Xufei Gao

gao288@purdue.edu

CGT 141

2015/5/4

Shubham Gulati
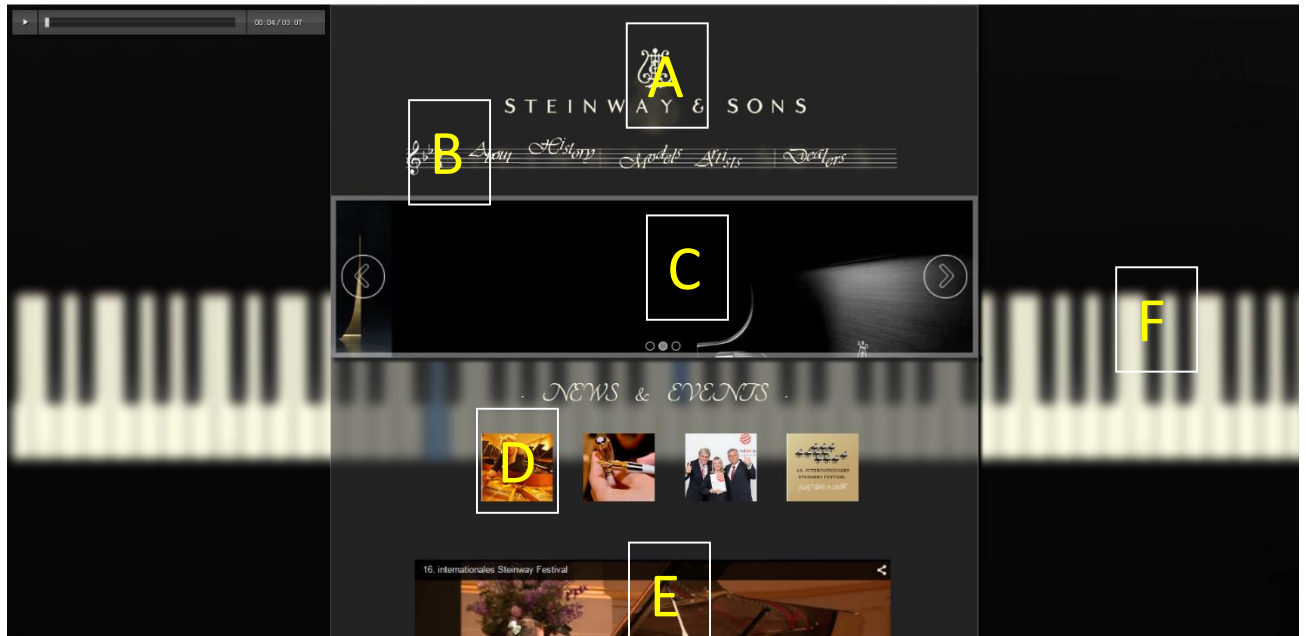
gulati10@purdue.edu

CGT 141

2015/5/4

Functional Specifications

Home Page

A---- Title image

B----Menu lists
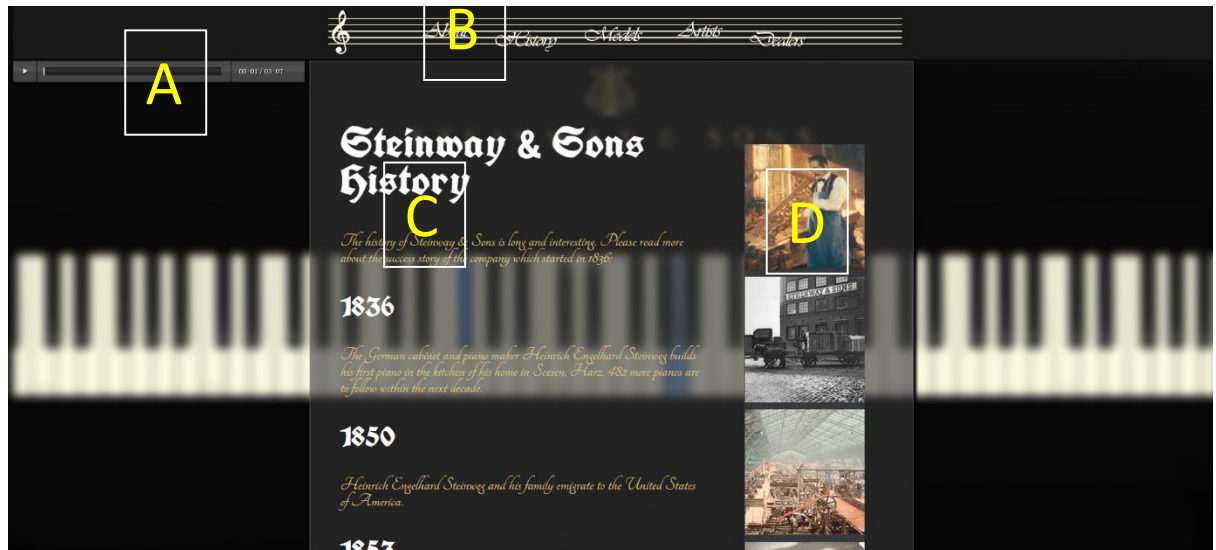
C---- Pictures slider

D---- Href link pictures

E---- Video embedded

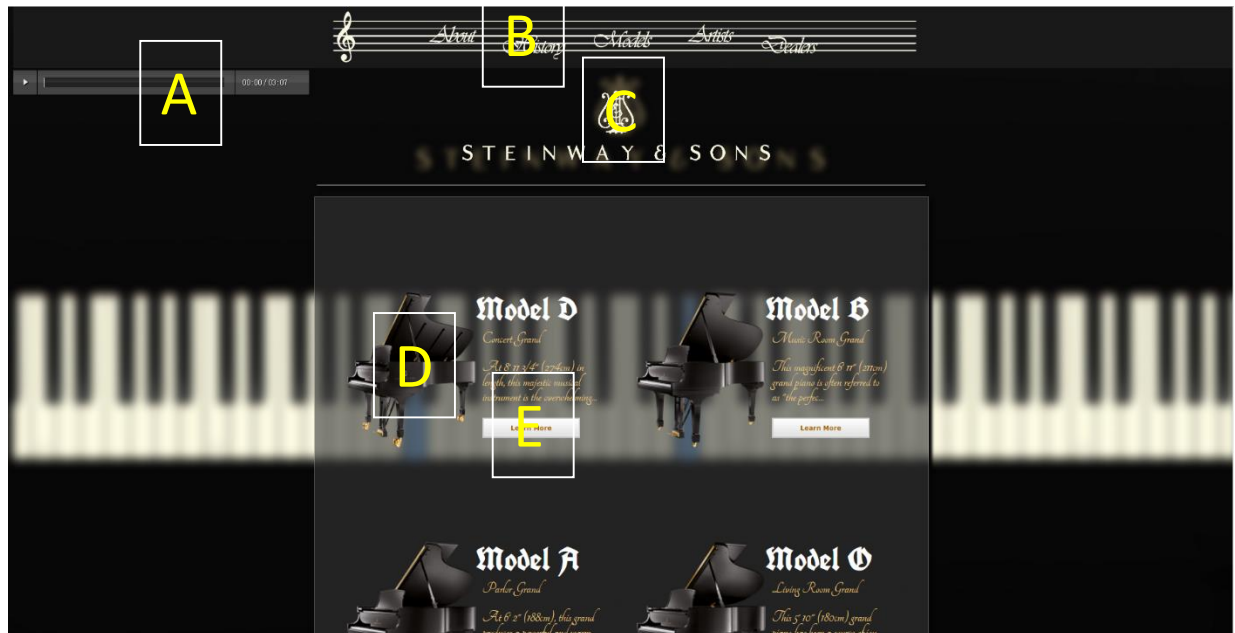F---- Gif image background

History Page

A---- Audio player

B---- Menu list position fixed

C---- Float left content

D---- Repeat images

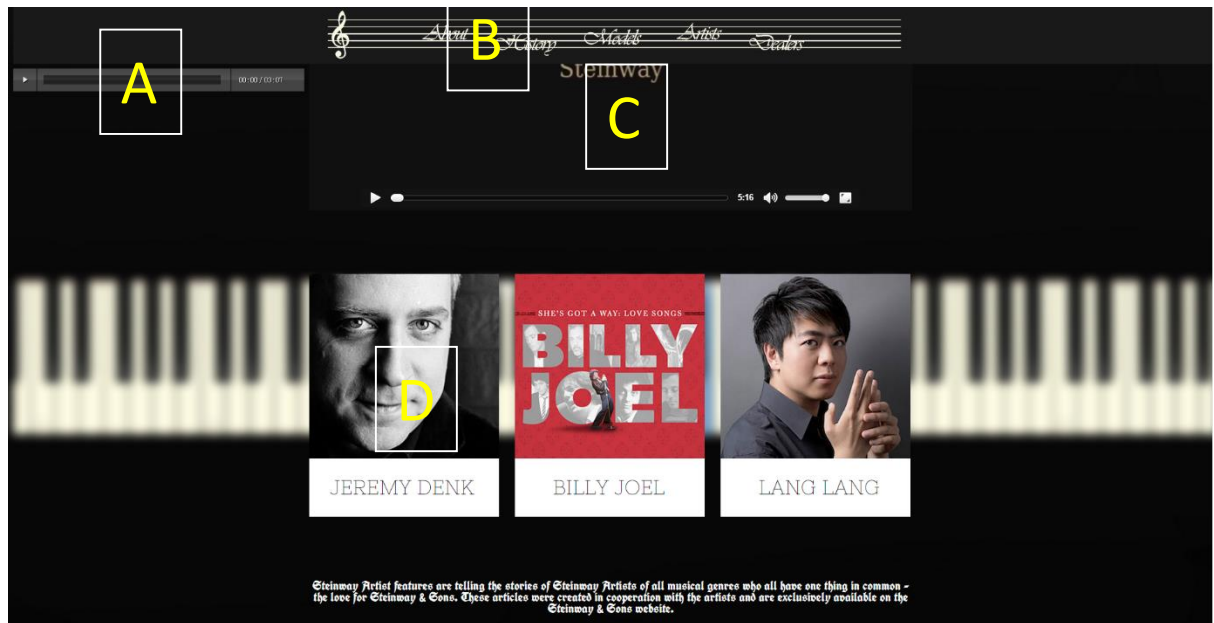## Models pages

A---- Audio player

B---- Menu lists

C---- Title image

D---- Models images

E---- Clickable button

Artists

A---- Audio player

B---- Menu lists

C----Embedded video

D----Herf link picture and text

Dealers

A---- Audio player

B---- Menu lists

C---- Picture

D---- Form

E---- Text

User experience

This website is an introducing website for those piano armatures who want to know more about this famous piano brand. And also this website is also for those people who want to purchase Steinways pianos. The whole website introduces the history, models and artists that are Steinway pianists to users. And also this website will be a way for users to contact with Steinways Officials.

I designed this website into concise and colorized with the easiest elements and concordant colors, also with transparencies. And I think music should be accompanied with aesthetics.

CGT / CNIT 141 Project 2

A. Background

For this project, you will create a website for an organization. Your TA will serve in the role of client, providing you with requirements and feedback. You will be evaluated on your ability create the website using the procedure prescribed below. Please make sure to follow this procedure exactly.

Production Procedure

1. **TA will assign you a topic**
   You will meet with the TA to determine a topic for your web-site. If you do not have a specific topic, the TA will assign you a topic for your web-site and a description for purpose of the proposed site.

   Email your TA and professor (Project2@MorVid.com) with your understanding about the project.

2. **Create <u>four</u> 1-page functional mock-ups**
   You are to present the client with four mock-ups. Each mock-up should illustrate the overall design and functionality for your website and should consist of a single web-page. In other words, you should create total of four web pages --- one webpage for each design.

3. **Meet with TA to discuss and select design**

   Meet with TA to go over the four designs and get feedback. At the conclusion of this meeting, the TA will provide you with instructions for creating a single design.

   Email your TA and professor (Project2@MorVid.com). Your email should <u>echo</u> all of the major points discussed with your TA." It should read similar to:

   > "Thank you for meeting with me today. Based on your feedback, I will be (a) changing the color in design 1, (b) using the font from design 2, (c) xxxxx. If there is anything else that I missed, please let me know"

4. **Create 1-page functional mock up from TA feedback**

   Use the feedback from the meeting with the TA to create a single design that integrates the TA's feedback.

5. **Meet with TA again to present the updated mock-up**

   Meet with TA again to go over the updated mock-up. This mock-up will contain a single page. The purpose of this meeting is to present the TA with the mock-up and get approval before spending the resources to create a full website.

   Email your TA and professor (Project2@MorVid.com). Your email should <u>echo</u> all of the major points discussed with your TA."

6. **Create full web-site**

   Create the full website that adheres to the mock-up and includes all of the technical aspects detailed below (see technical requirements)

7. **Meet with client to present the final web-site**

   After you have created the full website, you are to meet with the TA a 3rd time to present your work before turning it in. This is your chance to get feedback from the TA and fix any final problems.

   Email your TA and professor (Project2@MorVid.com). Your email should <u>echo</u> all of the major points discussed with your TA."

8. **Fix any final issues**

   Fix any problems expressed by the TA.

9. **Turn in project**

B. Functional Requirements:

1. The site must include a minimum of 4 *content* pages.

2. The site must validate against the xHTML 1.0 Strict DTD.

   a. **If any of the pages fail to validate, you will loose one letter grade.**

3. The site must include a starting "home" page with the filename being "index.html"

4. The site must include 1 streaming videos using RTMP, HTTP pseudo streaming, or

   a. RTMP

b. HTTP Pseudo streaming

5. The site must include both intrasite and extrasite links.
   a. At least one content page should utilize a link that sends the user somewhere in the same document.

6. The xHTML on each page, should markup the content semantically.

7. The site must include at least one form, containing at least 5 form elements.
   a. JavaScript should be used to validate the forms fields to make sure that none are left blank.
   b. The form should use www.MorVid.com/141FormAction.php as the action

8. The site must be aesthetically pleasing and should display an effective navigation scheme.

9. The site must contain at least one PNG, one JPG, and one GIF graphic

10. The site must be efficiently and effectively designed (as far as download times are concerned, also arrangement of back-end/file structure)

11. The site use JavaScript to select between a stylesheet designed for desktop and a stylesheet designed for mobile devices.

12. The site must be packaged into a native mobile app using PhoneGap

CSS Requirements

13. Implement two completely different looks by creating 2 sets of CSS styles for the document.
    a. One should target a mobile device screen (240 x 320 pixels).
    b. The other set should target a traditional desktop web experience

14. All formatting must be done with CSS.

15. All layout, must be done with CSS.

16. Links must be created a styled list of unordered items or a styled definition list.

17. Must have at least 1 DIV that has been floated

18. Must use the clear property at least 1 time

19. Must use box model properties (border, margin, padding, etc.)

20. Must use multiple CSS selector (IDs, classes, etc.)

21. Must use background, image, table, and text css properties.

JavaScript Requirements

1. Must have at least 1 set of buttons that uses JavaScript to do rollovers.

2. Must use JavaScript to check the fields in a form are not blank.

C. Deliverables:

To turn-in your final project, (1) create a zip file with the structure below. Note that your zip file should be named [YourLastName]_Project1.zip. My project 1 would be named Morales_Project1.zip. In addition, you should upload your project to your server.

Structure of the zip file:

/Documents

/Documents/**[YourPreproduction.pdf]**   (This is the file that you created for your pre-production)

/WWW/**[YourWebDocuments]**

/WWW/Images/**[YourImages]**

/WWW/CSS/**[Your CSS files]**

/WWW/JS/**[Your JavaScript files]**

D. Rules of Engagement

This project is designed to test your ability to create a web site in authentic setting. It is important that you communicate with your TA and professor [clients] and react to any changes in the project. As such the following rules are set forth:

1. Missing any of steps listed under "Production Procedure" (see section A). Will result in a zero for the project. Note that all meetings with the TA are to be done in person during lab.