



ITERATION 5

LOUISVILLE BUSINESS ANALYSITS

TABLE OF CONTENTS

Bradley Erickson

Deshan Gardner

Chris James

Spencer Kerber

TABLE OF CONTENTS

Contents

Class Diagram	1
Data Dictionary	2
Student	3
Donor	4
Volunteer	5
Teacher	6
Administrator	7
User	8
Session	9
Course	10
Event	11
Donation	12
Photo	13
Grant Report	14
Survey	15
Stripe Payment	16
Windows Navigation Diagrams	17
Physical Architecture Design	18
Design Procedures for Security	19
Gantt Chart	20
Prototypes	21
Main Page	22
View Classes/Events Page	23
View Class/Event	24
Register for Class/Event page	25
Donate page	26

TABLE OF CONTENTS

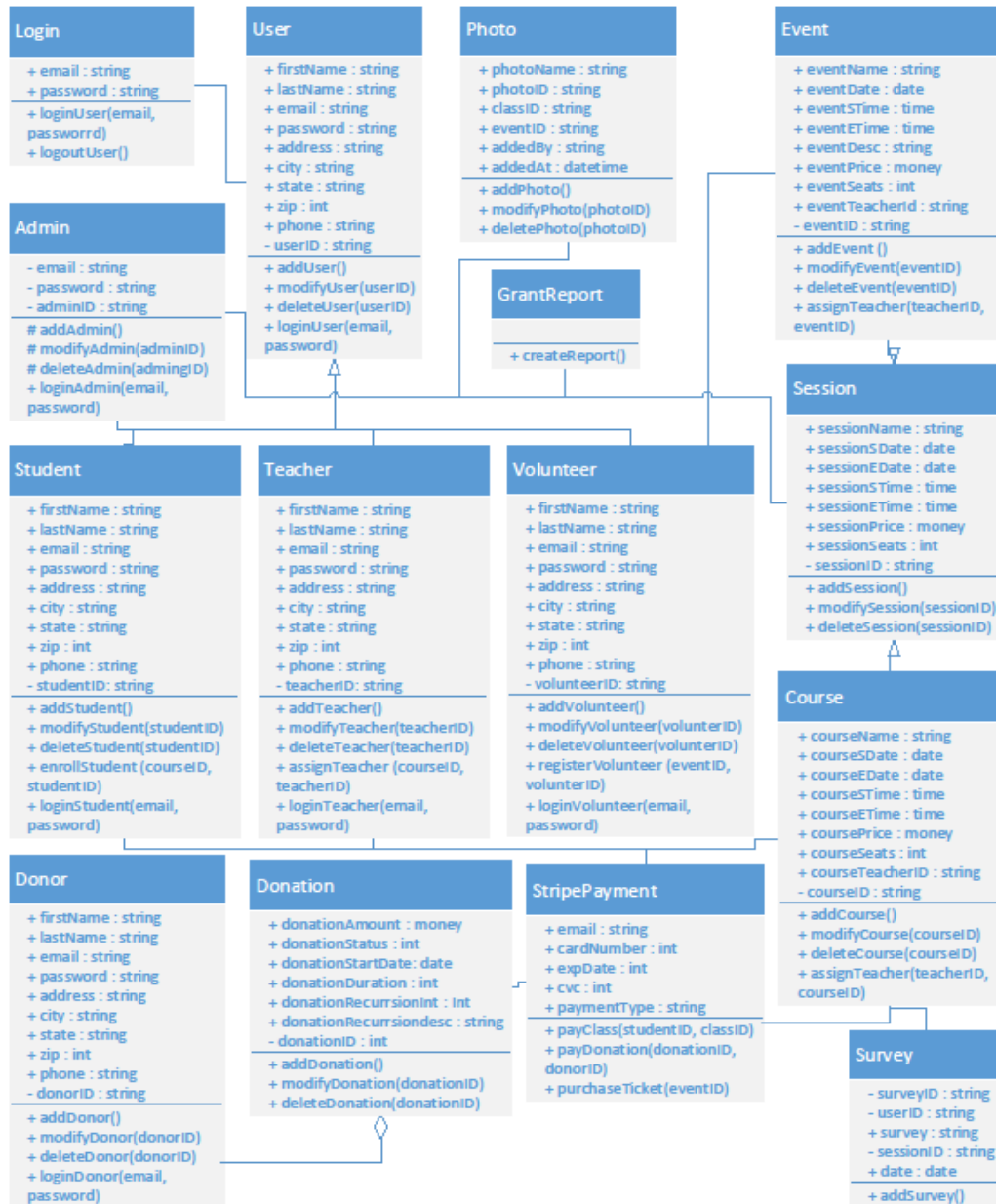
Donation Successful Page	27
LOLA Lovers Landing Page	28
Volunteer Login Page	29
Volunteer View Event Page	30
Volunteer Registration Page	31
Modify Volunteer Account Page	32
Admin Login Page	33
Admin Dashboard Page	34
Grant Report Page	35
Create Admin Account Page	36
View All Accounts Page	37
View All Classes/Events page	38
Add Volunteer Page	39
Add Teacher page	40
Modify Admin Account Page	41
Create Event Page	42
Edit Event Page	43
Login Teacher Page	44
Teacher Landing Page	45
Modify Teacher Page	46
Purchase Event Ticket Page	47

LOUISVILLE BUSINESS ANALYSTS

Class Diagram

HOW TO READ THE USE CLASS DIAGRAM

The class diagram displays how each user and action interacts with each other on a large scale.



Data Dictionary

HOW TO READ THE USE DATA DICTIONARY

The data dictionary displays all the different forms of data that the website will generate and used to function. Each data entry has a description. Each entry also holds sub entries containing details about itself and the size and type of data that each sub entry is.

USER

All the different types of users of the website, including students, donors, volunteers, teachers, and administrators will all be generated from an abstract user class which has basic attributes that are shared among all the different user classes.

SESSION

The two different types of sessions, courses and events, will be generated from an abstract session class. This session class has the common attributes that the course and event classes share.

LOUISVILLE BUSINESS ANALYSTS

Student

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length
Student	A user who is enrolling in courses	studentID	Unique identification number	integer	10
		firstName	First name of student	string	25
		lastName	Last name of student	string	25
		email	Email address of student (also serves as login)	string	25
		password	Password for account login	string	15
		address	Address of student	string	25
		city	City of student	string	25
		state	State of student	string	2
		zip	Zip code of student	integer	5
		phone	Phone number of student	string	12

LOUISVILLE BUSINESS ANALYSTS

Donor

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length
Donor	A user is donating to LOLA	donorID	Unique identification number	integer	10
		firstName	First name of donor	string	25
		lastName	Last name of donor	string	25
		email	Email address of donor (also serves as login)	string	25
		password	Password for account login	string	15
		address	Address of donor	string	25
		city	City of donor	string	25
		state	State of donor	string	2
		zip	Zip code of donor	integer	5
		phone	Phone number of donor	string	12

LOUISVILLE BUSINESS ANALYSTS

Volunteer

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length
Volunteer	A user is volunteering for LOLA	volunteerID	Unique identification number	integer	10
		firstName	First name of volunteer	string	25
		lastName	Last name of volunteer	string	25
		email	Email address of volunteer (also serves as login)	string	25
		password	Password for account login	string	15
		address	Address of volunteer	string	25
		city	City of volunteer	string	25
		state	State of volunteer	string	2
		zip	Zip code of volunteer	integer	5
		phone	Phone number of volunteer	string	12

LOUISVILLE BUSINESS ANALYSTS

Teacher

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length
Teacher	A user who is teaching courses at LOLA	teacherID	Unique identification number	integer	10
		firstName	First name of teacher	string	25
		lastName	Last name of teacher	string	25
		email	Email address of teacher (also serves as login)	string	25
		password	Password for account login	string	15
		address	Address of teacher	string	25
		city	City of teacher	string	25
		state	State of teacher	string	2
		zip	Zip code of teacher	integer	5
		phone	Phone number of teacher	string	12

LOUISVILLE BUSINESS ANALYSTS

Administrator

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length
Admin	Person with administrator account and privileges	adminID	Unique identification number	integer	10
		firstName	First name of administrator	string	15
		lastName	Last name of administrator	string	20
		email	Email/username of administrator	string	25
		password	Password for administrator account	string	15

LOUISVILLE BUSINESS ANALYSTS

User

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length
User	Abstract class containing all user classes	userID	Unique identification number	integer	10
		firstName	First name of user	string	20
		lastName	Last name of user	string	20
		email	Email address/username of user	string	25
		password	Password related to user account	string	10
		userType	Type of user account (admin, student, teacher, donor, volunteer)	string	20

LOUISVILLE BUSINESS ANALYSTS

Session

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length
Session	Abstract class for an event or course LOLA is hosting	sessionID	Unique identification number	integer	10
		sessionName	Name of the event	string	25
		sessionDescription	Description of the event	string	500
		sessionSDate	Date of the event	string	25
		sessionEDate	End date of session	string	25
		sessionSTime	Start time of session	string	10
		sessionETime	End time of session	string	10
		sessionPrice	Price of session	Decimal	4
		sessionSeats	Seats available for session	Int	3

LOUISVILLE BUSINESS ANALYSTS

Course

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length
Course	A course offered to students at LOLA	courseID	Unique identification number	integer	10
		courseName	Name of the course	string	25
		courseDescription	Description of the course	string	500
		courseSDate	Start date of the course	string	10
		courseEDate	End date of the course	string	10
		courseSTime	Start time of the course	string	10
		courseETime	End time of the course	string	10
		coursePrice	Price of enrollment of course	integer	3
		courseSeats	Number of seats available in course	Integer	2
		teacherID	Teacher ID of related teacher	Integer	10

LOUISVILLE BUSINESS ANALYSTS

Event

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length
Event	An event which LOLA hosts and sells tickets for	eventID	Unique identification number	integer	10
		eventName	Name of the event	string	25
		eventDescription	Description of the event	string	500
		eventDate	Date of the event	string	25
		eventSTime	Start time of the event	string	10
		eventETime	End time of the event	string	10
		eventPrice	Price of tickets for the event	string	10
		eventSeats	Number of seats available for event	integer	3

Donation

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length
Donation	A monetary donation made by a donor with account	donationID	Unique identification number	integer	10
		donationAmount	Amount of donation	Decimal	7
		donationStatus	Status of donation (either one-time or recurring)	int	1
		donationSDate	Start date of recurring donation	string	10
		Duration	Duration of recurring donation	Int	3
		donationRecursion	Number of times the donation will reoccur in desired period	Int	2
		donationRecursionType	Period of donation recursion (monthly, quarterly, semi-annually, annually)	String	20
		donorID	Donor ID of related donor	Int	10

LOUISVILLE BUSINESS ANALYSTS

Photo

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length
Photo	A photo uploaded to LOLA's website	photoID	Unique identification number	integer	10
		photoName	Name of the photo	string	25
		photoDescription	Description of the photo	string	500
		sessionID	Session ID of related course or event	Int	10
		addedBy	Name of admin who uploaded photo	string	20
		dateAdded	Date when photo was uploaded	string	10

Grant Report

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length
Grant Report	A grant report generated by LOLA admin	donorData	Donor table containing data related to donors and donations	.xml	
		studentData	Stdent table containing data related to students and classes	.xml	
		eventData	Event table containing data related to events and ticket sales	.xml	

LOUISVILLE BUSINESS ANALYSTS

Survey

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length
Survey	A survey completed by LOLA user	surveyID	Unique identification number	integer	10
		userID	ID of user completing suvey	Int	10
		survey	Survey created by user	string	1000
		sessionID	ID of session surveyed	Int	10
		date	Date of survey	string	15

LOUISVILLE BUSINESS ANALYSTS

Stripe Payment

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length
Stripe Payment	Payment made to LOLA using Stripe Payment System	Email	Email address of user making payment	String	20
		cardNumber	Card number of card making payment	Int	20
		expDate	Expiration date of related card	Int	4
		cvc	CVC code of related card	Int	5
		paymentType	Type of payment (donation, tuition, ticket purchase)	string	20

Windows Navigation Diagrams

A Windows Navigation Diagram shows how the system is laid out starting with the landing page, which in this case would be the home page of the site. It displays the buttons or links that are needed to be clicked to navigate to the next screen. The lines show how one screen are connected to another. The main links from the home page are Classes/Events landing page, Donation Landing Page, and the LOLA Lovers Landing page. The LOLA Lovers Landing page is where teachers, volunteers and Admins will go to go to log in to get to more functionality.

Physical Architecture Design

Design Procedures for Security

OUR SECURITY

As mentioned in the nonfunctional requirements, the staff will have access to the system through any web browser. The user will have to authenticate an employee username and password every time they log into the system regardless of browser.

Students

Students will need to provide both username and password for verification when logging into their account.

Donors

Donors will need to provide both username and password for verification when logging into their account.

Teachers

Teachers will need to provide both username and password for verification when logging into their account.

Volunteers

Volunteers will need to provide both username and password for verification when logging into their account.

Administrators

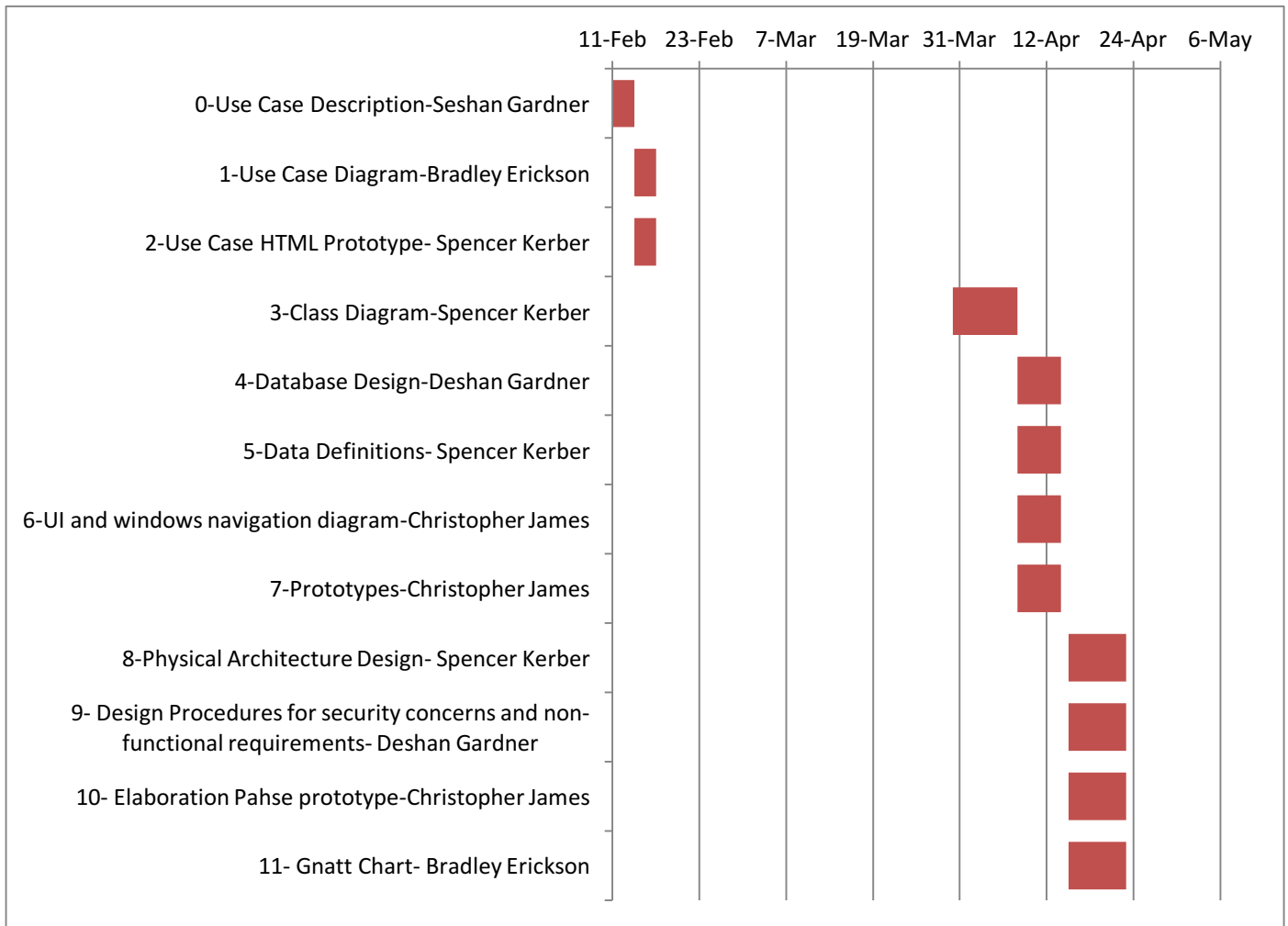
Administrators will need to provide both username and password for verification when logging into their account.

A SMALL ORANGE SECURITY

The online database and backup software we plan to incorporate provides 24/7/365 monitoring and provides alerts for any network update that could affect your service

LOUISVILLE BUSINESS ANALYSTS

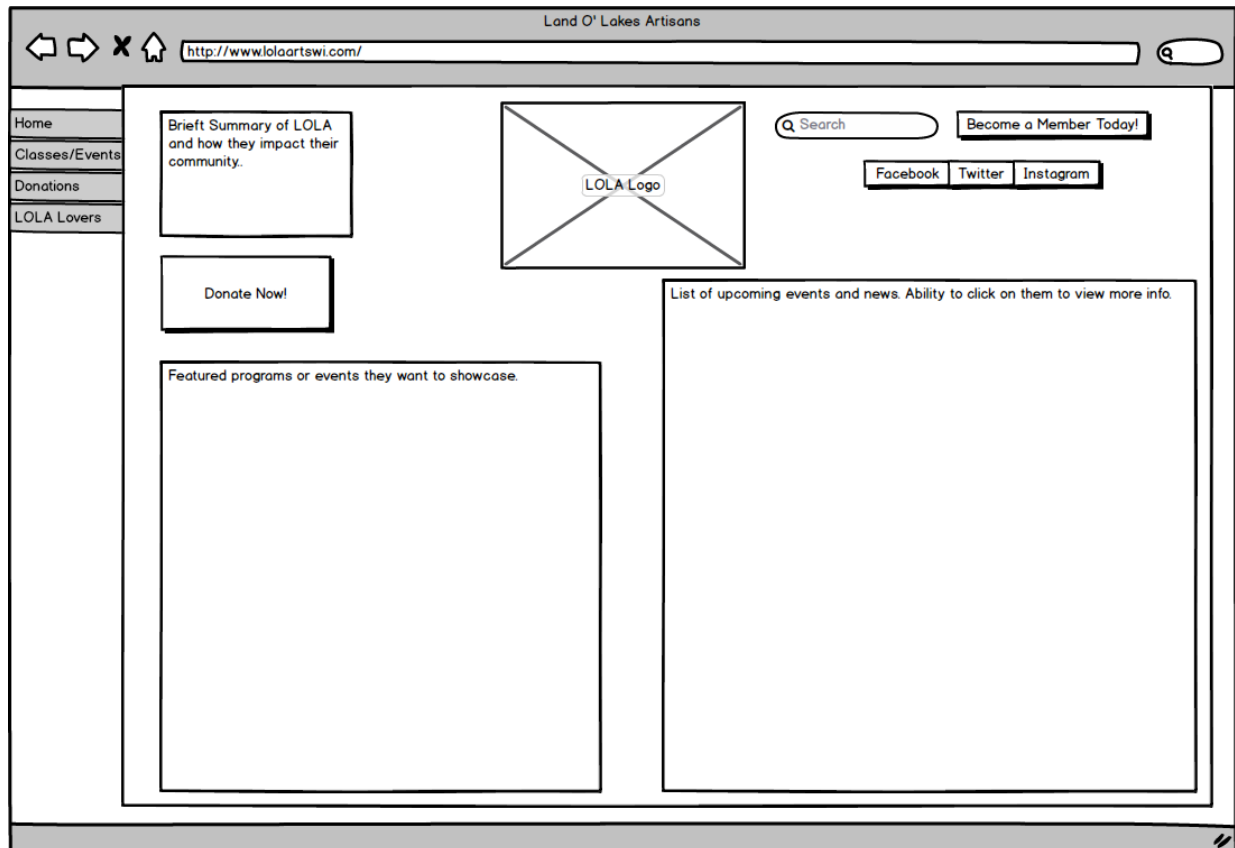
Gantt Chart



Prototypes

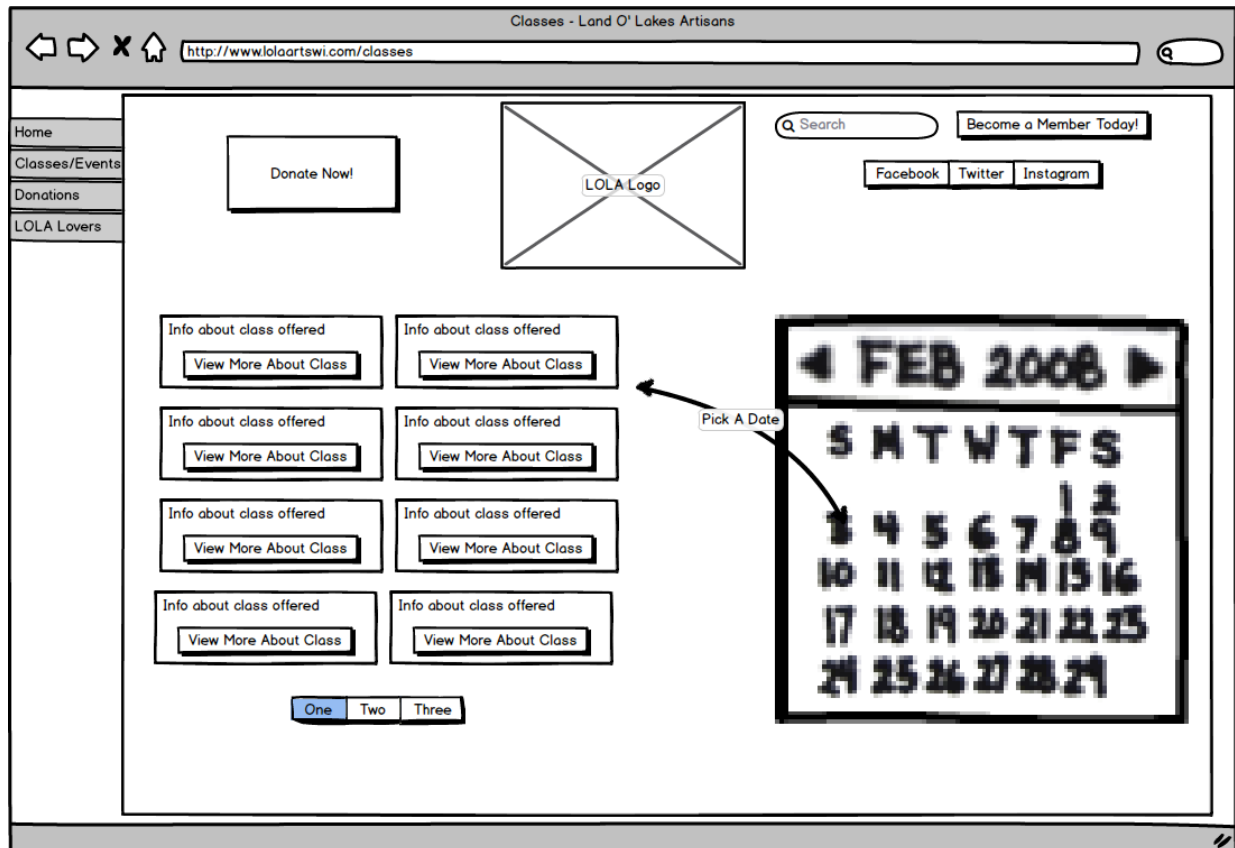
LOUISVILLE BUSINESS ANALYSTS

Main Page

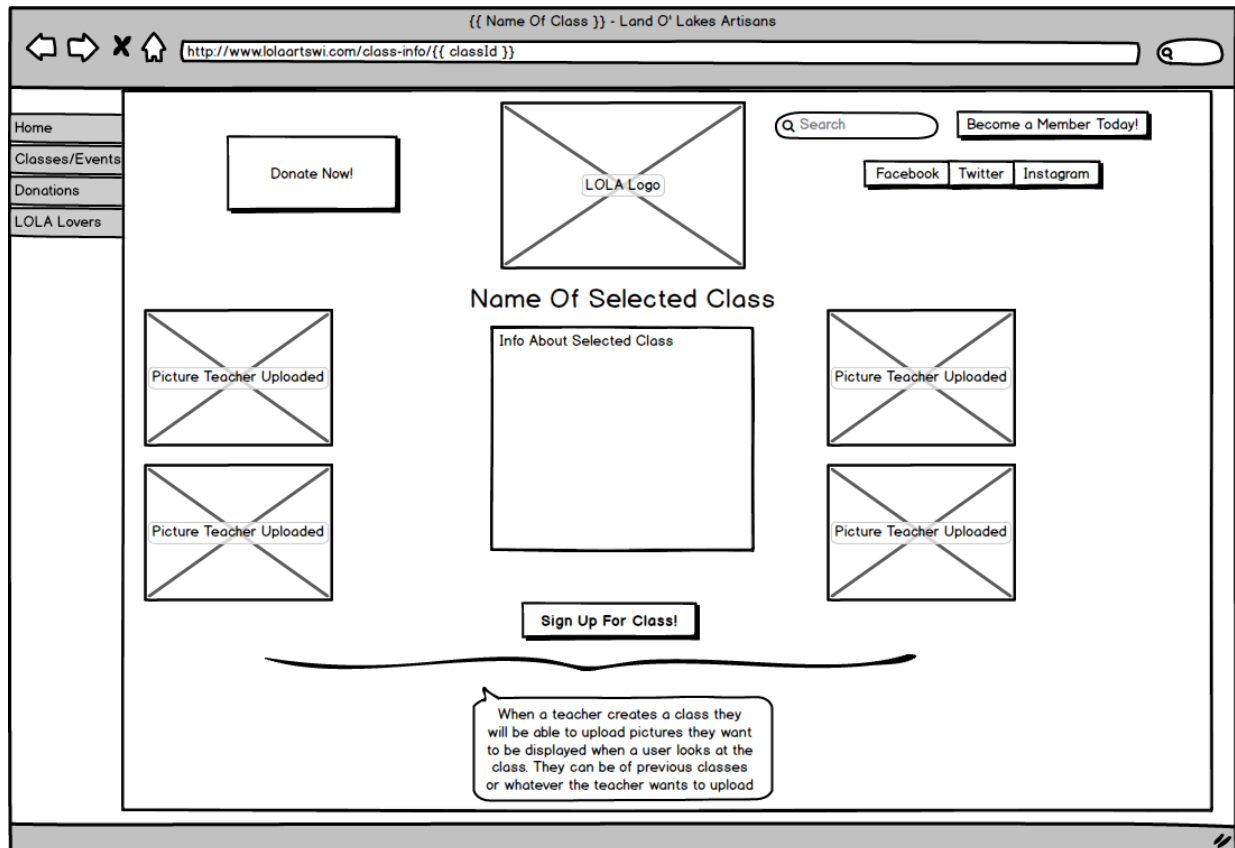


LOUISVILLE BUSINESS ANALYSTS

View Classes/Events Page



View Class/Event



LOUISVILLE BUSINESS ANALYSTS

Register for Class/Event page

Class Registration For {{ Name of Class }} - Land O' Lakes Artisans

http://www.lolaartswi.com/class-registration/{{ classID }}

Home

Classes/Events

Donations

LOLA Lovers

Short Info about class they are signing up for.

LOLA Logo

Search

Become a Member Today!

FacebookTwitterInstagram

You can signup online and save 5% on the class or if you want you can still register by calling 555-555-5555.

First Name

Last Name

Address Line One

Address Line Two

Country

State

Zip Code

Phone Number

Class Name

Class Date

Class Price

Teacher

Payment Info

Name On Card

Card Number

Number On Back Of Card

Expiration Date

Process Payment

LOUISVILLE BUSINESS ANALYSTS

Donate page

Donations - Land O' Lakes Artisans

http://www.lolaartswi.com/donations

Home
Classes/Events
Donations
LOLA Lovers

Some text on why donating to LOLA is a good idea. What it means to their community and their members.

LOLA Logo

Search

Become a Member Today!

Facebook Twitter Instagram

First Name Last Name

Address Line One Address Line Two

Country State

Zip Code Phone Number

What Project Do You Want To Donate Money Towards?

Payment Info

Name On Card Card Number

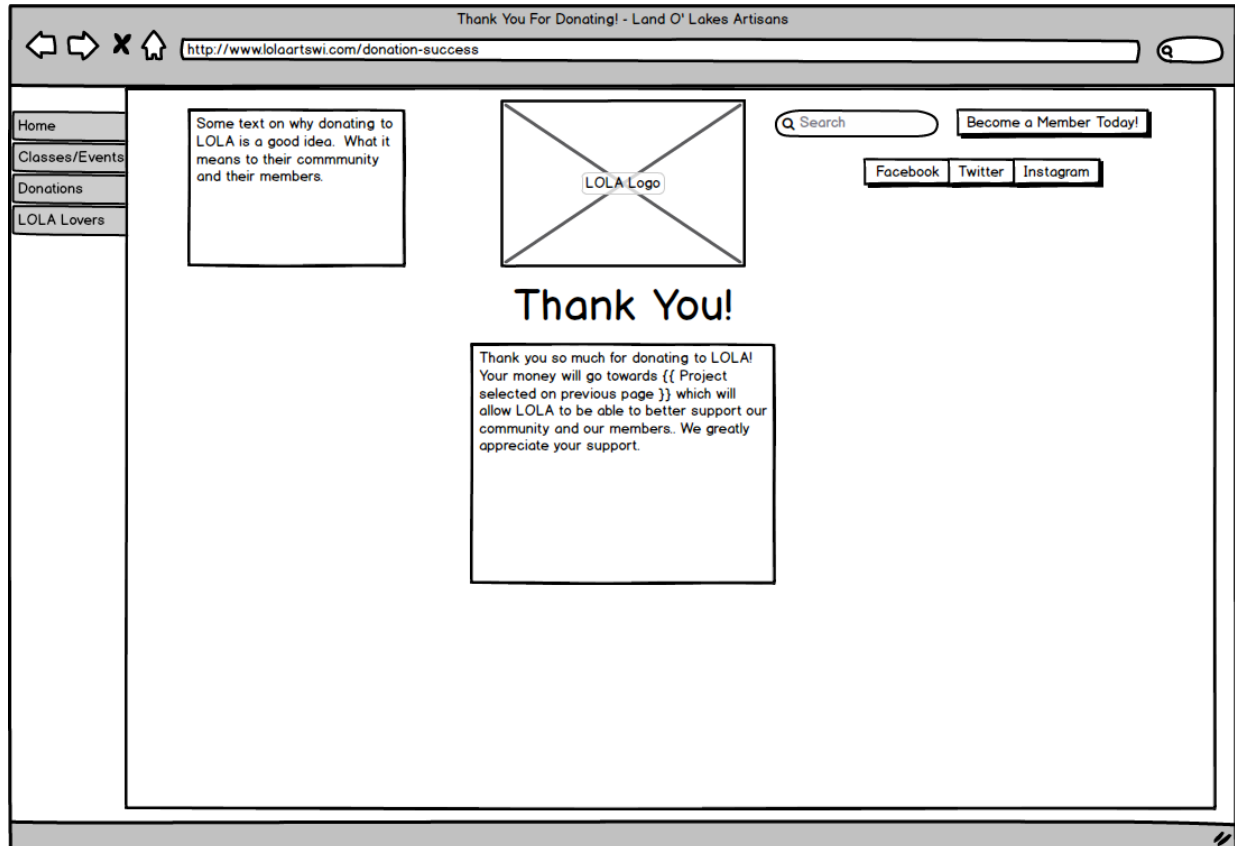
Amount To Donate Number On Back Of Card

Expiration Date

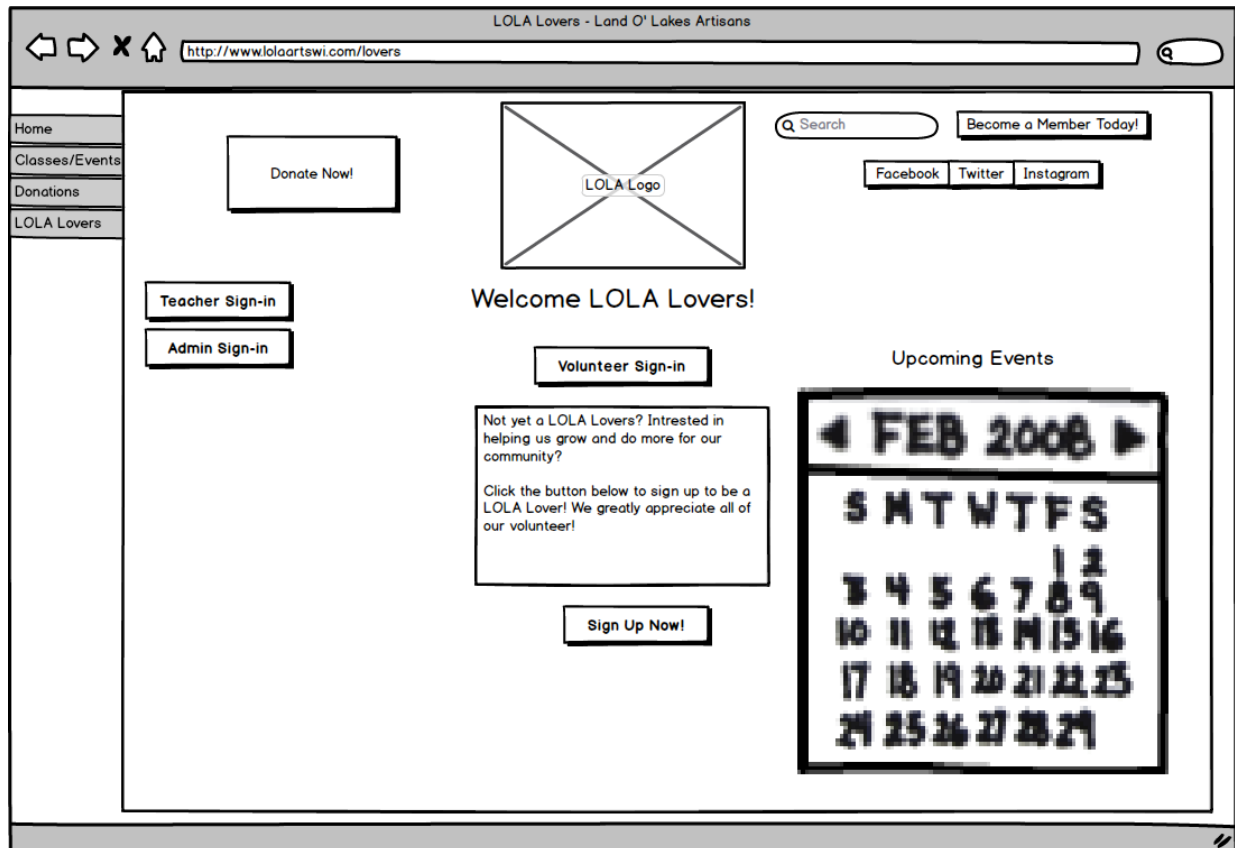
Process Donation

Allow users to select projects that LOLA wants money to be donated towards. Could be new classroom, buy equipment, etc

Donation Successful Page



LOLA Lovers Landing Page



LOUISVILLE BUSINESS ANALYSTS

Volunteer Login Page

LOLA Lovers - Volunteer Login - Land O'Lakes Area Artisans

http://www.lolaartswi.com/lovers/volunteer-login/

Home

Classes / Events

Donations

LOLA Lovers

LOLA Logo

search

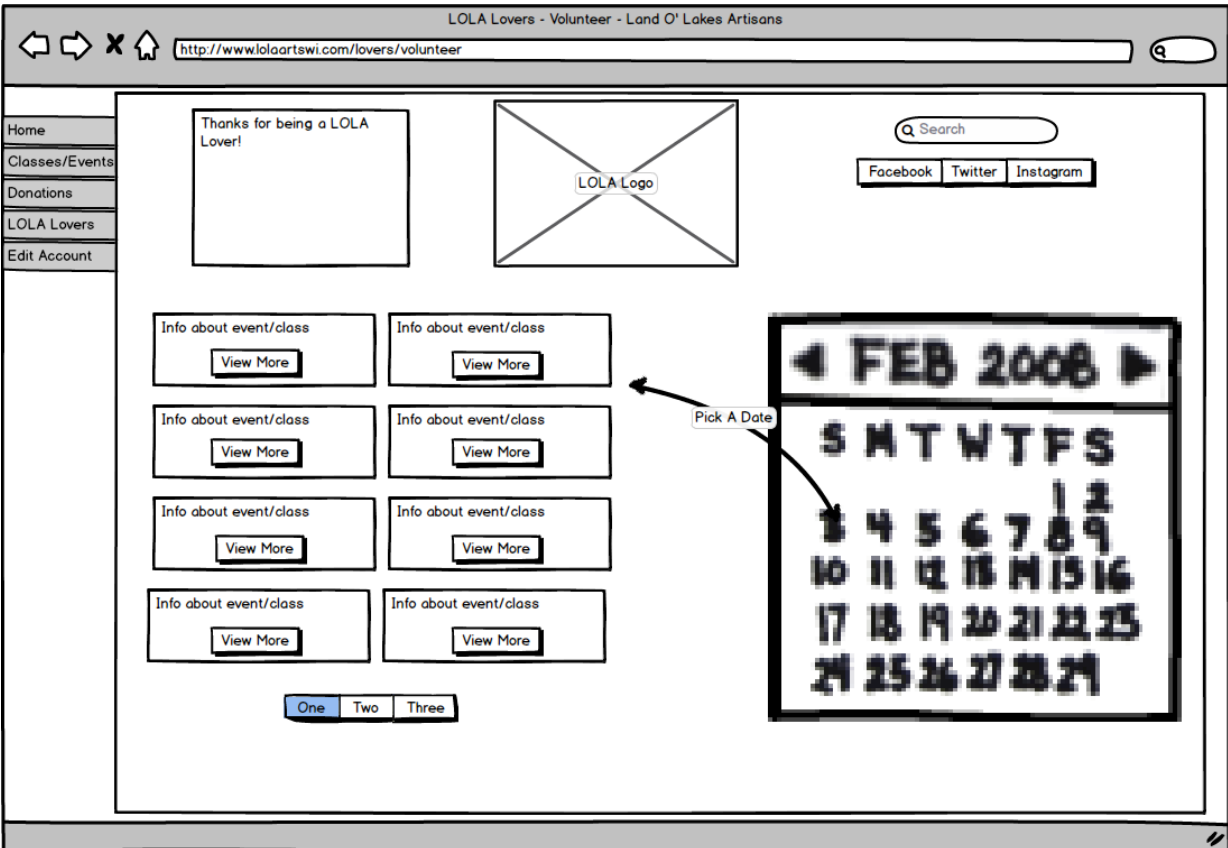
Enter Username:

Enter Password:

Log in

[Forgot Username/Password](#)

Volunteer View Event Page



LOUISVILLE BUSINESS ANALYSTS

Volunteer Registration Page

LOLA Lovers - Volunteer Registration For {{ Name of Class/Event }} - Land O' Lakes Artisans

http://www.lolaartswi.com/lovers/volunteer-registration/{{ classID/EventID }}

Home
Classes/Events
Donations
LOLA Lovers
Edit Account

Short Info about event/class

LOLA Logo

Search

Become a Member Today!

Facebook Twitter Instagram

Class/Event Name
Class/Event Date
Teacher/Host

Event Info
What is needed by the volunteers
How many volunteers are needed
How many are signed up
Which volunteers are signed up

Wendy: I am signed up to register this event. You guys want me to bring anything special?
Me: No, I think we have it handled. You could always bring those famous chocolate chip cookies though!
Wendy: Okay! I can do that.

Since to get to the LOLA Lovers part of the site a LOLA Lover will need to be logged in. Since they are logged in they do not have to submit any more information to be able to sign up to volunteer for a class or event.

Messaging Widget for this class/event. So volunteers can communicate with each other about events/classes.

Sounds good! See you then!

Submit Message

I want to volunteer!

LOUISVILLE BUSINESS ANALYSTS

Modify Volunteer Account Page

LOLA Lovers - Volunteer Account Modification - Land O'Lakes Area Artisans

http://www.lolaartswi.com/lovers/volunteer-edit/

Home
Classes / Events
Donations
LOLA Lovers
Account Edit

LOLA Logo

Enter First Name: Enter Address:

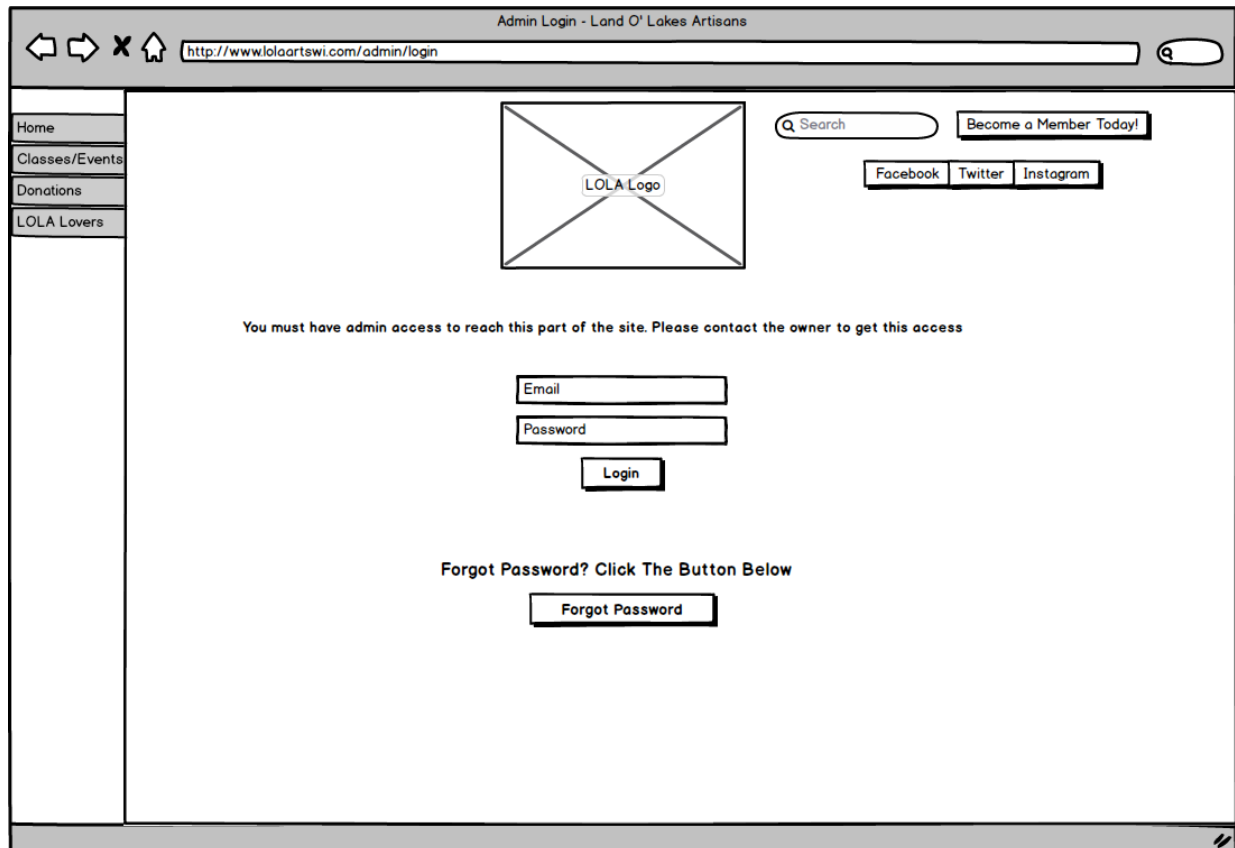
Enter Last Name: Enter City:

Enter Email Address: Select State: ▼

Enter Password: Enter Zip:

Re-Enter Password: Phone Number:

Admin Login Page



The image is a wireframe of an admin login page for a website titled "Admin Login - Land O' Lakes Artisans". The browser's address bar shows the URL "http://www.lolaartswi.com/admin/login". On the left, there is a vertical navigation menu with links for "Home", "Classes/Events", "Donations", and "LOLA Lovers". The main content area features a large placeholder for the "LOLA Logo" at the top center. To the right of the logo area, there is a search bar with a magnifying glass icon and the text "Search", a button labeled "Become a Member Today!", and three social media buttons for "Facebook", "Twitter", and "Instagram". Below the logo placeholder, a message states: "You must have admin access to reach this part of the site. Please contact the owner to get this access". Underneath this message are two input fields labeled "Email" and "Password", followed by a "Login" button. At the bottom of the login section, there is a link that says "Forgot Password? Click The Button Below" with a corresponding "Forgot Password" button.

Admin Login - Land O' Lakes Artisans

http://www.lolaartswi.com/admin/login

Home

Classes/Events

Donations

LOLA Lovers

LOLA Logo

Search

Become a Member Today!

Facebook Twitter Instagram

You must have admin access to reach this part of the site. Please contact the owner to get this access

Email

Password

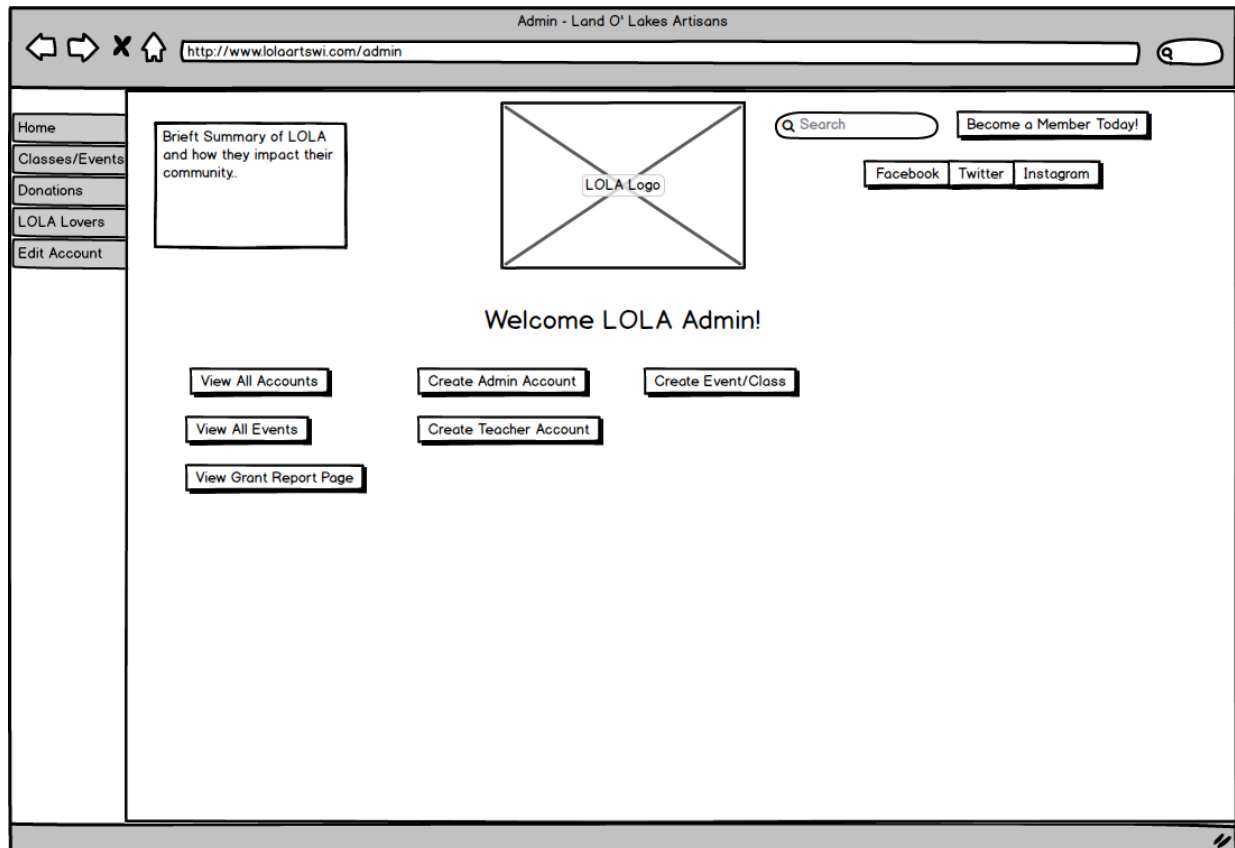
Login

Forgot Password? Click The Button Below

Forgot Password

LOUISVILLE BUSINESS ANALYSTS

Admin Dashboard Page





Create Admin Account Page

Admin Account Creation - Land O' Lakes Artisans

http://www.lolaartswi.com/admin/create-account

Home
Classes/Events
Donations
LOLA Lovers
Edit Account

LOLA Logo

Search

Become a Member Today!

Facebook Twitter Instagram

Create A New Admin User. Please fill out the information below.
An Email will be sent to the user to set their password.

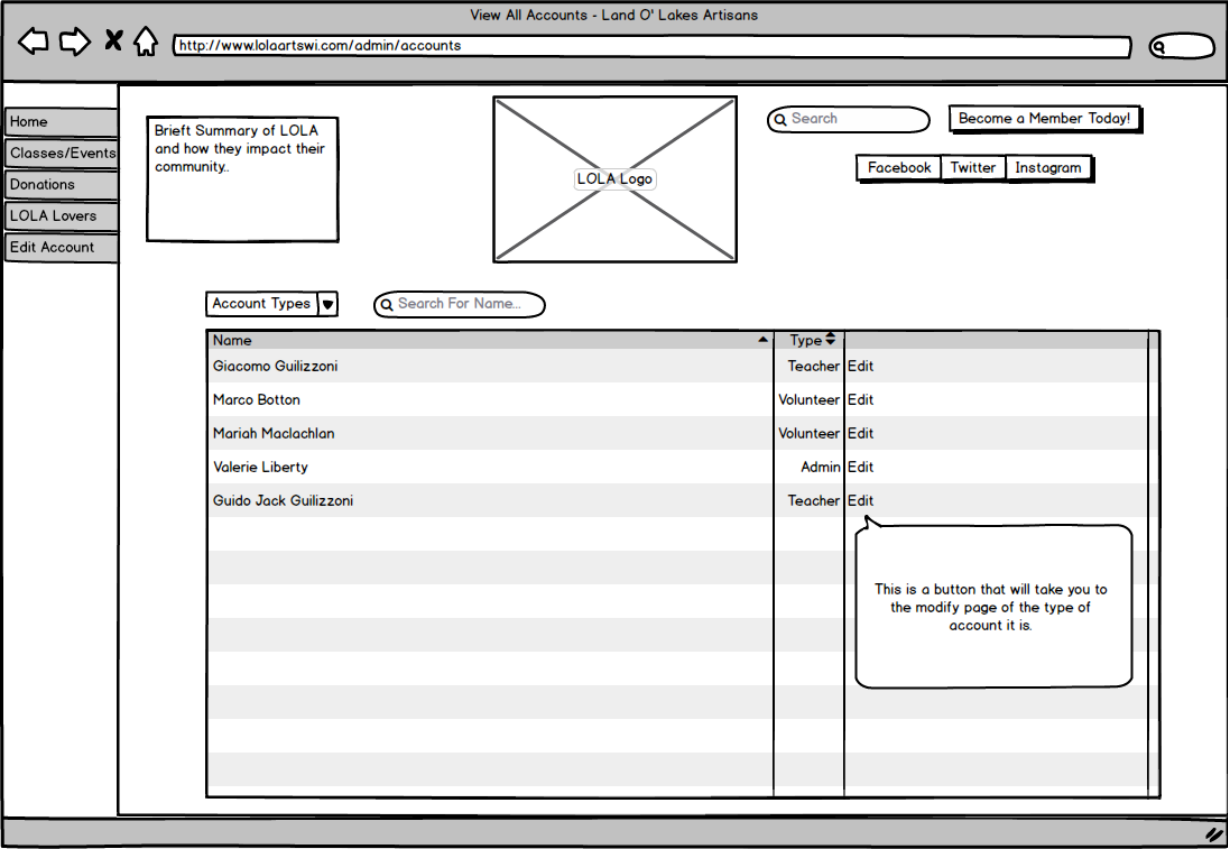
First Name Last Name

Email

☒ Send Account Creation Email

LOUISVILLE BUSINESS ANALYSTS

View All Accounts Page



LOUISVILLE BUSINESS ANALYSTS

View All Classes/Events page

View All Events - Land O' Lakes Artisans

← → × ↗

http://www.lolaartswi.com/admin/events

Q

Home

Classes/Events

Donations

LOLA Lovers

Edit Account

Brief Summary of LOLA and how they impact their community.

LOLA Logo

Q Search

Become a Member Today!

Facebook Twitter Instagram

Event Types ▼

Q Search For Name...

Date Range ▼

Name of Event	Type	Date	
Photography 101	Class	March 24	Edit
Bird Watching March	Class	March 16	Edit
Big Dance Fundraiser	Event	March 30	Edit

LOUISVILLE BUSINESS ANALYSTS

Add Volunteer Page

LOLA Lovers - Volunteer Account Creation - Land O'Lakes Area Artisans

[http://www.lolaartswi.com/lovers/volunteer-create/](#)

Home
Classes / Events
Donations
LOLA Lovers

LOLA Logo

search

Enter First Name:

Enter Address:

Enter Last Name:

Enter City:

Enter Email Address:

Select State: ▼

Enter Password:

Enter Zip:

Re-Enter Password:

Enter Phone Number:

LOUISVILLE BUSINESS ANALYSTS

Add Teacher page

Teacher Account Creation - Land O'Lakes Area Artisans

[http://www.lolaartswi.com/admin/instructoraccountcreation/](#)

Home
Classes / Events
Donations
LOLA Lovers

LOLA Logo

search

Teacher Account Creation

Enter First Name:

Enter Address:

Enter Last Name:

Enter City:

Enter Email Address:

Select State: ▼

Enter Password:

Enter Zip:

Re-Enter Password:

Enter Phone Number:

Modify Admin Account Page

Admin Account Creation - Land O' Lakes Artisans

http://www.lolaartswi.com/admin/modify-account/{{ adminId }}

Home
Classes/Events
Donations
LOLA Lovers

Search

Become a Member Today!

Facebook Twitter Instagram

LOLA Logo

Admin Account Can Be Edited From This Page

First Name Last Name

Email

Save Changes Delete Account

LOUISVILLE BUSINESS ANALYSTS

Create Event Page

Admin Event Creation - Land O' Lakes Artisans

http://www.lolaartswi.com/admin/class-create

Q Search

Become a Member Today!

FacebookTwitterInstagram

Home

Classes/Events

Donations

LOLA Lovers

Account Edit

LOLA Logo

Event Photo Managment

Here you can add, modify the order or delete the photos that will be showcased to the students when the view class information. You can click and drag the images to reorder them. The order the images will be saved automatically.

One

Two

Three

Add Photo

Delete Selected Photos

Event Creation

Name Of Event/Class

End Date Of Event/Class

Event

Class

Start Date Of Event/Class

If you are creating a class, who is the teacher. If you are the teacher you can leave this blank. This is used if you are creating this event for someone else

Teacher Name

ClassRoom1

ClassRoom2

Please List Any Things You Might Need LOLA To Provide For This Event/Class And We Will Try To Provide Them For You. If We Cannot, We Will Be In Touch.

Create Event

Pricing

Non-Member Price

Member Price

Page 42

Edit Event Page

Admin Class Edit - {{ Name Of Class }} - Land O' Lakes Artists

http://www.lolaartswi.com/admin/class-info/{{ classId }}

Home

Classes/Events

Donations

LOLA Lovers

Edit Account

LOLA Logo

Event Photo Managment

Here you can add, modify the order or delete the photos that will be showcased to the students when the view class information. You can click and drag the images to reorder them. The order the images will be saved automatically.

One

Two

Three

Add Photo

Delete Selected Photos

Name Of Class

Info About Selected Class

Class Registration Information

Info about students that have signed up

If need be, you can cancel this event by clicking on the button below. If this event has been published to the public and students have signed up for this event, they will get notified via email and a refund will be given.

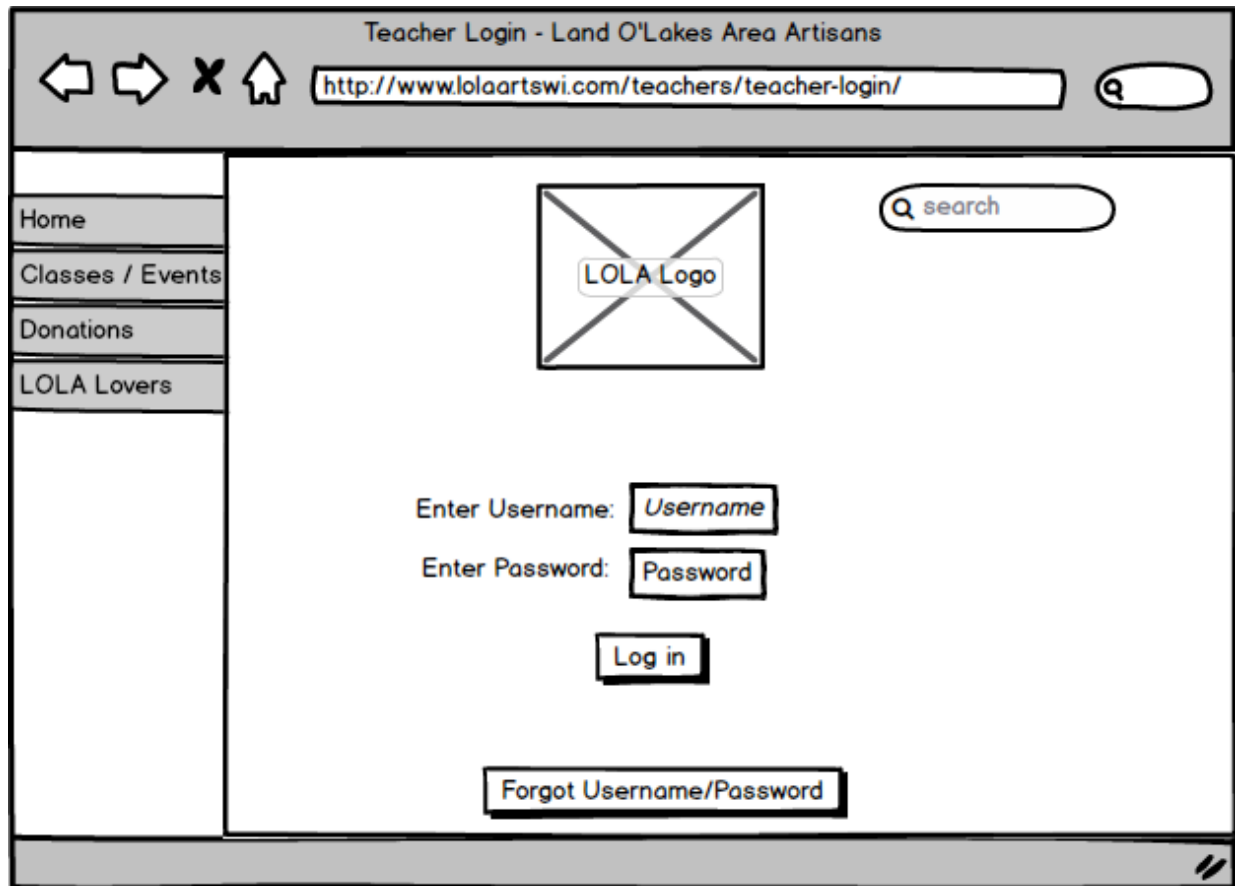
Cancel Event

Save Class Information

Page 43

LOUISVILLE BUSINESS ANALYSTS

Login Teacher Page



The image is a hand-drawn mockup of a web browser window titled "Teacher Login - Land O'Lakes Area Artisans". The browser's address bar shows the URL "http://www.lolaartswi.com/teachers/teacher-login/". On the left side of the page is a vertical navigation menu with the following items: "Home", "Classes / Events", "Donations", and "LOLA Lovers". The main content area features a placeholder for the "LOLA Logo" (a square with an 'X' and the text "LOLA Logo"), a search bar with a magnifying glass icon and the word "search", and a login form. The login form consists of two input fields: "Enter Username:" followed by a box labeled "Username", and "Enter Password:" followed by a box labeled "Password". Below these fields is a "Log in" button. At the bottom of the form is a link labeled "Forgot Username/Password". The browser window has standard navigation icons (back, forward, stop, home) and a search icon in the top right corner.

Teacher Login - Land O'Lakes Area Artisans

http://www.lolaartswi.com/teachers/teacher-login/

Home

Classes / Events

Donations

LOLA Lovers

LOLA Logo

search

Enter Username: Username

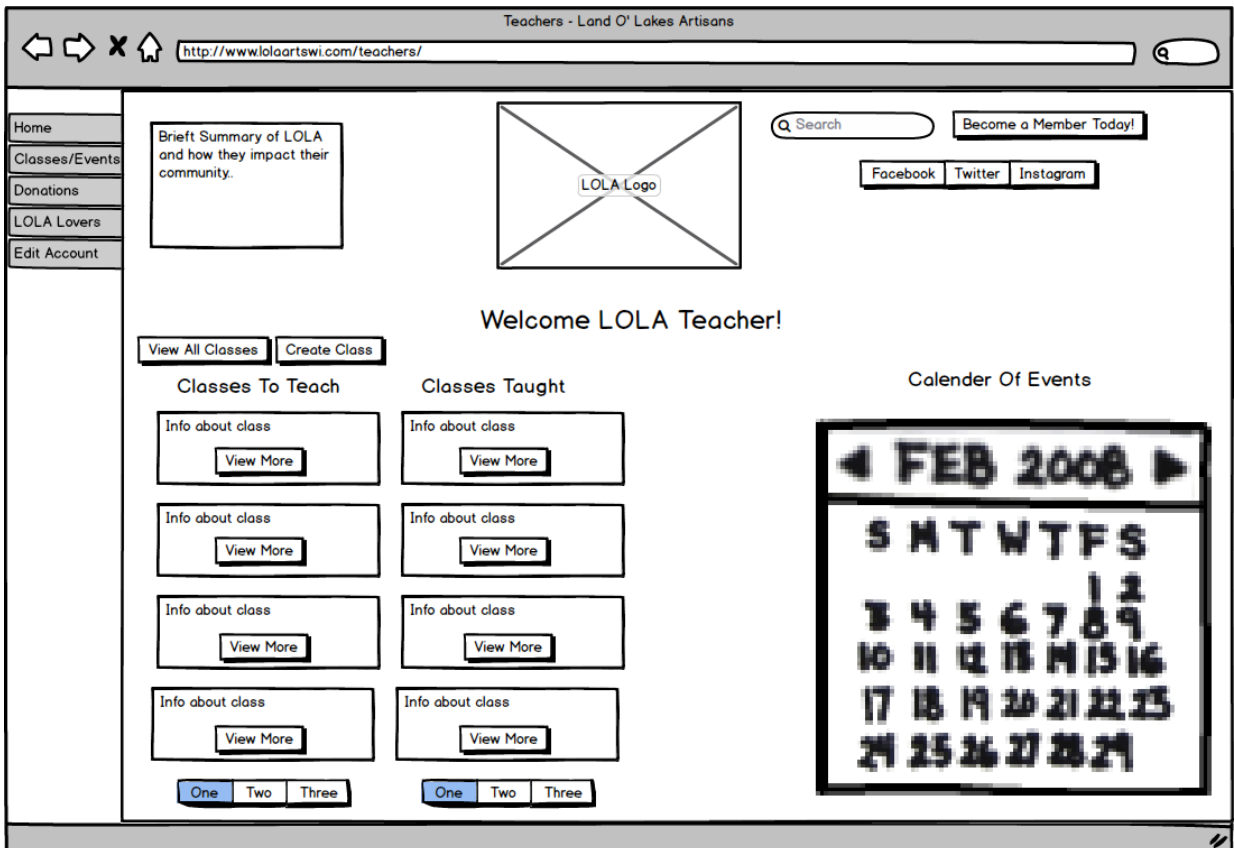
Enter Password: Password

Log in

Forgot Username/Password

LOUISVILLE BUSINESS ANALYSTS

Teacher Landing Page



LOUISVILLE BUSINESS ANALYSTS

Modify Teacher Page

Teacher Account Modification - Land O'Lakes Area Artisans

Navigation icons: back, forward, stop, home

Address bar: <http://www.lolaartswi.com/teacher/account-edit/>

Search bar: Q search

Left sidebar menu:

- Home
- Classes / Events
- Donations
- LOLA Lover

LOLA Logo

Teacher Account Creation

Enter First Name: Enter Address:

Enter Last Name: Enter City:

Enter Email Address: Select State: ▼

Enter Password: Enter Zip:

Re-Enter Password: Enter Phone Number:

Select Class: ▼

Buttons:


LOUISVILLE BUSINESS ANALYSTS

Purchase Event Ticket Page

LOLA Lovers - Volunteer Login - Land O'Lakes Area Artisans

← → × 🏠 🔍

[Home](#)
[Classes / Events](#)
[Donations](#)
[LOLA Lovers](#)


Event Name

Event Info

Stripe

First Name

Card Number

Last Name

/

CVC

Email

Purchase Ticket

Page 47