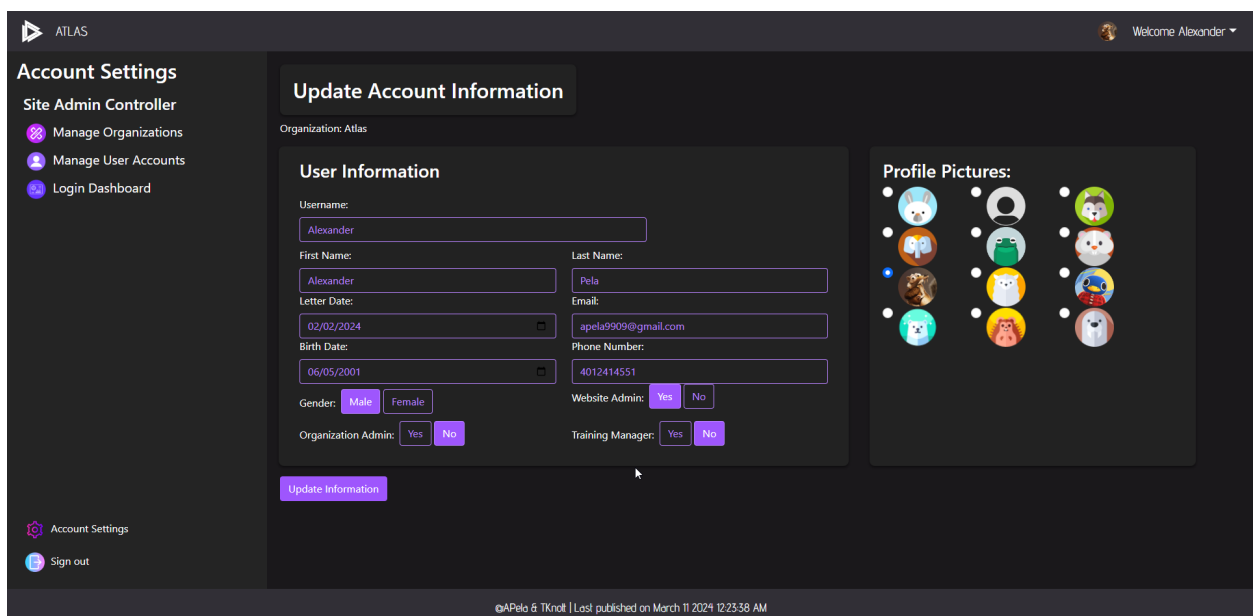
- Table of company’s user applicants.
- Button to Approve or Deny
- (Go back button is only present for a site admin accessing an organizations control panel.



## Account Settings (Personal/Update any user Settings)



- Profile Pic, Password Changes, General User Info etc. (see Figma)
- Two buttons bringing either to change password page or editing account information page.
  - Profile pic preselected choices.
  - General user information
  - Seeing user rights where appropriate and the ability to change settings based on rights. Personal information changeable by anyone, Rights only accessible my Admins.



## Reset Password

The screenshot shows the ATLAS web interface. At the top left is the ATLAS logo. At the top right is a user profile icon and the text "Welcome Alexander". On the left is a sidebar with "Account Settings" and "Site Admin Controller". Under "Site Admin Controller" are links for "Manage Organizations", "Manage User Accounts", and "Login Dashboard". At the bottom of the sidebar are "Account Settings" and "Sign out". The main content area is titled "Change Password". It lists password requirements: length (8-20 characters), at least one uppercase letter, at least one lowercase letter, at least one digit, and at least one special character. Below the requirements are two text input fields: "New Password" and "Confirm Password". A "Change Password" button is located below the "New Password" field. At the bottom of the page is a footer with the text "©APelo & TKnot | Last published on March 11 2024 12:23:38 AM".

ATLAS

Welcome Alexander

### Account Settings

Site Admin Controller

- Manage Organizations
- Manage User Accounts
- Login Dashboard

### Change Password

- Password length should be between 8 and 20 characters
- Password should contain at least one uppercase letter
- Password should contain at least one lowercase letter
- Password should contain at least one digit
- Password should contain at least one special character

New Password

Confirm Password

Change Password

Account Settings

Sign out

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- Two text inputs with new password and confirm password.
- Error validation if not the same
- Change password button.

## Login Dashboard

The screenshot shows the ATLAS Login Manager interface. On the left is a sidebar with the 'Login Manager' title and a 'Site Admin Controller' section containing links for 'Manage Organizations', 'Manage User Accounts', and 'Login Dashboard'. The main area is titled 'User Login Attempts' and features two search filters: 'Select Organization' and 'Select Organization ID to populate'. To the right of these filters are radio buttons for 'Successful Login' (set to 'Yes') and 'No', along with a 'Search' button. Below the filters is a table with columns: Full Name, Attempt Date, Successful, Comments, IP Address, and Edit. The table contains 15 rows of login attempt data. Each row has an 'Edit Comments' button in the 'Edit' column.

Full Name	Attempt Date	Successful	Comments	IP Address	Edit
Alexander Pela	2024-03-11 00:45:19	Yes		1	<a href="#">Edit Comments</a>
Tristan Knott	2024-03-08 23:43:04	Yes		1	<a href="#">Edit Comments</a>
Tristan Knott	2024-03-08 23:42:44	No		1	<a href="#">Edit Comments</a>
Alexander Pela	2024-03-08 19:45:35	Yes		1	<a href="#">Edit Comments</a>
Alexander Pela	2024-03-08 19:45:29	No		1	<a href="#">Edit Comments</a>
Alexander Pela	2024-03-08 19:17:18	Yes		1	<a href="#">Edit Comments</a>
Roberto Pela	2024-03-08 19:03:40	Yes		1	<a href="#">Edit Comments</a>
Caitlyn Pela	2024-03-08 19:03:01	Yes		1	<a href="#">Edit Comments</a>
Alexander Pela	2024-03-08 19:02:49	Yes		1	<a href="#">Edit Comments</a>
Alexander Pela	2024-03-08 18:50:30	Yes		1	<a href="#">Edit Comments</a>
Roberto Pela	2024-03-08 18:47:26	Yes		1	<a href="#">Edit Comments</a>
John Kerry	2024-03-08 18:26:14	Yes		1	<a href="#">Edit Comments</a>
Caitlyn Pela	2024-03-08 18:21:39	Yes		1	<a href="#">Edit Comments</a>

- Table to see Login Attempts last successful login etc. Higher levels can see other users (Org Admin/Web Admin).
- Search functionality for different fields to filter.
  - Org ID that when selecting an option updates User ID's to fill with all users in that appropriate Org. (Site Admin Only)
  - User ID that can be selected
  - Attempt Date (Date field)
  - Radio Select Button for whether a login was successful or not

# Past Training

- Search on text field and category.
  - Search button.
  - Create a new training entry button.
- List of all past submitted training.

ATLAS

Welcome John

Training Entries

Training Manager

- Training Validator
- Create New Training Module
- Training Modules Viewer
- Training Entry Viewer

Personal Training

- Log Training Event
- Training Modules Viewer
- View Past Training
- Login Dashboard

Account Settings

Sign out

Training Entry Viewer

Create new training entry

Course Name

Select Category

Search

User ID	First Name	Last Name	Course Name	Entry Date	Completion Date	Validated	Validation Date	Validation Comments	Credit Hours	Category	Description
31	John	Kerry	Introduction to React	2024-02-16	2024-01-14	Yes	2024-03-06		4	Software	Introductory skills into using React JavaScript library, preparing you to use fundamentals of the program
31	John	Kerry	Algebra II	2024-03-05	2024-03-01	Yes	2024-02-29	Great Job!	3	Problem-Solving	Highschool Level Math
31	John	Kerry	Algebra II	2024-03-08	2024-03-01	No			3	Leadership Development	Highschool Level Math
31	John	Kerry	z	2024-03-08	2024-03-01	No			3	ew	ewqdsqwdq

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## Individual Training CRUD

- Radio Button options for preset training or custom.
- Drops down form dependent on which selected.
- Form field options for whatever information is needed (Training Name etc.)

ATLAS

Welcome John

Training Entries

Training Manager

Training Validator

Create New Training Module

Training Modules Viewer

Training Entry Viewer

Personal Training

Log Training Event

Training Modules Viewer

View Past Training

Login Dashboard

Account Settings

Sign out

Select Training Module

Course Name	Description	Category	Credit Hours
Algebra II	Highschool Level Math	Leadership Development	3

Select User

Select Training Module

Completion Date:

Submit Training

Manually Input Training

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## Module Viewer

- Search fields on text input and select category.
- Module list out of all training available to a user.
  - Clicking a module provides more info about training and link to training (outside link)
- Option to Edit/Add/Delete if Training Manager

ATLAS

Welcome John

### Training Modules

#### Training Manager

- Training Validator
- Create New Training Module
- Training Modules Viewer
- Training Entry Viewer

#### Personal Training

- Log Training Event
- Training Modules Viewer
- View Past Training
- Login Dashboard

#### Account Settings

- Sign out

### Training Module Viewer

Create Training Module

Course Name  Select Category

	Course Name	Description	Category	Credit Hours	Website URL	
<input type="button" value="Delete"/>	Algebra II	Highschool Level Math	Leadership Development	3	<a href="http://brilliant.org">http://brilliant.org</a>	<input type="button" value="Edit"/>

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## Module CRUD

- Edit/Add a new Training for people you are a training manager for
- Form fields for whatever needed to create a training.
  - Text inputs
  - Search field.
- Category dropdown with limited options that can't be added to (50 or so options)

The screenshot displays the ATLAS Training Modules interface. On the left is a dark sidebar with the ATLAS logo and a 'Welcome John' message in the top right. The sidebar menu includes 'Training Modules' (with sub-items: Training Manager, Create New Training Module, Training Modules Viewer, Training Entry Viewer) and 'Personal Training' (with sub-items: Log Training Event, Training Modules Viewer, View Past Training, Login Dashboard). At the bottom of the sidebar are 'Account Settings' and 'Sign out'.

The main content area is titled 'Create Training Module' and contains a form with the following fields:

- Course Name:** A text input field with the placeholder 'Course Name'.
- Description:** A text input field with the placeholder 'Description'.
- Category:** A dropdown menu with 'Leadership Development' selected.
- Credit Hours:** A text input field with the placeholder 'Number of Credit Hours'.
- URL:** A text input field with the placeholder 'Enter URL'.

A blue 'Submit' button is located at the bottom of the form.

At the bottom of the page, a footer reads: '©APela & TKnot | Last published on March 08 2024 08:22:31 AM'.

# Training Validation Viewer

ATLAS

Welcome John

Training Entries

Training Manager

- Training Validator
- Create New Training Module
- Training Modules Viewer
- Training Entry Viewer

Personal Training

- Log Training Event
- Training Modules Viewer
- View Past Training
- Login Dashboard

Account Settings

Sign out

Validate Training Entries

First Name

Last Name

Entry Date:

mm/dd/yyyy

Completion Date:

mm/dd/yyyy

Search

Full Name	Course Name	Entry Date	Completion Date	Validated	Validation Date	Validation Comments	Credit Hours	Category	Description	
Roberto Pela	Algebra II	2024-03-05	2024-03-01	No			3	Problem-Solving	Highschool Level Math	Validate
Roberto Pela	z	2024-03-08	2024-02-29	No			3	ew	ewqdsqwdq	Validate
Roberto Pela	Algebra II	2024-03-08	2024-03-01	No			3	Leadership Development	Highschool Level Math	Validate
John Kerry	Algebra II	2024-03-08	2024-03-01	No			3	Leadership Development	Highschool Level Math	Validate
John Kerry	z	2024-03-08	2024-03-01	No			3	ew	ewqdsqwdq	Validate

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- Search fields to narrow results. (two date fields two text fields one search button)
- See table list out of all users who submitted training depending on user level.
  - Select validate to go to CRUD.

## **Training Validation CRUD**

- Form fills out.
- Approve or Deny Credit Hours.

- Text area field for validation comments 3 date fields and some text fields and two select fields).

The screenshot displays the 'Training Validator' interface. On the left is a dark sidebar with navigation links: 'training validator', 'Create New Training Module', 'Training Modules Viewer', 'Training Entry Viewer', 'Personal Training' (with sub-links 'Log Training Event', 'Training Modules Viewer', 'View Past Training', 'Login Dashboard'), 'Account Settings', and 'Sign out'. The main content area is white and contains a form with the following fields: 'Full Name' (text, value: Roberto Pera), 'Course Name' (text, value: Algebra II), 'Entry Date' (date, value: 03/05/2024), 'Completion Date' (date, value: 03/01/2024), 'Validated' (radio button, value: Yes), 'Validation Date' (date, placeholder: mm/dd/yyyy), 'Validation Comments' (large text area), 'Credit Hours' (text, value: 3), 'Category' (text, value: Problem-Solving), and 'Description' (text, value: Highschool Level Math). A blue 'Submit' button is at the bottom of the form. A footer at the bottom right reads '©APela & TKnott | Last published on March 08 2024 09:05:39 AM'.

## Design

### Desktop/Computer Layout:

The Desktop/Computer Layout of our ATLAS system is designed to optimize user experience on desktop and computer platforms only. With an intuitive and user-friendly interface, this layout ensures seamless navigation, allowing users to access and manage training programs efficiently. Tailored for desktop environments, it enhances the overall usability of the ATLAS system, providing a comfortable and effective interface for users.

### Web-based Application:

Our ATLAS is a cutting-edge web-based application, offering users the flexibility to access the system from any location with internet connectivity. This web-based architecture ensures universal accessibility, enabling users to manage training programs, view simple data metrics, and perform administrative tasks seamlessly through standard web browsers. The application is designed for compatibility across various devices, providing a consistent and optimal user experience.

# Technologies

- PHP (Handle Server Logic and Classes)
  - PHPMailer (Email Library for PHP if we manage to get around to this functionality (extra for us))
  - Gmail SMTP (Simple Mail Transfer Protocol)
- HTML 5
- JavaScript (Validation and dynamic Ajax Calls to Server)
- CSS & Bootstrap (Styling)
- MySQL Workbench (Database)
- XAMPP (Server for testing and building)

# Technical Limitations

ATLAS has some limitations due to the time constraints provided and our technologies used. Below is the list

## **Time Constraints:**

We wanted to add the ability to export data into CSV format for use in PowerBI.

PowerBI dashboards/visualizations on landing page.

Giving users Job codes for better organization of users in an organization.

Making search fields more dynamic and updating the table as you enter input rather than requiring a button.

## **Technology Constraints**

PHP uses a synchronous response model which means it needs to wait for a response from the server before continuing to write code. This means that our site by default isn't super dynamic and responsive. With the addition of some JavaScript and Ajax it starts to become more dynamic however PHP is very limited in that regard.



# Feedback and Resulting Changes

## Week 3 Presentation:

- Received feedback that our styling looked very dull.
  - The physical layout was correct we just had not decided on our assets/colors/fonts.
- Received feedback that some user input options were suboptimal.
  - Date Field to Date Time Input
  - Deleting buttons moved from some tables and added to others that did not have them.
- Feedback that some functionality was confusing for users to understand and that we needed to iron out specifics for certain sections of the prototype.
  - We were struggling to figure out how the project would work and what data we needed to track. We took this feedback to figure out what data we needed to track for our users and create a database.
- Feedback that tables needed search functionalities to reduce how much data is loaded for the user.
  - Search on certain fields to vastly reduce the number of results.

## Week 6 Presentation:

- Received feedback that we needed to have some navigation tools to go back pages/forms.
  - Created back buttons to allow a user to navigate backwards for necessary sections (Create an organization).
- Received feedback that some search fields could be organized better and to resize some content so make better use of space.
  - Edited all search forms to be organized better.
  - Rearranged some content to better fit the page.
- Received feedback that error validation messages should occur next to each input rather than as one unordered list at the top of any form.
  - Used Bootstrap Validation styling along with custom JavaScript, RegEx, and AJAX to validate acceptable user data.
- Received feedback on some generated assets.
  - Modified what colors were placed on some text/backgrounds.
    - For example, we modified some fields to not use a semitransparent purple background.

## Other Changes/Feedback:

- Footer/Aside/Header changed to not be sticky as it caused issues with content being cut off and it felt unnecessary for a website.
- Color changes made to aside to make it pop out more.