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CS 489 SYE: Senior Project
Project Requirements
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<u>User Sections:</u>	<u>Administrator Sections:</u>
<ul style="list-style-type: none">● Blog /w Comments● Professional Portfolio/Resume● Discography/Store● Sound Design/Store● Customer's Section Login/Customer's Section● Gallery● Myspace● About● Promotional Email Opt-In/Opt-Out● Legal info● About this website	<ul style="list-style-type: none">● Blog /w Comments● Professional Portfolio/Resume● Discography/Store● Sound Design/Store● Gallery● About● Manual Sales Entry● Customer's Section● Customer info section● Promotional Emails● Legal Info● About this website

Requirements: User

- **Section-Wide Requirements**
 - There will be a common design and navigation that is visible and usable from every section.
 - Each section will have a unique heading and description.
- **Security**
 - The a registered user's password will be secure. The user will be assured of this.
 - Payment security will be handled by PayPal.
 - Only PayPal should ever interact with the user's PayPal account information
- **Blog**
 - The blog page will be the first page users see when entering through the domain address.
 - The main blog page will show the most recent entry with the entry's comments and an area to add an additional comment under it.
 - Each blog entry will display that entry's:
 - Creation date
 - Heading
 - Formatted content
 - The blog will have an automated RSS feed containing the latest 5 entries.

- Each blog entry will contain an arbitrary amount of comments.
- Each entry will have an area for users to comment on the entry, including:
 - Name (*not required*)
 - Comment (*not formatable*)
- **Blog Comments**
 - Blog comments will display in the order they were created.
 - Each blog comment will include the:
 - Date/Time of the comment
 - Name of the commenter
 - Comment
- **Professional Portfolio/Resume**
 - On the top of the page will be the section's heading and a description of the section.
 - Each entry in the section will include that entry's:
 - Associated image
 - Formatted description
- **Discography/Store & Sound Design/Store**
 - On the top of the page will be the section's heading and a description of the section.
 - Each entry in the section will include that entry's:
 - Associated image
 - Title
 - Formatted description
 - Audio demo (*that will play on the page*)
 - Price in USD – or nothing if the item is freely available
 - Button to add the item to the user's cart
 - If the item is freely available, a link to download the full item will be displayed instead.
 - Every item for sale in the store will be accessible only by those who are authorized to download it.
- **Gallery**
 - Each entry will be displayed with a thumbnail.
 - Each entry's thumbnail will be linked to the full image.
 - Each entry will have a formatable description.
- **Myspace**
 - This will be a link to <http://www.myspace.com/AlanMarcero>
- **About**
 - Each entry in the section will include that entry's:

- Title
- Subtitle *(if there is one for that entry)*
- Formatted content

● Cart

- Every user will have a cart.
- If there are no items in the cart, the cart will not be displayed.
- If there are items in the cart, the cart will display on all sections.
- Items from both the discography and sound design stores can be added to the same cart.
- Only one copy of each item can be added to the cart.
- Following the listing of items in the user's cart will be the cart's subtotal.
- At the bottom of the cart will be a button to check out.
- There will be a button to empty the customer's cart *(requires confirmation)*.

● Check Out

- The customer will be shown their cart.
- There will be a button to be transferred to PayPal to complete the purchase.
- After successfully checking out, the customer will be redirected to a confirmation page that contains:
 - What they have purchased
 - Instructions to download their purchase in the Customer's Section
 - A confirmation email will be sent to the customer with the same information.
 - An informational email will be sent to the customer with their account email address and randomly generated password.

● Customer's Section Login

- When a customer enters the customer's section, they will be asked to enter their registered email address and password.
- If the customer can not remember their password, there will be a way to securely re-email their password to their registered email address.
- If the customer can not remember their registered email address, they will be instructed to contact the administrator.
- When the customer successfully logs in, they will be taken to the Customer's Section.

● Customer's Section

- This section will be accessible only by customers *(this is verified by the login)*.
- On the top of the page will be the section's heading and a description of the section.
- Each entry in the section will include that entry's:
 - Heading
 - Formatted content
- Entries will display in the order they were created.
- There will be an area for the customer to download all of their purchases.

- The customer will be able to download each item purchased a maximum of three times.
 - The amount of downloads left will be displayed for each item.
 - Available downloads will never expire.
- If a purchased item has no available downloads, the item's download button will be replaced by a button to request additional downloads.
 - This will send an email to the administrator with the item requested and the customer's email address.
- There will be an area for customers to securely change their registered email address.
 - When the user alters their email address, the old email will no longer receive promotional emails, and the new one will.
 - When the user alters their email address, an email is sent to both their new one and their old one to confirm this.
- **Promotional Email Opt-In/Opt-Out**
 - The opt-in will display on the bottom of the page, and the link to opt-out will be under the opt-in display.
 - When the user is opted-in, they will receive a confirmation email with a link to opt-out if their subscription was an error.
 - If the user wants to opt-in, they will receive promotional emails.
 - If the user wants to opt-out, they will no longer receive promotional emails.
 - Upon submitting their email address, a confirmation message will appear.
- **Legal information**
 - This will contain only the content of a single entry.
- **About This Website**
 - This will contain only the content of a single entry.

Requirements: Administrator

**Unless noted, all entry fields are required*

- **Section-Wide Requirements**
 - Each section's main page will display an abridged view of each entry in the section.
 - Each entry can be viewed, edited, or destroyed.
 - There will be an area to edit the section's heading and description if it has one.
 - The Administrator section will be accessible only by the designated administrator.
 - The Administrator section will not be linked from the User section.
- **Blog**
 - Each comment for each entry can be viewed, edited, or destroyed.

- Entries will display in the order they were created.
- There will be a page to create a new entry with that entry's:
 - Title
 - Subtitle (*not required*)
 - Formatable content
- **Professional Portfolio/Resume**
 - The administrator will be able to customize the user section's entry display order.
 - The administration section will display the entries in the same order.
 - There will be a page to create a new entry with that entry's:
 - Title
 - Associated image
 - Formatable description
 - Display position
- **Discography/Store & Sound Design/Store**
 - The administrator will be able to customize the user section's entry display order.
 - The administration section will display the entries in the same order.
 - There will be a page to create a new entry with that entry's:
 - Title
 - Associated image
 - Formatable description
 - Audio demo (*that will play on the page*)
 - Price in USD (*\$0.00 if the item is freely available*)
 - Full item
 - Display position
 - What store it belongs to
 - If the item's price is not \$0.00, it will be assumed to be downloadable only after purchasing.
- **Gallery**
 - The administrator will be able to customize the user section's entry display order.
 - The administration section will display the entries in the same order.
 - There will be a page to create a new entry with that entry's:
 - Thumbnail
 - Full-size image
 - Formatable description
 - Display position
- **Customer's Section**
 - Entries will display in the order they were created.
 - There will be a page to create a new entry with that entry's:

- Heading
- Formatable content

- **Manual Sales Entry**

- The main page will be an area to manually enter sale information, including:
 - Email address
 - The item(s) the customer has purchased
 - The item selection will support selecting one or more items at a time.
- Following the submission of the sale, a confirmation message will be sent to their email address with purchase information, including:
 - Items purchased
 - Instructions to download their purchase in the Customer's Section
 - Their password if the customer is a new customer
 - The password will be randomly generated.
- Once the sale has been entered, the new customer's account will function as if they had registered and purchased the item(s) from the store.
- If the buyer is a previous customer, the new purchase will function as if the customer had purchased the new item(s) from the store.

- **Customer's Info Section**

- The main page will be an area to enter a customer's email address.
- Upon a successful customer look up, that customer's purchase history will be displayed, including:
 - Items purchased
 - The date each item was purchased
 - Amount of downloads left for each purchase
 - The date each item's download limit was last edited
- If a purchased item has no available downloads, a button will display to reset that item's download count to three.
 - When an item's download count is reset, an email will be sent with:
 - What purchased item has been granted additional downloads
 - How many additional downloads were granted
 - Instructions to download their purchase in the Customer's Section

- **Promotional Emails**

- This will be an area to send emails to every user who has opted to receive promotional emails.
- The main page will be an area to enter the email's:
 - Title
 - Formatable content

- **Legal Info**

- The main page will be an area to edit the heading and content of the section.
- **About This Website**
 - The main page will be an area to edit the heading and content of the section.