

CECS 470 Final Project – Japanese Garden Website

Website URL

Original Website URL:

<http://www.csulb.edu/~jgarden/>

Redesigned Website URL:

<http://www.csulb.edu/~itorres/cecs470/finalproject/index.php/>

Admin URL:

http://www.csulb.edu/~itorres/cecs470/finalproject/index.php/admin_login

Username: jpAdmin

Password: mypass

Team Members:

Squires, Beau

Torres, Israel

Ung, Gyngai

Wei, Kun

Requirements and Fulfillment Justification

1. Apply all techniques learned thought the class

We have applied the techniques that we learned in the class throughout the semester, such using HTML5 form, and table elements, CSS3 for styling the elements in HTML.

2. Colors and fonts selection

We chose the color scheme that is closely similar to the color scheme of the current website.

3. Separate content (HTML) from style definitions (CSS) and behavior (JavaScript)

We separate HTML, CSS and JavaScript. We apply JavaScript as progressive enhancement to the site (except the admin page). When JavaScript is disabled, the contents are still available to the users.

4. HTML, CSS, and JavaScript code must be valid.

All HTML, CSS and JavaScript codes are validated. All HTML's are validated against HTML5 and XHTML 1.0 Strict. CSS is validated using W3C CSS validator. JavaScript is validated using JSLint.

5. Use jQuery in non-trivial ways to add behavior to your website.

With the exception of the admin page, all of our pages use jQuery in progressive enhancement manner. All pages still provide the same contents when JavaScript is disabled.

For example:

- When JavaScript is disabled, The Living Collection page display the complete table of the tree list instead of 10, 25 or 50 at a time according to user selection.
- When JavaScript is disabled, the Event Calendar displays the list of all events in a table format instead of the calendar one.

6. *Accessibility and Usability*

HTML elements, such form elements, figure element, and the use of JavaScript for progressive enhancement helps ensure that our site is accessible, usable.

7. *Must have web pages generated dynamically from information stored in a database.*

Events are stored in database table and generated dynamically.

Contact Us form, Rate Our Website Form, and Volunteer form request the information from site visitors and display dynamically in the back end for the Japanese Garden admin staff.

8. *CSS Code Authorship*

All CSS styling for the webpage is created by our team members, with the exception of some of the jQuery plug-ins elements that provide their own styling.

9. *Resources used citation*

All resources and tools used for the purpose of this project are listed at the end of this report, and they are also listed in the Student Project page.

10. *Use of HTML5 and CSS3*

The re-designed website that we created use HTML5 structural elements, such as header, nav, section, article, and footer. We uses div element minimally for CSS styling purpose when HTML5 structural elements are not appropriate.

11. *Every file must be clearly documented with authorship.*

Every file that we created has comments on top of the file with appropriate authorship.

12. *Usable in recent versions of web browsers*

Our website has been tested with most recent versions of Firefox (Windows and OSX), IE, Safari, Safari on iOS, Google Chrome desktop, and Google Chrome mobile.

13. *Incorporating features not covered in this class*

Not applicable

14. *Announcement of Student Project*

“CECS470 Web Accessibility - Student Project” label is clearly visible on the header of each page.

15. *Web page describing its design and development*

The “CECS470 Web Accessibility - Student Project” link on the top of header on every page is linked to the web page describing the design and development of the website.

List of Features and Level of Completeness

Features	Short Description	Completeness
Redesigned Home	Different home page layout for better content discovery	Completed
Relative Links	To address the “Special Interests” link in the original site, for visitors site discovery purpose	Completed
Mobile Browser Ready	All pages on the website are mobile browser friendly	Completed
Photo Tour	Redesigned of Photo Tour page	Completed
Video Tour	Present Video Tour with better navigation and discovery	Completed
The Living Collection	Re-create tree list in database for friendlier navigation	Completed
Membership Form	Re-create Membership form from PDF with validation for better form fill experience	Completed
Volunteer Form	Volunteer Form with validation for better for filling experience	Completed
List of Upcoming Events	Dynamically present 5 future events from the current date to visitors	Completed
Events Calendar	Presents all events in a navigable dynamic calendar	Completed
Wedding and sub pages	Presents wedding information in a consistent and easy to read format	Completed
Galleries (Wedding)	Presents consistent and pleasing wedding galleries browsing	Completed
Teacher Resources (Education)	Present teacher resources materials in an easy to read and mobile-friendly table format	Completed
Open / Closed Hours and Time (About)	Dynamically present open and close days/hours based on admin input	Completed
Rate Our Website Form	Form for visitors to rate the website	Completed
Admin page (back end)	Provide back end access Japanese Garden staff to add/modify events, add/modify closure date, view forms submission information	Completed

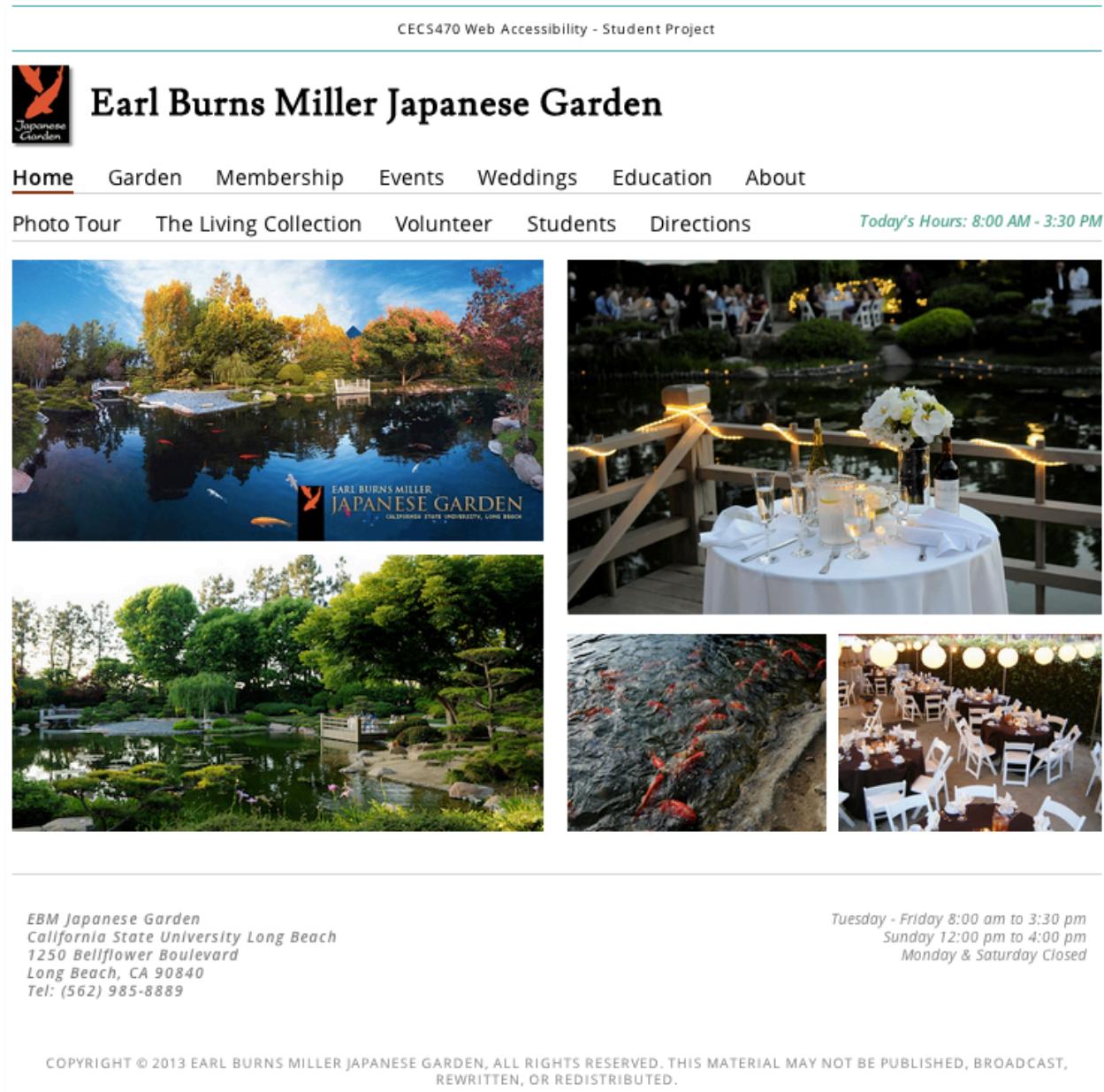
Addressing Feedback from Original Mockup

Feedback Summary	Address
Sub pages and “related links” on home page	Added sub navigation to home page.
Social media icons placement	Re-locate the social media icons to the footer of the site
Logo	Use the provided higher resolution logo
One-word indicating link on home page pictures	Added tag lines under the one-word on-hover on the pictures on home page
Page layout ratio	All pages follow golden ratio (except: home page, The Living Collection) to accommodate different needs of each page
Top/bottom margins in the “related links”	Added consistent top and bottom margin for related links on the side
“Related links” coincide with sub-navigation	All related links on each pages are of links that may be of interest to the visitor of the respective page
Duplicate sub-navigation with main navigation	Removed duplicate sub-navigation that are already in the main navigation
No particular photo for event	There is a generic image placeholder for any events that do not have a photo
“Related links” on list of event page	“Related links” are removed from the left hand side
Text associated with an image is rendered longer than the height of an image	Text associated with an image that is rendered longer than the height of the image shows gap in between each section.
Form elements styling	All form elements are styled
Page numbering on report	Add page numbering on this report
User awareness of page being visited	The current page that user is on is indicated with the red/orange color bottom border
Page footers missing from mockup	All pages include page footer
Footer’s content	Beside address, and copyright notice, footer also contain site map
The Living Collection – missing	Added living collection page with dynamic tree list table from database
Photo galleries – missing	Added photo galleries page
About Us with hours of business	Added About Us along with hours of business and closure
Membership form, Contact Us form, Rate our Website form	Added all the forms with validation, store the value in database, and display to the admin user on the back end.
Japanese Garden Comment Card	This form is no longer used on the current Japanese Garden website
Wedding event vendors	Wedding event vendors list is not part of the re-design of the website

Screenshots of Web Page Presented

The following screenshots are the web pages that are demonstrated during the in-class presentation.

CECS470 Web Accessibility - Student Project



Earl Burns Miller Japanese Garden

[Home](#) [Garden](#) [Membership](#) [Events](#) [Weddings](#) [Education](#) [About](#)

[Photo Tour](#) [The Living Collection](#) [Volunteer](#) [Students](#) [Directions](#)

Today's Hours: 8:00 AM - 3:30 PM

EBM Japanese Garden
California State University Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840
Tel: (562) 985-8889

Tuesday - Friday 8:00 am to 3:30 pm
Sunday 12:00 pm to 4:00 pm
Monday & Saturday Closed

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Figure 1. Screenshot of the home page with grid layout.



Earl Burns Miller Japanese Garden

Home Garden Membership Events **Weddings** Education About

Ceremony Reception Photo Session Rehearsal Dinners Galleries

Today's Hours: 8:00 AM - 3:30 PM



CREATING AN INTIMATE SETTING FOR YOUR WEDDING OR SPECIAL EVENT

The intimate perfection of the Japanese Garden in Long Beach creates a romantic setting for weddings, receptions, photo sessions, memorial services, parties, and many other events. The site's privacy and impeccably maintained grounds attract discerning couples seeking a unique outdoor setting for their wedding or reception.

Surrounded by tall trees, the elegant 1.3 acre garden features a lush green landscape, the perfect foil for the gracefully arched bridge, shimmering koi pond, and sparkling waterfalls. Our garden can accommodate up to 200 guests for a ceremony and up to 165 for a wedding and reception.

[Click here to download our complete Wedding Event Vendor list \(PDF, 135KB\)](#)

Things that may interest you:

[Take A Photo Tour](#)

[Host Your Own Event](#)

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Figure 2. Screenshot of the Wedding index page, featuring large side nav, grid layout.



Earl Burns Miller Japanese Garden

Home Garden Membership Events Weddings Education About

Teacher Resources Field Trips

Students

Today's Hours: 8:00 AM - 3:30 PM



BLUE SKY CLASSROOM PROJECT

LESSON PLAN IDEAS FOR BEFORE, DURING AND AFTER YOUR VISIT TO THE GARDEN

This project supported by California State University Long Beach Alumni Association and The Friends of EBM Japanese Garden.

Classrooms and Activities

Before	During	After
Kindergarten Classes		
Ideas Introduction (65KB)	Exploring a Pond (70KB)	Anybody's Home (230KB)
Like Fish or Like Me (75KB)		
Fish Parts (470KB)		
Second Grade Classes		
Ideas Introduction (60KB)	The Colorful Koi (80KB)	Counting the Colorful Koi (70KB)
Parents and Kids (470KB)		
Living a Fish Life (420KB)		
Fourth Grade Classes		
Ideas Introduction (70KB)	Exploring an Ecosystem (80KB)	It's All Connected (500KB)
What Do You Eat (100KB)		
Web of Life (70KB)		

All files are in PDF, download plug-in [here](#)

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Figure 3. Screenshot of Teacher Resources page, featuring responsive table, that both usable in desktop and mobile browser.



Earl Burns Miller Japanese Garden

Home Garden Membership Events Weddings Education About

Become A Member Volunteer

Today's Hours: 8:00 AM - 3:30 PM



JAPANESE GARDEN VOLUNTEER APPLICATION

Red asterisk (*) indicates required fields.

Type of Volunteer:

- Gardening Volunteer *
- Public Education Program Volunteer *

Personal Information

First Name *

John

Last Name *

Smith

Street Address *

123 Main Street

City *

Long Beach

State *

CA

Zip *

90000

Home Phone

562-123-4567

Cell Phone

213-123-4567

E-mail *

John.Smith@example.com

Please tell us your opinion, idea, and comment:

Figure 4. Screenshot of Volunteer page. Potential volunteers may submit their application through this form, and Japanese Garden admin staff can view the submitted information on the back end.

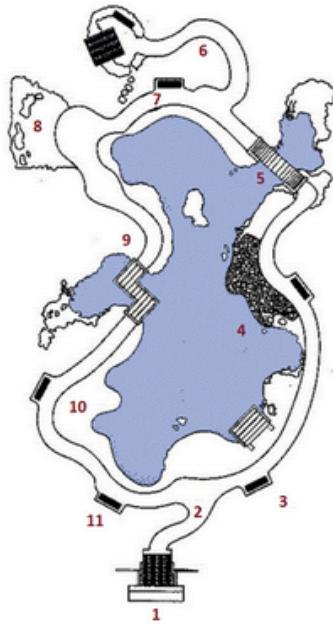


Earl Burns Miller Japanese Garden

Home **Garden** Membership Events Weddings Education About

[Photo Tour](#) [Video Tour](#) [The Living Collection](#)

Today's Hours: 8:00 AM - 3:30 PM



Click on the numbers to see related areas

- 01. [Art of Entry](#)
- 02. [Voila Moment](#)
- 03. [The First Room](#)
- 04. [The Black Rock Room](#)
- 05. [The Moon Bridge](#)
- 06. [The Tea House Room](#)
- 07. [The Pond Viewing Room](#)
- 08. [The Dry Garden Room](#)
- 09. [The Zig-zag Bridge](#)
- 10. [The Willow Terrace Room](#)
- 11. [The Last Room](#)

PHOTO TOUR

Areas: [01](#) [02](#) [03](#) [04](#) [05](#) [06](#) [07](#) [08](#) [09](#) [10](#) [11](#)

1. ART OF ENTRY



The Earl Burns Miller Japanese Gardens begin once we pass the metal gate beneath the wooden arbor flanked by two stone pillars. The entry courtyard showcases what is to come once inside the Garden's wooden gate. Tamamono hedges in various shades of green line the stone pathway. Both evergreen and seasonal bonsai placed throughout the courtyard allow for an in-depth look at the craftsmanship needed to maintain these natural artworks, for bonsai and the larger artistic pruned trees in the Garden. Historically inspired lanterns line the courtyard, and the large wooden gate is modeled after those found in the gardens of Kyoto.

WHAT TO LOOK FOR:



Get familiar with the specific species of plants throughout the garden. You will be introduced to

Figure 5. Screenshot of the Photo Tour page. The information in the Photo Tour is accessible when JavaScript turn on or off.



Earl Burns Miller Japanese Garden

Home [**Garden**](#) Membership Events Weddings Education About

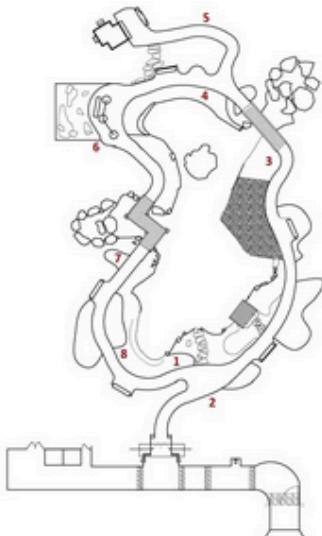
Photo Tour [**Video Tour**](#) The Living Collection

Today's Hours: 8:00 AM - 3:30 PM

VIDEO TOUR

Areas: [01](#) [02](#) [03](#) [04](#) [05](#) [06](#) [07](#) [08](#)

1. HILL POND



Click on the numbers to see related areas



01. [Hill Pond](#)
02. [Three-Tiered Pagoda](#)
03. [Moon Bridge](#)
04. [Water Garden](#)
05. [Tea House](#)
06. [Dry Garden](#)
07. [Turtle Island](#)
08. [Willow Terrace](#)

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Figure 6. Screenshot of the Video Tour page, featuring list of videos for visitors to view.



Earl Burns Miller Japanese Garden

Home Garden Membership Events Weddings Education About

Ceremony Reception Photo Session Rehearsal Dinners Galleries

Today's Hours: 8:00 AM - 3:30 PM



Wedding Galleries

Caught In The Moment

Harvard Photography

Nathan Nowack

AMBROSIA PHOTO GALLERY



[Previous](#)

[Next](#)

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Figure 7. Screenshot of Wedding Galleries page, featuring different sets of carousel of wedding pictures from different wedding photographers.



Earl Burns Miller Japanese Garden

Home Garden Membership **Events** Weddings Education About

[Events Calendar](#) Memorial Services Other Special Events

Today's Hours: 8:00 AM - 3:30 PM

EVENTS CALENDAR

JULY 2014

today

<

>

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Figure 8. Screenshot of Event Calendar page, featuring a dynamic calendar that display past and future events that visitors can browse through.



Earl Burns Miller Japanese Garden

Home Garden Membership Events Weddings Education About

WELCOME JPADMIN!

[Logout](#)

Calendar Photos Hours Volunteers Contacts Ratings

HOUR OF OPERATION

Weekdays

Open

Close

Closed

MONDAY

08:00 AM

03:30 PM



TUESDAY

08:00 AM

03:30 PM



WEDNESDAY

08:00 AM

03:30 PM



THURSDAY

08:00 AM

03:30 PM



FRIDAY

08:00 AM

03:30 PM



Weekend

Open

Close

Closed

SATURDAY

11:00 AM

11:00 AM



SUNDAY

12:00 PM

04:00 PM



[Submit](#)

Figure 9. Screenshot of the Admin side, Hours of Operation editing page. Japanese Garden Admin staff can modify the hours operation that reflect immediately after submitted.

Resources Citation

Tools

Codeigniter

<http://ellislab.com/codeigniter>

PhpStorm

<http://www.jetbrains.com/phpstorm/>

Github

<https://github.com/>

Sourcetree

<http://www.sourcetreeapp.com/>

MySQL

<http://www.mysql.com/>

Aptana

<http://aptana.com/>

Google Docs

<https://docs.google.com/>

Photoshop

<http://www.photoshop.com/>

Piazza

<https://piazza.com/>

Trello

<https://trello.com/>

CSS References

Mozilla - Using CSS Flexbox

https://developer.mozilla.org/en-US/docs/Web/Guide/CSS/Flexible_boxes

CSS Tricks - Flexbox (used it for help with the menu positioning)

<http://css-tricks.com/snippets/css/a-guide-to-flexbox/>

Form Styling (Membership)

<http://designshack.net/articles/10-css-form-examples/>

Placeholder text color

<http://css-tricks.com/snippets/css/style-placeholder-text/>

CSS - Adding pdf-icon after pdf file

<http://www.kkcfilms.com/add-progressive-icons-to-your-site-using-after-pseudo-element.html>

CSS Carousel for Photo tour page

<http://bradsknutson.com/blog/css-responsive-carousel/>

JavaScript Plug-ins

Membership and Volunteer Form jQuery Form Validation Plug-In

<http://jqueryvalidation.org/>

The Living Collection Trees Table jQuery Plug-In

<https://datatables.net/>

www.slidesjs.com (using this for wedding gallery)

<http://www.slidesjs.com/>

Form plug-in used in admin dashboard

<http://jquery.malsup.com/form/>

Full calendar plug-in

<http://arshaw.com/fullcalendar/>

Forums/Discussions

<address> vs. hCard for the footer information

<http://html5doctor.com/microformats/#hcard-org>

Regex for zip code validation

http://html5pattern.com/Postal_Codes

Home Text Layover Image

<http://roedesigns.com/easy-css-only-image-description-hover/>

FireFox workaround to hide default select element

<http://stackoverflow.com/questions/6787667/what-is-the-correct-moz-appearance-value-to-hide-dropdown-arrow-of-a-select#answer-18327666>

Regex for phone number validation

<http://stackoverflow.com/questions/18863420/html5-pattern-for-phone-number-with-parentheses>

Radio button error message positioning

<http://stackoverflow.com/questions/8995923/jquery-validate-difficulty-understanding-errorplacement>

Hide placeholder in print CSS

<http://stackoverflow.com/questions/16493360/removing-input-placeholder-on-a-printable-version-of-an-html-page>

Login model

<http://www.codefactorycr.com/login-with-codeigniter-php.html>

Others

Content, Photos and Videos from EBM Japanese Garden website

<http://www.csulb.edu/~jgarden/>

Down arrow icon for <select> element

http://cdn1.iconfinder.com/data/icons/cc_mono_icon_set/blacks/16x16/br_down.png

PDF Icon (License: Free for commercial use)

<https://www.iconfinder.com/search/?q=iconset%3Adocument-icons-2>

Team Members, Attribution and Justification

Beau Squires (26.66%)

- Created the admin dashboard and implemented the authentication functionality
- Implemented full-calendar jquery plugin and customized the data feed to display the data across the web site
- Created photo upload ability in the admin dashboard, including local storage of the images and DB stored meta datas

Israel Torres (26.66%)

- Created the overall template layout for the whole site. This includes mobile and desktop views.
- Created the templating of the site via the pages controller, which accounts for 95% percent of the site. This incorporates a templating system to avoid the repetition of main structural elements of the site.
- Pair programmed both parts of the back and front end with Gyngai, including styling, the database structure and controllers.

Gyngai Ung (26.66%)

- Worked on the majority of CSS elements found in the front-end of the site. Including CSS form validation and responsive tables ready for mobile.
- Put together the final report and checked for validations of the whole site. Ensured completeness of meeting all points to be addressed for the project, including notes from initial presentation.
- Helped create the backend page logic by pair programming with Israel. As well as creating specific CSS for printing and validating all forms.

Kun Wei (20.02%)

- Aiding in the design of the website mockup.
- Marking up front-end pages. (Photo tour, Video tour and etc.)
- Website testing and validations, error checking.

Beau Squires
 Israel Torres
 Gyngai Ung
 Kun Wei

CECS 470 May 15, 2014 Team 5 - Japanese Garden

