

Design Journey Part 4

Group name: A\$AP

Members' names: Sophia Zhu, Alison Molchadsky, Albert Caldarelli, Prajjalita Dey

Members' NetIDs: jz552, afm75, apc53, pd292

Section: 205

Part 1: Necessary Information

1. Please provide us your login username and password. Remember, your username and password should be hashed.
(if your site has multiple login systems, please specify which username and password corresponded to which login system)

Username: Admin

Password: newpassword

2. Please provide us your DB login username and password

Username: asapsp16

Password: asapsp16

Use of Existing Libraries

As there may have been some changes, please give us the most up-to-date list of existing libraries that you are using for your website (e.g. editor.js, jQuery Cookie, Image Sliders, jQuery). What did you have to do to incorporate those libraries? How much of your own code satisfied the project requirements?

Lightbox - Lightbox allows us to show full-size images in an overlay so that the user does not need to navigate away from the media page. Incorporating it involved including a javascript file in the html, and adding certain attributes to <a> links.

Image Slider--image slider allows for a dynamic slideshow of images on the first page

jQuery - jQuery allows us to have dynamically presented content by extending the functionalities of javascript, such as seen in the media page's page tabber

Part 2: Testing Protocol

1. How are you going to choose users?

How will they be representative of the target audience? How will you find them? Where will you meet them? Will you compensate them?

We are going to choose our users based on people who would most likely use our site. These users are both people who will manage the site and use the site, people on the team and people in the broader Cornell community. The people in the broader Cornell community represent our target audience because they will most likely be the ones who will want to look for information about the group. We will find them by using our personal social networks for people who will participate. We will meet them in Libe Cafe. No we will not be compensating them.

2. What tasks are you going to have them do? How would these tasks connect with the client's needs?

Task name/id	Task description	Task goal/what's being tested/expected outcomes
General Info	Ask them to find preliminary info about the group in the first few minutes	They should be able to get to the about us section quickly - we want them to understand what the site is for before they get bored and/or frustrated and leave.
Contact the group	Send a question or comment to the group	Use the contact form on the first page
Spring Photoshoot	Find all the photos in the Spring Photoshoot album	This will test how well they navigate the media page. They need to first find that page, click on the photos tab, and click on the Spring photoshoot album.
Videos	Find all the videos	The second part of the media page - currently only the video 'album' is available - we want to test that they can access all the available videos.
Roster	Find Kelsey Duncan's Year and Major	We want to test that they can navigate to the Team Roster page, and that the fact that they can click on

		the images to learn more about the dancers is intuitive.
Sign Up	Sign up for an account	Navigate to the sign up page, and create an account
Event	Post a comment for the event 'So You Think You Can Dance'	Navigate to the Events Page, click on that specific event. When they realize they need to be logged in, they should use their new account to log in, go back to the events page, and post a comment.
Facebook	Find their facebook page	Use the link in the footer to get to their facebook page.

3. *What's your script?*

How are you going to welcome them? Reassure them that you're testing the site, not them? Get them to think aloud while they use the site?

How are you going to introduce each task? What wording will you give the user? Will you give them any information in advance (probably not -- they won't have it in a real deployment -- but for sketches and early prototypes you might tell them that some things don't work)? How will you remind them to think aloud? How will you decide when to "give up" on the task?

Afterwards, what specific questions or general opinions will you ask for about their experience or the site? How will you thank them?

We will welcome them by saying "Hello, how are you?" and thank them for helping us with our website. We will reassure them that we are testing the site and not them by saying we want to see if our design for the site makes sense and easy for any user to use and that we will be using their input to fix the site. We will get them to think aloud while they are using the site by asking questions such as where would you start looking, where would you expect it to be, etc.

We will introduce each task by saying "Let's say you wanted to find...how would you do that?" Or something equally relaxed so that the user feels comfortable talking out loud and doesn't feel tested. We will not give them any information about the site besides that it is for a dance troupe and that it is still in the works. We will remind them to think aloud by continuously asking them why they are doing a specific thing to finish the task. We will decide when to "give up" on the task is the user seems frustrated and cannot seem so figure out how to complete it.

At the end we will ask:

1. What did you think about the site?
2. Did you personally find it frustrating to navigate?
3. Did you find it intuitive?
4. Is there anything you would change?

Part 3: Testing Notes

You should have tested your site on at least three representative users.

User 1

1. Who is your user, e.g., where do they come from, what is their background, etc.?

Our user is Oksana Bihun. Oksana is a freshman at Cornell studying biology. She is a member of pandora dance troupe and very interested in dance. She is interested in getting more involved in the club and would probably eventually be interested in managing the site, updating content and making sure everything is up to date. She is also interested in how she is represented on the site.

2. How does this user represent your target audience/client's needs?

This user represents the target audience and the client's needs because she is someone on the team who would be using the site quite regularly to update information and would need ease of use. She is also interested in how she is represented on the website.

Tasks for user 1	User's reaction/feedback/problems?	Re-design ideas and other notes - <i>what are the different solutions you can think of to address the feedback/problem?</i>
General Info	Easily found the general info of the group by clicking 'about'. Was a little put off by the purple on the first page when she pressed the menu bar	Include a uniform nav bar on the first page that stays consistent on every page, and get rid of the purple pop up nav bar.
Contact the group	Easily found the contact form and was easily able to fill it out	NA
Spring Photoshoot	Easily found all the photos in the spring photoshoot	NA
Videos	Easily found all the videos from the media page and pressing on the videos tab	NA

Roster	Easily found Kelsey Duncan's year and major by pressing on the roster and finding Kelsey's picture	NA
Sign Up	Easily was able to sign up for an account by navigating to the sign-up page and making an account. Was a little put off by the styling.	Will update the styling of the sign up page to make it more consistent with the other pages.
Event	Was easily able to navigate to the events page and find the event So You Think You Can Dance. Took a few seconds to realize that she needed to log in to be able to post a comment.	Update the styling to make it more clear that you need to log in to post a comment on the events page.
Facebook	Took some time to find the facebook for the group. Had to navigate to the home page and then scroll all the way down. Was only able to find it because she remembered seeing it on the first page earlier.	Make a footer that includes the links in the forms of icons to the group's social media. This footer will be included on every page.

3. Other notes from this user that will be useful to think about when redesigning.

The user noted that she would like to see more of Pandora's logos and designs they already have incorporated into the site since it would be better for branding.

User 2

1. Who is your user, e.g., where do they come from, what is their background, etc.?

Our second user is Maya Biswas. She's a sophomore at Cornell, from Bedford, Massachusetts. She's not very interested in dance, and in the past has been one dance show total.

2. How does this user represent your target audience/client's needs?

We picked her as a user, because we want the website to appeal to users who do not have the motivation to stay on the site long if it confuses or bores them even a little.

Tasks for user 1	User's reaction/feedback/problems?	Re-design ideas and other notes - <i>what are the different solutions you can think of to address the feedback/problem?</i>
General Info	She tried to find it by scrolling down, and found it immediately, which she was happy about it -- no difficulty.	NA
Contact the Group	She could see the 'contact' header from the about us section so she knew to go there. She filled out the form pretty easily.	NA
Spring Photoshoot	Easily found all the photos in the spring photoshoot by finding the media tab in the header, then the photos tab on the media page and then pressing on the spring photoshoot tab. Was a little overwhelmed by the amount of pictures displayed.	Paginate the photos and videos tabs since there are many photos in each album
Videos	Easily found all the videos by pressing media and then the videos tab	NA

Roster	Easily found Kelsey Duncan's year and major, found kelsey Duncan and then pressed on her picture.	NA
Sign Up	Easily was able to sign up for an account by navigating to the sign-up page and making an account.	NA
Events	Easily found the Events page, and easily found the So You Think You Can Dance Event. Took a few second to realize she needed to log in to post a comment, but once she figured it out she navigated to the log in page, logged in and then navigated back to the event to post a comment	Update the styling of the events page to be a little more user-friendly
Facebook	Was unable to find the facebook of the group and needed assistance from us to help her find it.	Make a consistent footer that includes links to the group's social media pages.

3. Other notes from this user that will be useful to think about when redesigning.

User 3

1. Who is your user, e.g., where do they come from, what is their background, etc.?

Our third user is Hannah Klapper. She is a sophomore from Cornell University studying mechanical engineering. She has a few friends on the troupe and has been to their shows in the past.

2. How does this user represent your target audience/client's needs?

She is interested in hearing about events such as shows and auditions and would need easy access to this information as well as pictures and videos if she wants. She would also want to be able to post comments about events easily.

Tasks for user 1	User's reaction/feedback/problems?	Re-design ideas and other notes - <i>what are the different solutions you can think of to address the feedback/problem?</i>
General Info	She was able to find it quickly by clicking the about section in the nav bar. Made a comment about how the nav bar was unconventional and different and potentially obtrusive	Make a consistent nav bar on the top of every page that is quite simple and sleek in design.
Contact	She was able to find the contact form easily by clicking the contact section on the nav bar. Was able to fill it out with no problem.	NA
Spring Photoshoot	She was able to find all the photos from the spring photoshoot by navigating to the media page, then clicking the photos div and then the spring photoshoot thumbnail. Thought our organization was clear	NA
Videos	She was able to easily find all the videos by navigating back to the media page, clicking on the videos div and then clicking on the thumbnail.	NA

Roster	Was easily able to find Kelsey's description by navigating to the team roster page and then finding Kelsey's picture and then clicking on it.	NA
Sign Up	Was easily able to sign up by navigating to the sign up page by finding the link in the nav bar. Found signing up for the site easy.	NA
Events	Was easily able to find the event So You Think You Can Dance by going to the events page and then clicking on the event. Realized she had to log in to post comments, went to the log in page to log in and then returned to the event page to post a comment. Did not like the green, felt it did not match the site.	Change the green to purple to be more consistent with the site. Change the design of the page to be more user friendly and pleasing.
Facebook	Took some time to find the facebook of the site. Went to the home page and scrolled up and down a few times to find it, but found it eventually.	Make a footer on each page that will include links to the group's media page.

3. Other notes from this user that will be useful to think about when redesigning.

The user would've liked an easy way to tell what page she is on based on the nav bar, as well as be able to navigate to the contact page and there would be links to the contact and the about section on the home page, from every page. It would be useful to the ser to redesign the nav bar to include these notes.

User 4

1. Who is your user, e.g., where do they come from, what is their background, etc.?

Our fourth user is Suiwen Wu, she is a sophomore majoring in operation research.

2. How does this user represent your target audience/client's needs?

She has taken some computer science class and is comfortable working with a computer, she is the type of person who can work as as Admin for this site.

Tasks for user 1	User's reaction/feedback/problems?	Re-design ideas and other notes - <i>what are the different solutions you can think of to address the feedback/problem?</i>
Finding the control panel after login as Admin	She found it quickly by clicking the link on the top nav bar	NA
Add a image	She navigated to the image page by clicking on the image button on the control panel page. She was able to add an image from the computer easily but found the date-format a bit confusing	We changed the date input from a single text field to selections for year,month,day separately so the Admin do not have to worry about typing the wrong format.
Add a event	She navigated to the event page by clicking on the event link on the side nav bar. She was able to add an event easily. Same problem with the dateTime format as the previous task,.	We changed the dateTime input from a single text field to selections for year,month,day,hour,minute separately so the Admin do not have to worry about typing the wrong format.
Edit event with id = 1, change location to 'Olin library'	She was able to easily find the event by selecting its id under the 'Edit existing entry'. She was able to type 'Olin Library' in the corresponding text input box and click 'Edit' to submit this change	NA

Add a category	Navigated to the category page by clicking on the category link on the side nav bar. She was able to add an category easily.	NA
Add the video with id=1 to the category with id = 1	Was easily able to edit the catgory with id = 1 by selecting '1' under 'Edit existing category' and added the video by selecting '1' for the 'add video to category' selection and clicking 'edit this entry'	NA
Add a announcement	Navigated to the announcement page by clicking on the announcement link on the side nav bar. She was able to add an announcement easily.	NA
Add a roster	She navigated to the roster page by clicking on the roster link on the side nav bar. She was able to add a roster entry easily.	NA
Add a user	She navigated to the add user page by clicking on the add user link on the side nav bar. She was able to add a user easily.	NA

3. Other notes from this user that will be useful to think about when redesigning.

Part 4: Testing Summary and Iteration

1. What did you learn about your users? About your site? About yourselves?

We learned that our users like simple sleek design, simple and easy navigation, and not too complicated sites. They like consistent look and feel of sites. And they don't like to go searching through too many pages and too many loops to get to information. We learned our site to some extent met those needs but feel through a bit. We learned our site needed a consistent header, nav bar and

footer. We learned that while trying to make things more complicated to prove our web development prowess we comprised user experience and sometimes a more simple looking site is better.

2. What are three key changes you made based on the testing? What alternatives did you consider? Why are these changes appropriate?

- 1) A lot of the users were very confused because of the nav bar, and so we simplified it by a lot. Instead of the side bars, that involved an extra click, we created a horizontal nav bar at the top. We also included the about us and contact links on all the pages, because users had trouble finding the contact form from the events page for example, before.
- 2) They had difficulty finding external Pandora links, like their Facebook page, and so we created a footer at the bottom with that link, the Instagram link, and the Youtube link. The footer allowed these links to stay distinct from the rest of the page, which made it easier to find.
- 3) Pagination was added to the media page so that the user would feel more comfortable with the amount of content presented, and so that the animations on the page would flow smoother. This helps both with functionality and form.

Part 5: Final Notes to the Clients

1. Describe in some detail what the client will do (or would have to do) in order to make this website go live. What is the deployment plan?

The client will purchase web hosting from a service provider (likely GoDaddy) and we will assist in deploying the site and insuring the server is setup appropriately. We will then assist in onboarding the client, as well as testing the site again to ensure that performance is consistent between the course server and the live server.

2. Include any other information that your client needs to know about your final website design. For example, what client wants or needs were unable to be realized in your final product? Why were you unable to meet those wants/needs?

The only of the client's wants that were not realized was that of ticket purchases. This is elaborated on in Part 6 below, but it was simply not achievable in the time we had alongside the other wants and needs of the client. The client will also need to be given a tutorial about how to use the control panel. It is designed to be as intuitive and simple as possible, but a brief onboarding session will still likely be necessary.

Part 6: Final Notes to the Graders

1. Give us three specific strengths of your site that sets it apart from the previous website of the client (if applicable) and/or from other websites. Think of this as your chance to argue for the things you did really well (justify the wow factor of your website).

- Media page optimisations for best user experience we can provide - Once an album is accessed, videos and photos alike that are within it can be viewed without ever navigating away from the page (via a lightbox overlay for images, and an iframe embed for videos.) The content is also paginated so that the user is not overwhelmed by the presentation of too many images and photos at once.
- We have multiple levels of permission - users can create accounts and login, and according to their specified permission level receive access to different parts of the site. The permission level of users can be modified by admins of the site. Basic users receive the ability to comment on events, while higher levels may moderate them, and the highest can add and remove content from various pages of the site (ie roster, events, media).
- We incorporated a blog into our events page. This lets users (with specific permission levels) add comments, which make it a more interactive website. Pandora wanted this functionality because it confirms for the audience that their shows are fun and worth going to.
- Used `ob_start()` and `ob_end_flush()` and `header("Location: video.php?mssg=2")` (these are example code) functions to refresh the page(and redirect) while not losing the result from processing the previous php form submission.
- The site is mobile friendly, we used bootstrap grid for the layout of contents and the font size are adjusted for smaller screen when the site is viewed on mobile because the client wants the website to be mobile-friendly. The site layout is also a little different when viewed on mobile but the general design remains the same. We achieved this by using different css for mobile (using the `@media` tag in css).
- Used Ajax for Admin to delete unwanted or bad comments. Because any user who has logged in can leave a comment, the client want a way to delete bad comments. We completed this function using Ajax: when the Admin sees a bad comment on the events page(which is where all the comments are), he/she can click a button on the left of that comment and the ajax functions will handle the deleting from database and populate the comment section with the comments from the database. We also used a lot of javascript functions in other pages.

2. Tell us about things that don't work, what you wanted to implement, or what you would do if you keep working with the client in the future. Give justifications. Ticket sales - the inclusion of a payment api was beyond the scope of what we could implement with the resources and time given, and we are not very sure about handling credit card information security. In the future it would have been beneficial to the client if they had been included. This would prevent the need to use a third-party source for sales, helping to consolidate the client's information.

3. Tell us anything else you need us to know for when we're looking at the project.

For a full testing experience, one should create an account and explore the options available while at permission levels 1 and 5 (modifiable via the database) The username and password to login to course server are both asapsp16

Web Design and Layout

1. The design of this website is media-heavy according to client request. The client also want the main color to be purple and that's what we used.
2. Navigation: from previous milestone we have received comments on our navigation bar. We used to have two different nav bar for home page and other pages but we changed it because the TA said it was confusing in previous milestone and because user testing show the old nav bar are not good. We now have a consistent nav bar on the top for all pages. For edit data pages(which are pages only Admin can access and can edit data, there are 7 edit pages for editing data in different tables in the database), there is another side nav bar with only links to the edit data pages while the top nav bar is still there to provide links to other pages. This is suggested by the professor. Because we also made the site mobile-friendly, the top nav bar in mobile screen has bigger font size and the side nav bar for edit data pages is changed to a drop-down menu. This is because we don't want the nav bar to take the space away from contents since the mobile screen is much small. The drop-down menu respond to clicks.
3. We followed the principle of usability: the website is media-heavy so it is easy to use. For the edit data pages, there is an faq with common question and answers so the Admin knows how to edit.

Database:

See previous milestones which has ER diagram and physical ER diagram. We have 11 tables in the database and many relations between different tables

Interactive Functionality:

1. We have tested our website extensively, and all interactive features work as intended.
2. Our website have 6 pages that is accessible for all users even those who has not logged in. There are detailed views for displaying images and video and a slide show on the home page. Admin has access to 8 more pages which are all used to edit data. We have used external libraries within reason. We used external libraries for slide show and displaying image using lightbox.
3. To make sure all user input forms prevent erroneous data from being entered, I used javascript to check input before submitting and used php filter_input

function to filter input.

4. Logins are handles securely. The password are stored as hash and when a user is trying to login, the password is compared to the hash from database using `password_verify` function.

Design Journey Part 3

Group name: A\$AP

Members' names: Sophia Zhu, Alison Molchadsky, Albert Caldarelli, Prajjalita Dey

Members' NetIDs: jz552, afm75, apc53, pd292

Section: 205

Part 1: Necessary Information

1. Please provide us your login username and password
(if your site has multiple login systems, please specify which username and password corresponded to which login system)

The username and password to login to course server is both asapsp16

This is the login for the admin user:

Username:Admin

Password:newpassword

There is a signup page, you can signup and login as a regular user.

Our files are not in the FP folder because we have more than one hundred images in the image folder and it is very difficult to move, we asked a TA and he said not move all the files.

2. Please provide us your DB login username and password

Username:
asapsp16

Password:
asapsp16

asapsp16

Part 2. Database Revision and Implementation

Include your physical ER diagram here and describe any changes you made based on feedback from the previous milestone. Also describe the physical ER diagram (tables, fields, keys, and relationship, please see lecture 17 slides 21).

The username for admin is Admin and password in newpassword. We deleted the image field from the roster table. This is the new ER diagram with keys underlined and fields in circles, tables in rectangles and relations in diamonds.

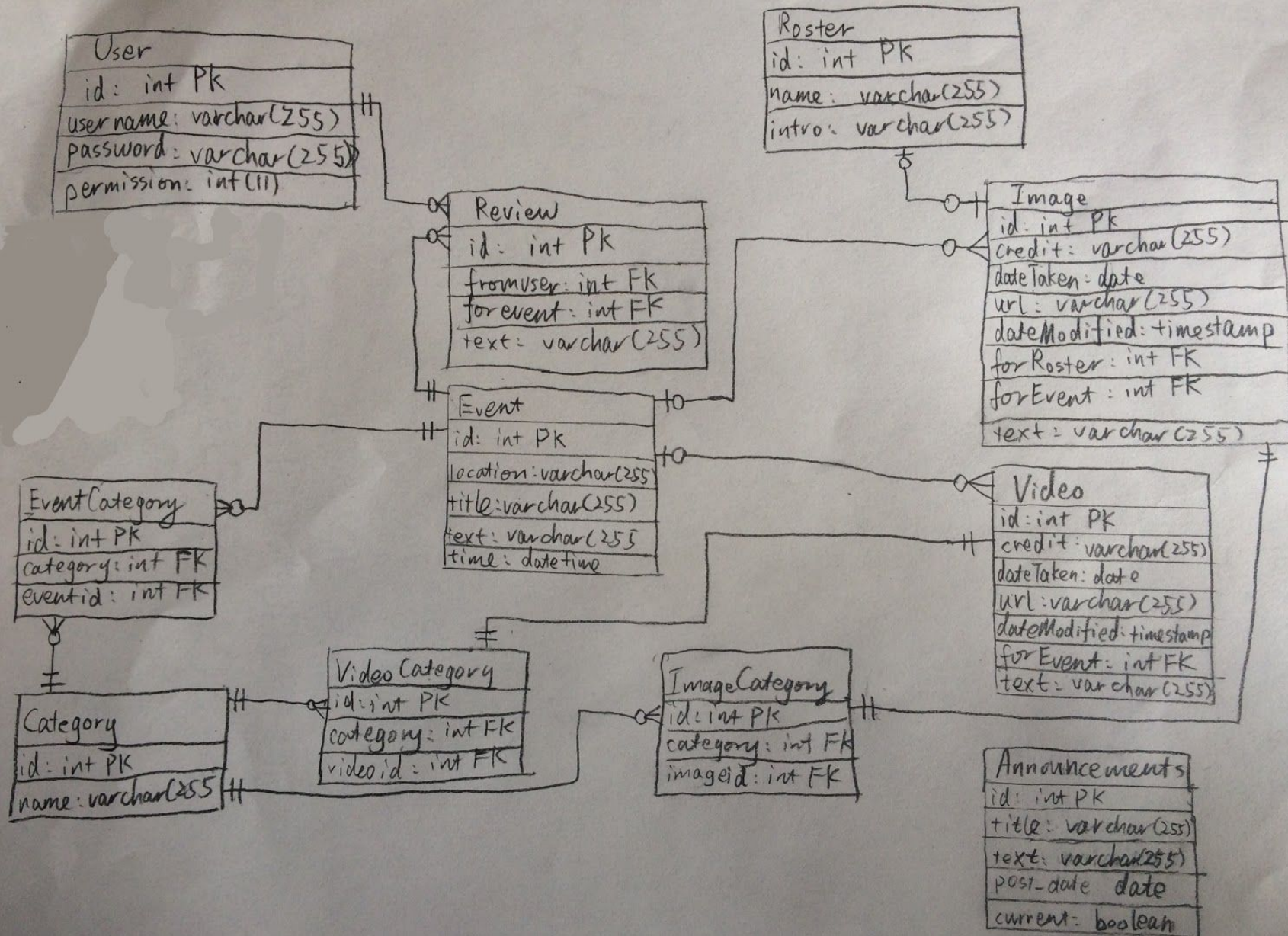
We use EventCategory, VideoCategory, ImageCategory to represent the relations between category and event, video, image, respectively.

The comments from last milestone:

General comments/questions to think about: do you want to account for members that don't have an image for their bio? (should this be a zero or one instead of one and only one relationship?) Under what circumstances would a video not belong to any event? Do you want there to be a relationship between users and reviews, so that a registered user can comment?

Regarding the comments: We account for members that don't have an image for their bio by using zero or one relation. Video can belong to no events because there can be videos that just serves as an introduction for the dance group, or a video by a member who teaches a specific type of dance. There is a relationship between users and reviews and it is one to zero or many.

The physical ER diagram: (note the type for int is int(11) in the database)



There is also an messages table in the database but we are debating whether or not we should use the messaging function. So it is not included in the diagram.

Part 3: Testing Protocol

How are you going to choose users?

How will they be representative of the target audience? How will you find them? Where will you meet them? Will you compensate them?

Our target audience for this website consists of people in the Cornell community who will use this site for information about the dance team and their events, and people on the dance team who will eventually log in to update pages such as the roster, events, and media and use the messaging app.

Therefore we will pick one student not on the dance team, and one student on the dance team as our users. Since Alison is on the team, we will have her choose someone else on the dance team by random. We will pick another student completely by random, and meet them somewhere on campus. No, we don't plan to compensate them.

What tasks are you going to have them do? How would these tasks connect with the client's needs?

Task name/id	Task description	Task goal/what's being tested/expected outcomes
First impression	Ask the user to look at the site for 5 seconds and describe their emotional and intellectual reactions	Want to see whether the design communicates client's key site goals to the target audience; want to see if people get the metaphor right away.
Find the members of the club	Ask the user to find the names of the members of the club	Testing whether a potential new member can find info about club leaders quickly and easily; ideally, they should click on the "roster" link in the menu bar.
Find the events	Ask the user to find the events	Testing whether a potential new member can find info about upcoming events quickly and easily; ideally, they should click on the "events" link in the menu bar.
Find the about us	Ask the user to find the description of the club	Testing whether a potential new member can find info about what the club is quickly and easily; ideally, they should click on the "about us" link in the menu bar on the home page.
Contact us	Ask the user to contact the group	Testing whether a potential new member can easily contact the group; ideally, they should click on the "contact" link in the menu bar on the home page.
Find photos	Ask the user to find the photos	Testing whether a potential user can find photos in a specific album. They should be able to click on the media page and then click on the relevant album
Find videos	Ask the user to find the videos	Testing whether a potential user can find specific videos. They should be able to click on the media page and then the videos tab
Find information about a specific event	Ask the user to find the specifics about an event	Testing whether a potential user can find a specific event and information about that event. They should be able to click on the events page and then the specific event to find information

Comment about a show	Ask the user to post a comment about a show	Testing whether a logged in user can find post a comment on about an event. They should be able to find a specific event and then use the comments form.
Sign up	Ask the user to find the sign up form for the website	Testing whether a user can find the sign up form and log in in order to access the posting part of the website. They should be able to find it by clicking the sign up tab

What's your script?

How are you going to welcome them? Reassure them that you're testing the site, not them? Get them to think aloud while they use the site?

How are you going to introduce each task? What wording will you give the user? Will you give them any information in advance (probably not -- they won't have it in a real deployment -- but for sketches and early prototypes you might tell them that some things don't work)? How will you remind them to think aloud? How will you decide when to "give up" on the task?

Afterwards, what specific questions or general opinions will you ask for about their experience or the site? How will you thank them?

We will welcome them by saying "Hello, how are you?" and thank them for helping us with our website. We will reassure them that we are testing the site and not them by saying we want to see if our design for the site makes sense and easy for any user to use and that we will be using their input to fix the site. We will get them to think aloud while they are using the site by asking questions such as where would you start looking, where would you expect it to be, etc.

We will introduce each task by saying "Let's say you wanted to find...how would you do that?" Or something equally relaxed so that the user feels comfortable talking out loud and doesn't feel tested. We will not give them any information about the site besides that it is for a dance troupe and that it is still in the works. We will remind them to think aloud by continuously asking them why they are doing a specific thing to finish the task. We will decide when to "give up" on the task if the user seems frustrated and cannot seem so figure out how to complete it.

At the end we will ask:

1. What did you think about the site?
2. Did you personally find it frustrating to navigate?
3. Did you find it intuitive?
4. Is there anything you would change?

Part 4: Testing Note

You should have at least 2 testing users.

User 1

1. Who is your user, e.g., where do they come from, what is their background, etc.?

Our user is Nora Rabah, a sophomore in the College of Agriculture and life sciences. She is from California.

2. How does this user represent your target audience/client's needs?

She has friends who are members of the organization and would be interested in learning more about the organization, buying tickets, looking up videos, etc.

Tasks for user 1	User's reaction/feedback/problems?	Re-design ideas and other notes - <i>what are the different solutions you can think of to address the feedback/problem?</i>
First impression	She thought it was sleek/edgy and simple which she liked. She didn't like the font of the word 'Menu' in the nav bar - she thought in contrast to the heading it looked unprofessional	
Finding members of the club	She found the team roster within seconds and thought that was easy to navigate. She liked that the menu bar made everything purple.	
Finding events	She found the events easily and thought it was easy to find.	
Finding contact form	To get to the contact form she had to first go to the home page to see the link - that was confusing. Once she got on the homepage and	We have to make the nav bar uniform, which would lead to a lot less confusion - because right

	clicked 'contact' in the nav bar it also didn't scroll down as it was supposed to.	now the home page has a different nav bar than the rest of the pages.
Finding About us	From the contact form (which was the home page) it was easy for her to find the about us section.	
Finding photos and videos	She found the photos simply - by accessing it through the nav bar and then clicking the 'photos' header. Videos from there was also easy to find.	
Find information about a specific event	She found them simply by going to the events page and clicking on the only event	
Comment on an event	She found the commenting section easily but thought the form should be more aesthetically pleasing.	
Finding the sign up form	Easily found the sign up form by clicking the proper tab	

3. Other notes from this user that will be useful to think about when redesigning.

User 2

1. Who is your user, e.g., where do they come from, what is their background, etc.?

Vanessa Chu. She is a member of Pandora.

2. How does this user represent your target audience/client's needs?

Represents target audience because members of the troupe should also be able to use the site well.

Tasks for user 1	User's reaction/feedback/problems?	Re-design ideas and other notes - <i>what are the different solutions you can think of to address the feedback/problem?</i>
First impression of the Home Page	Didn't like the font at all - not in the menu or in the headers (although later she said it was fine for the text in the body). She wants the menu button to be moved to the left side, or have a horizontal nav bar with tabs. She liked that the background of the page became purple when we clicked on menu. She liked the picture slideshow on the home page, and the black picture we used for the background.	We should definitely change the font and potentially add a logo for the main header. Change the menu on the first page to be cleaner and less obstructive.
Find members	She looked at the "about us" section first, and asked us if that was right. When we said no, she looked at the menu again, and then clicked team roster. She also wanted the text centered under the picture.	Maybe we need something on the home page/about us section to indicate that there are other pages to look into for media, events, roster etc.
Find Events	She found the events page easily.	

Find Contact Form	She found the contact form easily, because she remembered seeing it while looking at the home page.	Should have a link from all the pages to the contact us page
Finding about us	She found it easily by going to the home page and scrolling	
Finding photos and videos	She found both easily by clicking the media page and clicking the proper tab.	
Find information about a specific event	She found them simply by going to the events page and clicking on the only event	
Comment on an event	She found the commenting section easily but thought the form should be more aesthetically pleasing.	
Finding the sign up form	Easily found the sign up form by clicking the proper tab	

3. Other notes from this user that will be useful to think about when redesigning

Testing Summary and Iteration

What did you learn? About your users? About your site? About yourselves?

We learned that our users want every page to be reached to every other page. Meaning that they should not go through an intermediary page to get to another page--the nav bar should include every page. We learned that our site is clean in design but we should focus on making it look more professional in font and style choices.

What are three key changes you made based on the testing, what alternatives did you consider, and why are they appropriate changes?

Adding a connection between all the pages and the contact us page is something we will add. Change font and colors so that they are clean and sleek. Change the first page and the nav bar on the first page since it seems to be a little abrasive.

If you make any changes to the testing protocol for round 2, tell us what they are here.

We're going to ask the admin to login and use the functionality that comes with being the admin (adding events, pictures etc.). We're also going to ask a random user to signup on the website. A signed in user (who is not an admin) has the option to post reviews for events, so we will have our user test that functionality too.

Part 5: Additional Comments/Questions

If you have additional info/comments/questions about testing or the state of the project, you can put them here. However, you might get better responses in office hours at this point in the semester.

The css file for plugin (square-menu) doesn't validate, we asked a TA, he says it doesn't have to validate. Also the bootstrap css file downloaded from piazza doesn't validate but we didn't change that css file.

The messages page is not used right now because we are debating whether or not we should use this messaging functionality and it is not linked to any page.

The css styling for admin-only pages is not finished right now, so the colors and designs does not look very good. I don't think we have to finish all the styling in this milestone

There are three levels of login, member, general user and admin. The signup page only allows for general user signup. To sign in as a team member, use username Test1 and password Test1

The search functionality from the last milestone is not implemented yet, we are going to talk about whether we need a search and where to put it.

There is no commented pseudo code in the pages used only by admin because we finished most of the functionality.

Design Journey Part 2

Group name: A\$AP

Members' names: Sophia Zhu, Alison Molchadsky, Albert Caldarelli, Prajjalita Dey

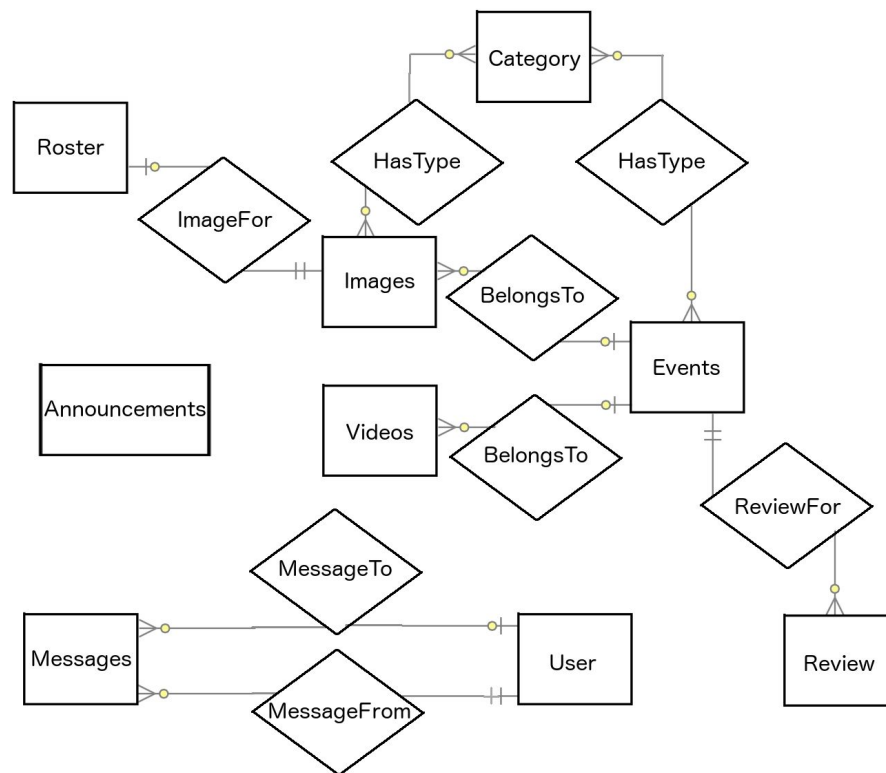
Members' NetIDs: jz552, afm75, apc53, pd292

Section: 205

Part 1: Database Design

Conceptual ER Diagram (different arrows, see slide 13 of Lecture 17; relationship and ER, see lecture 16 and 18)

In this part, please copy and paste your ER diagram for your database below (you can make your ER diagram using any tool of your choice). Make sure the relationships between each entity are clear and well thought-out. Don't forget to indicate what kind of relationship each arrow represents. Your database description should go on the next page.



Database Description

Tell us what the database does. Make sure that you include enough detail so that we are able to understand what is going on in your ER diagram.

There are seven tables in the database.

The roster table is used to display a bio for each of the members in the dance group.

The image table stores information about all the images including image credit, date uploaded, image url and etc.

The video table stores information about all the videos including video credit, date uploaded, video url and etc.

The category table is the table of different categories for the events and images, e.g. there can be a competition category, a performance category.

The events table stores information about all the past event and future events.

The user table is used to store information and it includes the Admin and regular users. The permission level for each user is different. For example, for Admin, the permission level is five(which means they can edit all the data), for other users, the permission level is four or lower(which means they can only edit a limited amount of data such as the text for their own bio).

The messages table is used to store messages from any users, it stores the text, the date, and who is the message from and who is the message sending to.

The reviews table is used to store reviews from users who went to certain event.

The announcement table is used to store announcements for the general public.

The relations between the messages table and user table:

There are two kinds of relations: messagefrom and messageto. Each user can send zero or many message. Each user can receive zero or many message. So the relation is many or zero. Each message can be sent to one user or no user, in which case it means it is sent to the general(all users). So the relation is zero or one. Each message come from exactly one user, so the relation is one and only one.

The relations between the roster table and the images table: For each member, there is a image for his/her bio so it is a one and only one relation. For each image of the image table, it may be an image for some team member's bio and it may not be, so this is a zero or one relation.

The relations between the event table and the images table: For each event, it can have zero or many images, so it is a zero or many relation. For each image, it can belong to zero or one event, so it is a zero or one relation.

The relations between the event table and the videos table: For each event, it can have zero or many videos, so it is a zero or many relation. For each video, it can belong to zero or one event, so it is a zero or one relation.

The relations between the category table and the event table. For each event, it can belong to zero or many categories. For each category, it can have zero or many events. So the relation is zero or many both way.

The relations between the category table and the image table. For each image, it can belong to zero or many categories. For each category, it can have zero or many images. So the relation is zero or many both way.

The relations between the review table and the event table. For each event, there can be zero or many reviews so the relation is zero or many. For each review, it can be for one and only one event.

Part 2: Website Layout

Content Organization

This should be an improvement upon the table you used in **Design Journey Part 1**

Main navigation (List your site's navigation here)	Sub category (List any sub categories of under the main navigation)	Content (List all the content corresponding to main navigation and sub categories)
(Example: Our Work)	(Example: 1. websites 2. mobile apps 3. tablets)	(Example: work examples: list all the portfolio works (in images) from the client with a brief description when the image is hovered over; have a search function in the page to enable user search for the work; 1. websites: showcase all the websites designed by the client in images, with a brief description to each website design;

		<p>2. mobile apps: showcase all the websites designed by the client in images, with a brief description to each website design when the image is hovered over;</p> <p>3. tablets: showcase all the websites designed by the client in images, with a brief description to each website design)</p>
Home		<p>Home: A landing page with a large image and welcome screen with a redirect to the primary page -</p> <p>About Us: See definition below, primary page for site</p>
About Us		About Us: General information about the group's purpose, etc
Media	<p>Photos</p> <p>Videos</p>	<p>Photos: Photos from past shows and workshops</p> <p>Videos: Videos from the same</p>
Roster		Roster: A listing of the current members of the team with their photos and bios
Contact		Contact Us: A contact form that allows users to reach out to the team or specific members of its board
Events		Events: A listing of upcoming and past events
Search Results		Search Results: A results page that will be displayed when a query is entered into a search form
Control Panel		A hidden page that requires a login to access and will be used to update site content by the client

Navigational Structure

Explain how users will move between pages. What kind of navigational aids will you have? Will there be a menu bar? A drop-down menu? Tabs? Will you have this available across all your pages?

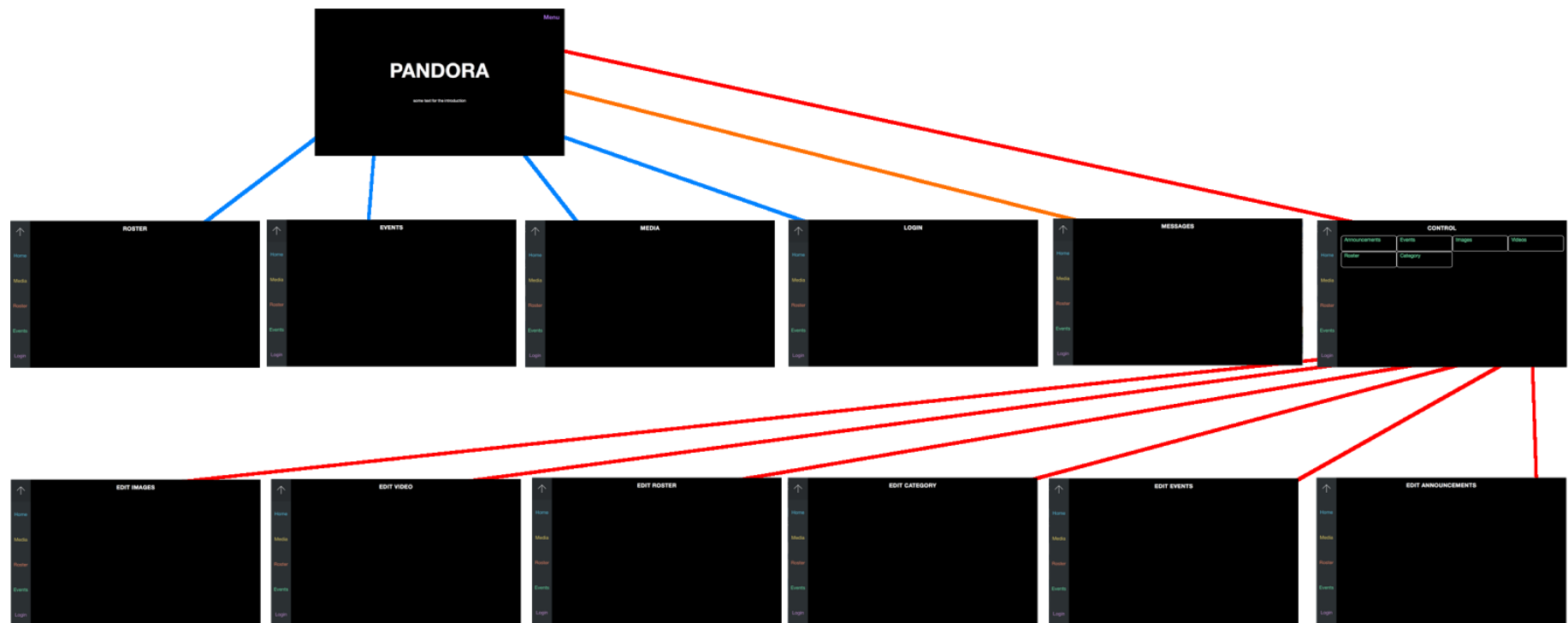
Tell us why you chose a particular navigation scheme over other possible choices, how the overall navigation of your site will work, how the various pages will be linked, and how the the navigation categories make sense from a user's perspective. You may find it helpful to include a diagram of your site map here.

There will be a navigation bar at the left of every page. For the index page(home page), there will be a pop-up menu when the user click the 'menu' link(top-right corner).

For other pages, there will be a header php file that is included in all the webpages, this makes a drop-down menu when the use click the menu icon(top-left corner).

A header file is better because it provides a consistent navigation bar across all the pages.

The site map:



The blue line indicates that all users can access that page (Home page, events page, roster page, media page, login page). The orange line indicates that only member of the dance group can access the page (the messages page). The red line indicates that only the admin can access that page (the control panel page and all the edit pages). The third row of pages are all edit pages only available to the admin. The top page is the home page which includes a 'About Us' section and a contact form.

This navigation structure is useful because different users need different access permission (e.g. only admin can access edit page and change data from the database). The User table in the database has a permission field and admin has permission 5, members have permission 3 and other users have permission 1. When the user login through the login page, two session variables called 'logged_user' and 'permission' will be set accordingly. Depending on the permission, the navigation menu will show the links to pages that this user have access to (e.g. Show the control panel when the 'logged_user' is admin and the 'permission' is five). If a user did not login, he/she can only access the pages with blue lines.

Part 3: Interactive Functionality

What interactive features will your site have? What PHP and Javascript elements will you include? Describe how the interactivity meets the needs of the clients/target audience.

PHP Interactivity

For each piece of PHP interactivity that you plan to implement, describe what the interaction is, how you will implement it, and which pieces of PHP code are required to complete it. You can describe these in terms of functions if you like, but only if you want to. If there is overlap between PHP and JavaScript interactivity, describe the interaction both here and in the JavaScript Interactivity section on the next page.

Each team member will have a username and password and we will use PHP to check their login and allow added functionality.

We will have an events page, where we will list all the upcoming events for the semester. The admin login will use PHP to add events to the event page.

We will have a media page with videos and photos, and the admin login will use PHP to add media in the future.

Admins will be able to post announcements that will appear in a bar above the navbar, handled by PHP

JavaScript Interactivity

For each piece of JavaScript interactivity that you plan to implement, describe what the interaction is, how you will implement it, and which pieces of PHP code are required to complete it. You can describe these in terms of functions if you like, but only if you want to. If there is overlap between PHP and JavaScript interactivity, describe the interaction both here and in the PHP Interactivity section on the previous page.

- An image slider for a slideshow of promotional images of shows, the team, etc. Will likely require the use of an extension. The slideshow will be populated with images uploaded by an admin, which requires PHP functionality to link the slideshow and the mysql database.
- May use jQuery to hide and show content when prompted (ie expanded roster bios, displaying popups with event/ticket sale information.) PHP will link modular information from database to client.
- Use of jQuery datepicker for ease of access setting date and time of future events
- jQuery will show the announcements sliders when it is prompted to by PHP

Compared to the first milestone, did you make any changes to your plan to use the existing libraries (e.g. editor.js, jQuery Cookie, Image Sliders, jQuery) for the site? If so, write down the libraries, what you have to do to incorporate those libraries, and how much of your own code will satisfy the project requirements. If there is no change, write down N/A.

N/A

Part 4: Additional Comments

If you feel like you haven't fully explained your design choices, or you want to explain specific functions in detail, do so here. You can use this space to justify your design choices or ask other questions about the project and process.

Design Journey Part 1

Group name: ASAP

Members' names: Sophia Zhu, Alison Molchadsky, Albert Caldarelli, Prajjalita Dey

Members' NetIDs: jz552, afm75, apc53, pd292

Section: 206

Part 1: Client Selection

Client Description

Tell us about your client. Who is your client? What kind of website do they want? What are their key goals?

Pandora Dance Troupe is an all girls dance group on campus. They are looking for a promotional site where they can show their photos, videos, promote shows and auditions, sell tickets, etc.

NOTE: If you are redesigning an existing website, give us the current URL and some screenshots of the current site. Tell us how you plan to update the site in a significant way that meets the final project requirements.

Target Audience

Tell us about the potential consumers of this website. How, when, and where would they interact with the website? Get as much detail as possible from the client to help you find representative users. This will make it easier for you to test your site on potential users and to generate useful personas.

Potential consumers of this website would be Cornell Students, faculty, family, etc. They would interact with this site on their desktops and mobile devices. These are people who are generally very busy and would therefore require a very intuitive site, user friendly site.

Purpose & Content

Tell us the purpose of the website and what it is all about.

Purpose of this website is to promote the dance troupe within the Cornell community. It would give information about the troupe, its dancers. It would provide a way to showcase their pictures and videos, while allowing users to search through their videos. It would also provide a platform for the troupe to post announcements, such as performance schedules, audition schedules, and workshop schedules. It would also be a good way for the group to promote ticket sales for the show and provide a way to sell tickets online.

Hosting Plan

Where will the site be hosted?

Either pay for their own hosting, or hosted on Albert's web server.

Needs and Wants

In this table, collect your client's and target audience's needs and wants for the website. Come up with several appropriate design ideas on how those needs may be met. In the Memo column, justify your ideas and add any additional comments you have. There is no specific number of needs required for this, but you need enough to do the job.

Needs and wants (What does your client and audience need and want?)	Design ideas and choices (How will you meet those needs and wants?)	Memo (Justify your decisions; Additional notes)
Example: Media heavy website	Example: Create web changes that contain a plethora of pictures and videos, including a background image, to show the personality of the group.	Example: Create catalogues of the media by pulling from a database and organizing it into a table. Allows the admin to update the database
Team roster	Page with pictures and bios of dancers, updated via control panel and saved in database	Database allows page to be modular and easily updated in the future by the client
Links to social media	We will include them as buttons in the footer with links to their Facebook and Instagram pages	
Upload images as admin	Use a php form to upload images and use database to store them, use a User table to store information about admin and password, create a \$_SESSION when user logs in	Passwords will be stored in a hashed form for safety. User needs to login as admin to edit or upload photo
Ticket purchases	Use a payment gateway (paypal, etc) to handle transaction, tickets associated with events via database	Implementation will depend on whether we are able to work with the chosen api and have it functioning in time for delivery
A way to send an email to the Pandora email (etc.)	A contact form that allows a user to send an email to the pandora email, with message, and subject	Use a simple php contact form and email function to set this up.

Events schedule	An announcements section on top of the home page, above the nav bar, that informs the user about auditions, shows and workshops. It would show on top if for example there was a show coming up. It would include a link to buy tickets.	
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Part 2: Project requirements

Design

What design elements should be utilized? Tell us about the design elements you plan to have for the site. Do they fit your client's needs? Why did you choose to follow (or not to follow) the client's expectations? If you chose not to accommodate a need, why did you make that decision?

A design element that will be utilized is media heavy. A dark picture from a performance will be the background and will be contrasted by white text and purple accents. This fits the client's design needs because they want a media heavy, modern looking website. Additionally, purple is the color for pandora. The website will also include a sticky nav bar which will allow for easy navigation through the website. An announcements section on top of the nav bar will also be utilized. This would allow for a user to right away know about announcements such as shows. This sections will disappear if there are no announcements. This satisfies the client's needs because it provides an announcements section and makes that information readily available to the user. We will also include little text since the client wants the pictures to stand out more. We will use an interesting sleek font to stay with the simplistic design the client wants. Another design element we will add is a lightbox of a picture when it is clicked. This will allow for a user to see the fullsize image along with the caption and other features. This fits our clients needs because they want a picture heavy site with minimal content. This would allow for a user to be able to see a caption and a full size picture without the page feeling too busy.

Client's Edits

Does the client need the ability to edit the site after the end of the semester? If **Yes**, tell us how you site fit your client's need. If **No**, write down N/A.

Yes - we will build a control panel the client can use to post and keep track of events, post announcements, team rosters, etc.

User can edit photos as well, to edit photos, the user should login as admin, this fits the client's need because they want a media heavy website and upload

photos of their events.

Information Architecture, Content, and Navigation

Lay out the plan for how you'll organize the site and which content will go where. Note any content (e.g., text, image) that you need to make/get from the client.

Note: As with the Needs and Wants table, there is no specific amount to write here. You simply need enough content to do the job.

Main navigation (List your site's navigation here)	Sub category (List any sub categories of under the main navigation)	Content (List all the content corresponding to main navigation and sub categories)
Example: Portfolio	Example: Websites Mobile Apps Tablets	Example: Portfolio: list all the projects (as images) this client has worked on. When the image is hovered over, display a description of the project; add a search function to enable users search for specific projects; Websites: showcase all the websites designed by the client, with thumbnail images and a brief description for each design; Mobile Apps: showcase all the mobile apps designed by the client, with thumbnail images and a brief description for each design; Tablets: showcase all the tablet applications designed by the client, with thumbnail images and a brief description for each design;
Home		Home: A welcome screen with minimal text and a large image, redirects to About Us as the primary screen
Media	Photos Videos	Photos: photos of the dancers during shows and workshops Videos: Videos of their shows
Roster		Roster: Photos and bios of the team
Contact		Form that can send information to Pandora's email
Events	Tickets	Events: List of events with information and a link to purchase tickets.

Search Form		Allow users to search the entire website, for a specific video, or photo, or dancer.
Control Panel		Hidden page that requires an admin login to access, where client can update the modular elements of the website (events, roster, etc)

Interactivity

What interactive features will your site have? What PHP elements will you include?

Much of this is up to you, however, implementing a login system is **required**. Logging in should not be required to view the site, however it must unlock extra functionality, e.g., admin functionality, comment posting, etc.

Also, describe how the interactivity connects with the needs of the clients/target audience.

A contact us form that would allow the user to contact the e-board of the group with specific questions or concerns. A search form that would allow the user to look for specific images/videos. A form to buy tickets that pops up when prompted by a button click. This connects with the clients/target audience since it provides all the functionality the client mentioned that is necessary for the target audience.

In terms of the admin functionality, the admin would be able to edit the database once logged in using forms. This connects with the needs of the client since it allows for the admin to change the videos, images, and announcements as they are updated.

Use of Existing Libraries

What libraries (e.g. editor.js, jQuery Cookie, Image Sliders, jQuery) are you planning to use for the site? What do you have to do to incorporate those libraries?
How much of your own code will satisfy the project requirements?

A slideshow UI, jQuery, HTML text editor, Lightbox

The slideshow can be a jquery plugin, this fits the client's need because they want to show videos and images.

jQuery is used because it has a lot of useful functions and it uses simple syntax and it also supports the slideshow.

PHP would be used to populate slideshow, input from text editor would be posted to database to be shown in events, rosters, etc.

Database

How will you use a database to improve the functionality of the website? Describe a possible schema that could meet your client's needs.

Use databases for images, videos, login, team roster, schedule

Images table: fields: image url, date uploaded, date taken, image name, image id(auto_increment)

Videos table: fields: video url, date uploaded, date taken, video description, video id(auto_increment)

Schedule table: fields: event name, event description, event date/time, event location, event id(auto_increment)

User should be able to edit database as admin -- needs a user table

User table: fields: username, hashed password

Scale

How large will the site be (approximate number of pages) and how many hours of work will be required to complete it?

Approximately 5-7 pages. Approximately 20 hours. The scale of the website is well-suited to the scope of the project.

Part 3: Work Distribution

Describe how each of your responsibilities will be distributed among your group members.

Who will be responsible for backing up other members should someone fail to meet a deadline? How will you communicate with each other? What are your expectations for communication? How will you share your design documents and ensure that no one disrupts each other's code? How will you manage deadlines? How you would keep track of task completion and the progress within your group?

If you will be using any tools for scheduling, sharing documents, managing tasks, etc., make sure you describe them here. This is also a good time to identify challenges (like who will be unavailable due to religious holidays or sports events), and how you will manage these challenges. Keep updating this on a regular basis for your own benefit.

If you are not tracking tasks (calendars, shared to-do lists, bug trackers or gantt charts, etc.), you might want to use the basic task tracking table shown below.

Set internal deadlines. Whose task needs to be completed first in order for another person's task to be relevant? Be specific in your task descriptions so that

everyone knows what needs to be done and can track the progress effectively. Consider how much time will be needed to review and integrate each other's work. Most of all, make sure that tasks are balanced across the team.

Note: Again, you want the right number of items for the job. The table should have enough information such that each team member understands what is expected of them and by when.

We use groupme for communication and Trello for task/deadline management. We have two team members for each task, so if one of them is busy, the other can spend more time and finish the task on time. We use Git for sharing our code and Git also ensures the code doesn't conflict. The work required for each person is equal and each person's work is well-suited to his/her strength. The team members who work on database will work with the team members who work on PHP.

We'll start with setting up the databases and having a basic HTML/CSS skeleton for the website that just links up all the pages. Once we have that in place, we'll add in all the PHP functionality and jQuery/JS interactivity.

Task	Team Member Names and roles
Database, and debugging database	Sophia: DB leader; Alison: backup
PHP functionality and debugging PHP	Alison:Co-Leader Prajj: Co-leader
Styling	Alison: Leader, Prajj: Backup
Admin controls	Albert:Leader, Alison:Backup
Jquery/javascript	Albert: Leader, Prajj: Backup

Part 4: Additional Comments

If you feel like you haven't fully explained your design choices, or if you want to explain some other functions in your site (such as special design decisions that might not meet the final project requirements), you can use this space to justify your design choices or ask other questions about the project and process.