



## FIT5032 Design Report (Distinction Code Task)

### Hands Across the Water Website

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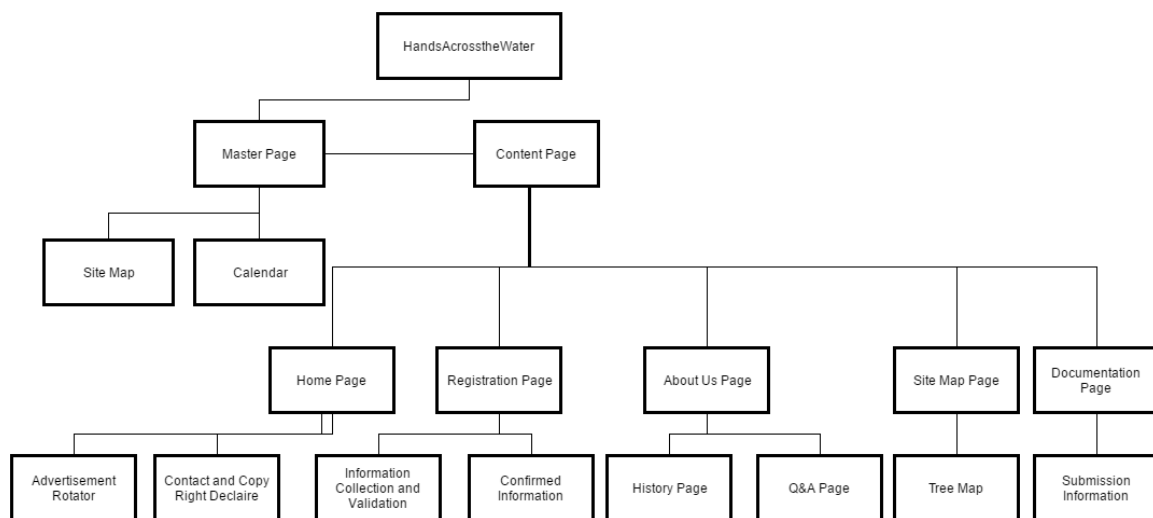
## 1. Overview

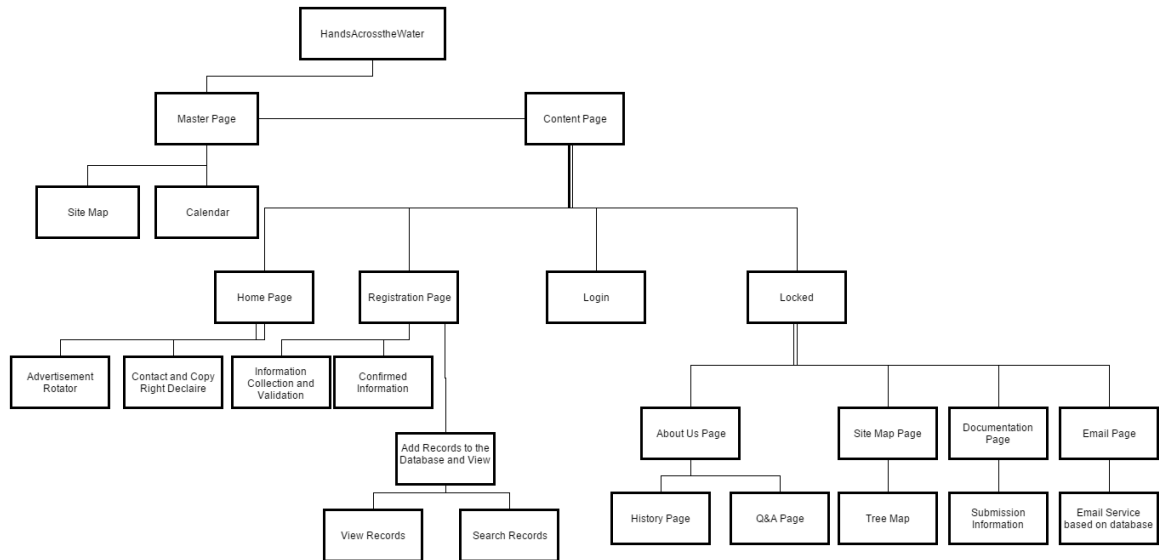
This Website is for the Hands Across the Water charity. This website helps visitors to have a basic view of this organization. Inside the website, it contains Home page, Registration page, and About Us page to provide useful information and interaction to visitors.

In Distinction part, the registration is linked to a database running on the server and after users type in correct information, a new account will add to the database. Users can view all the information about this database and search certain records by UserId, UserName, or State. The authentication for login can protect pages from unauthorized users, thus if users want to view these pages they are forced to login first. In the Email page, users can click users from the table and send Email to them.

The goal is to create a website by using the website design knowledge I learned from this unit to support this organization.

## 2. Functional diagram

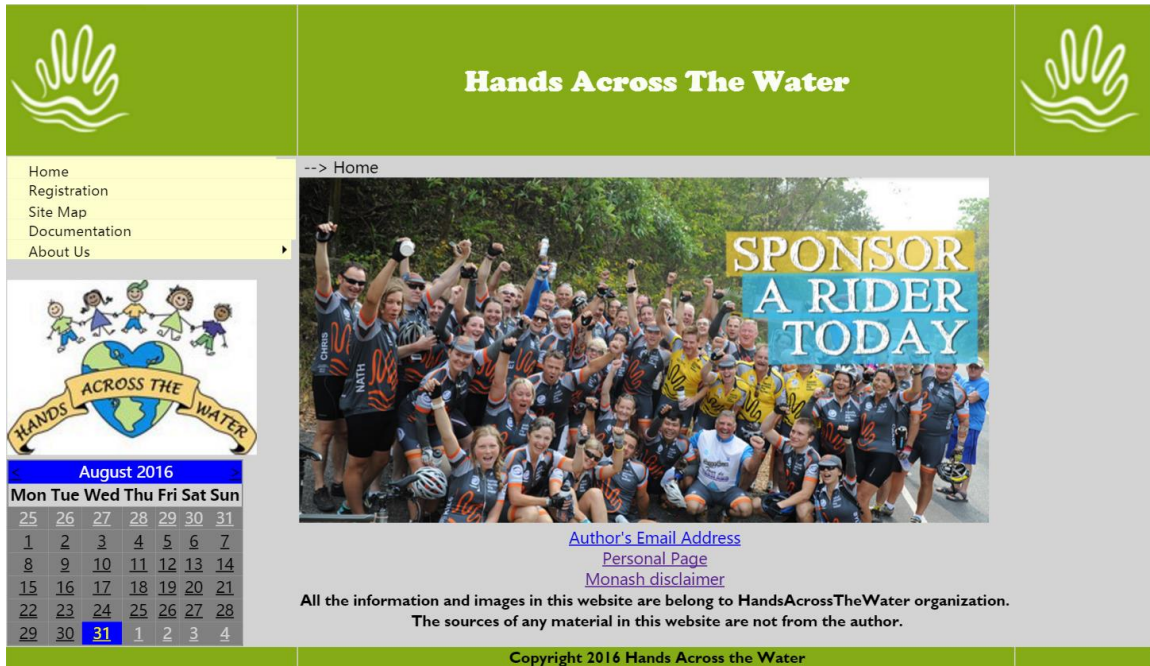




### 3. Core program functionality

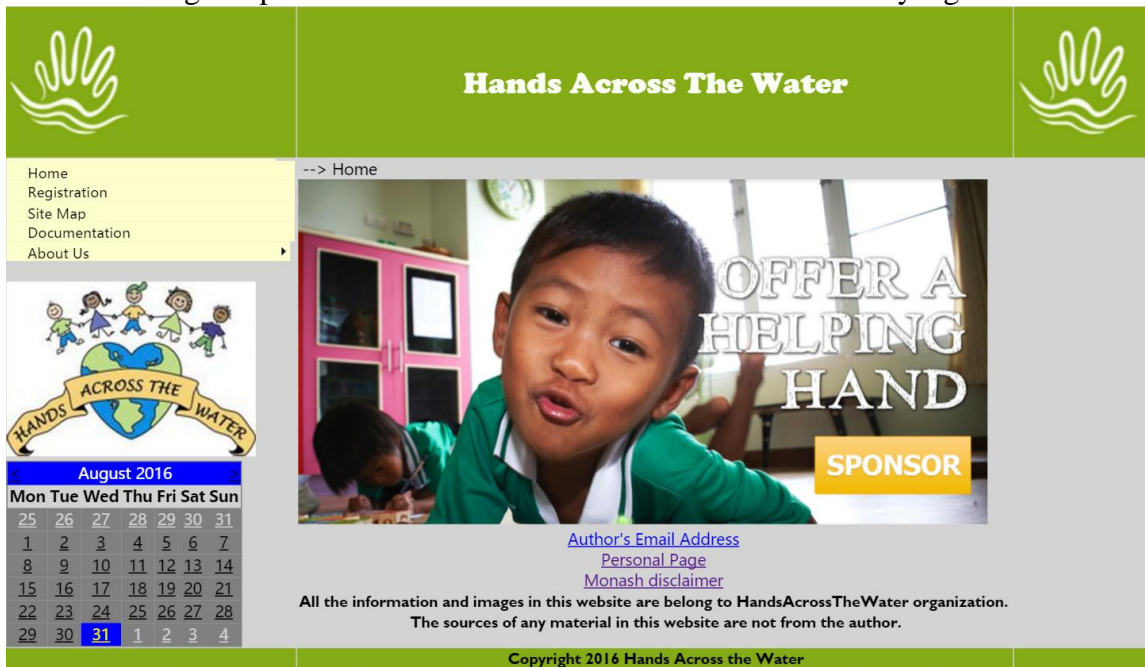
Master page is actually a 3\*3 table. The top 3 columns are the header of the web page. The middle 3 columns are the real content, left part for site map and calendar, right part for the content page. The bottom 3 columns are for the footer.

Logo	Title	Logo
Site Map Calendar	Content Page	
	Footer	

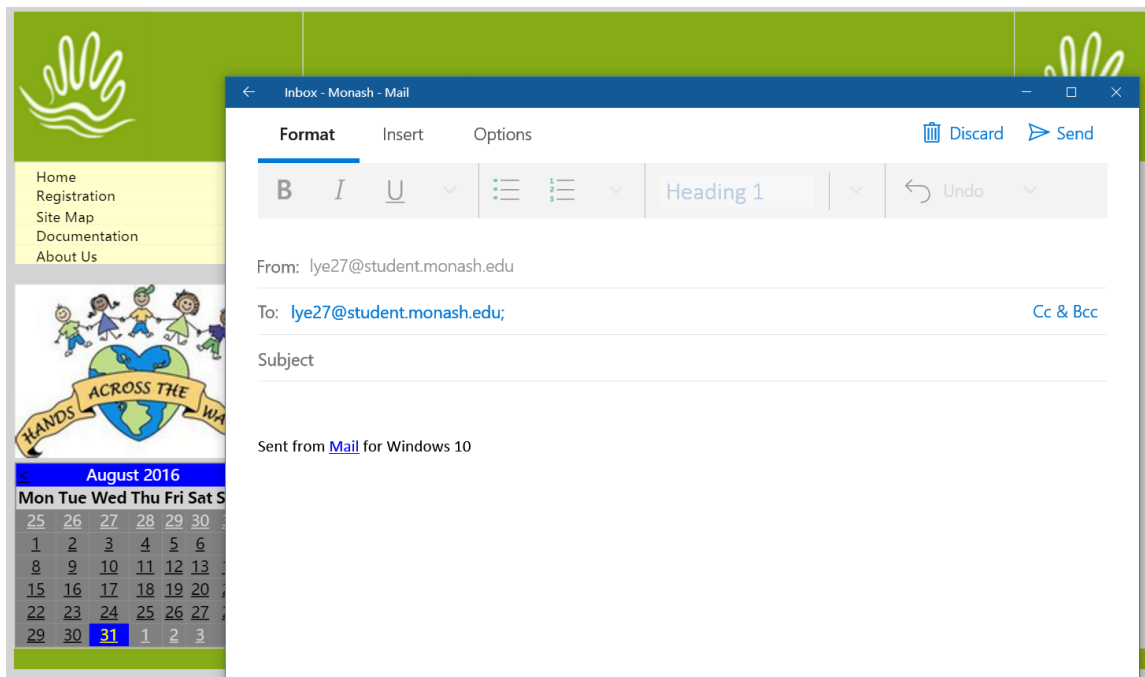


The site map is at top left, it uses fly out menu for the navigation, the calendar is under the menu and it can show today's date. Both of these two features are within the master page which means they show up at same place for every page.

"→ Home" is the site path of the page, it belongs to master page. The content page is below the site path. In each different page the content is different. For the Home page, the picture in the middle is a "adrotator", when visitors click this picture it will bring them to the web page for related event. The picture is different for each time the visitor opens this web page.



Author's E-mail address is below the adrotator, it will call up the mail application and link to my email address.



Links for personal page and Monash disclaimer page are under the mail address and so is the copyright declaration.



Home  
Registration  
Site Map  
Documentation  
About Us

--> Registration

**Sign Up For Us!**

Username:  
Password:  
Confirm Your Password:

Gender :  
☒ Male  
☐ Female

Choose one event :  
Bike Trip  
Book Reading  
3 Days Camping

State: VIC  
Birth Date:  
Pre-Order Tickets (Between 0 to 5):  
Email:

New Message Recieved By:  
☒ E-mail  
☒ Facebook  
☒ SMS

Check  
Click the button

August 2016  
Mon Tue Wed Thu Fri Sat Sun  
25 26 27 28 29 30 31  
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

In this page, visitors can sign up by type in their information including Username, Password, Gender, Event, State, Birth Date, numbers of pre-order tickets, E-mail, and ways they want to be informed.

Validations:

3.1. Visitors should type in all the information required from this page, otherwise they won't pass the check.

--> Registration

**Sign Up For Us!**

Username:  Please enter a valid Username

Password:  Please enter a Password

Confirm Your Password:  Please enter your password again

Gender :   
☒ Male  
☐ Female

Choose one event : :   

Bike Trip  
 Book Reading  
 3 Days Camping

State

Birth Date:  Please enter your birthdate

Pre-Order Tickets (Between 0 to 5):  Please enter a number

Email:  Please enter your E-mail address

New Message Recieved By:   
☒ E-mail  
☒ Facebook  
☒ SMS

Click the button

3.2. Visitors can double check their password and there will be an error message if two passwords are not same.

Password:

Confirm Your Password:  Not Same Password!

3.3. Pre-Order Tickets is should between 0 to 5

Pre-Order Tickets (Between 0 to 5):  Pleas enter between 0 to 5

3.4. Email address should be valid.

Email:  Invalid Email

3.5. Birth Date should be valid and before today.

Birth Date:  The BirthDate is later than today!

After visitors type in their valid information, the page will let visitor confirm their profile.



```
--> Registration
Your username is : 11
Your gender is : Male
State : VIC
Your birth date is : 1-1-1960
You have pre-ordered 0 tickets
Your E-mail address is : 1@q.q
You want to be informed by Email Facebook SMS
You choose to attend : 3 Days Camping
```

After a successful registration, a new record will be stored into the database

View All


At the bottom of the Registration page, there are two links to pages for users to explore the database. The View All page shows all records in database and users can click the button field and hyperlink field at the end of the row to check the details of one record.

Hands Across The Water											
UserId	UserName	Password	Gender	Events	State	BirthDate	Tickets	Email	Display Button	UserData	
1	test	test	Male	Book Reading	VIC	1-1-1990	0	lye27@student.monash.edu	Display	<a href="#">test</a>	
2	Bob	bob	Male	Book Reading	VIC	3-1-1978	4	Bob@gmail.com	Display	<a href="#">Bob</a>	
3	Sue	sue	Female	Bike Trip	VIC	5-4-1989	2	suess@gmail.com	Display	<a href="#">Sue</a>	
4	asd	asd	Male	3 Days Camping	VIC	2-2-2012	1	1@q.q	Display	<a href="#">asd</a>	
5	Bill	123	Male	Book Reading	VIC	2-2-2012	1	yeluyang530@gmail.com	Display	<a href="#">Bill</a>	
6	Bubi	123	Male	Book Reading	VIC	2-2-2012	1	1@q.q	Display	<a href="#">Bubi</a>	
7	test1	123	Male	Book Reading	VIC	2-2-2012	1	yeluyang530@gmail.com	Display	<a href="#">test1</a>	


Click Display Button



# Hands Across The Water



- Home
- Registration
- Site Map
- Documentation
- About Us
- Email



October 2016

Mon Tue Wed Thu Fri Sat Sun

26 27 28 29 30 1 2

3 4 5 6 7 8 9

**User Name** test

**Password** test

**Gender** Male

**Events** Book Reading


**State** VIC

**Birthday** 1-1-1990


**Pre-ordered tickets** 0

**E-mail** lye27@student.monash.edu


Click user's link:



# Hands Across The Water



- Home
- Registration
- Site Map
- Documentation
- About Us
- Email



October 2016

Mon Tue Wed Thu Fri Sat Sun

26 27 28 29 30 1 2

3 4 5 6 7 8 9

**UserId: 1**

UserName: test

Password: test

Gender: Male

Events: Book Reading

State: VIC

BirthDate: 1-1-1990

Tickets: 0

Email: lye27@student.monash.edu

Site Map page:

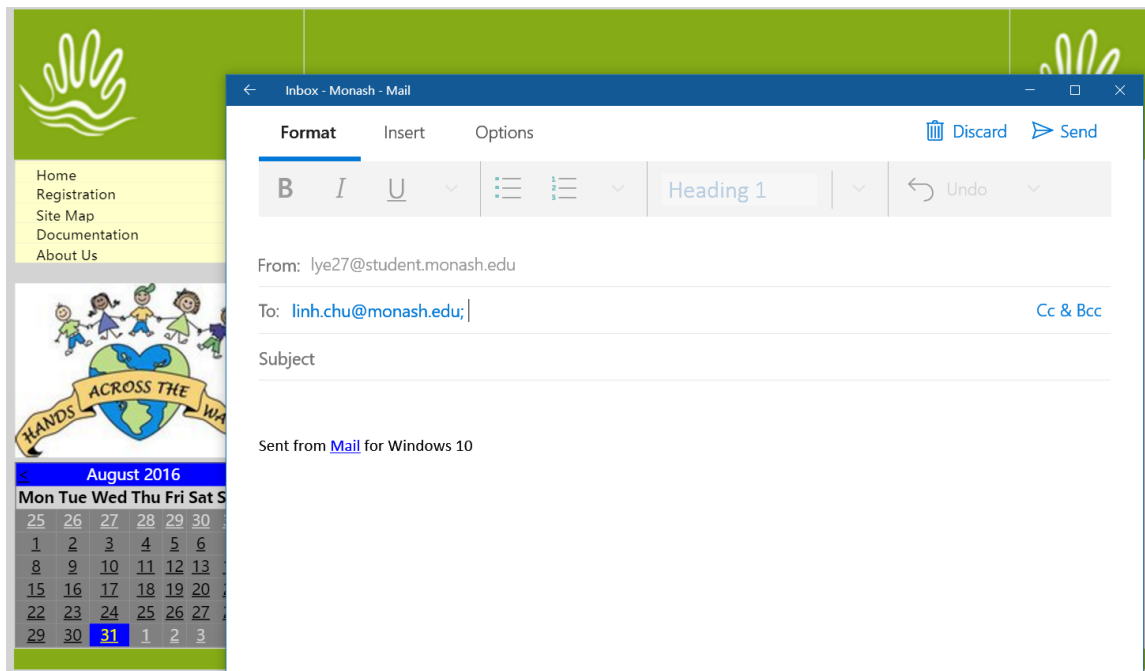


Site map page contains a tree view site map that can link to other page.

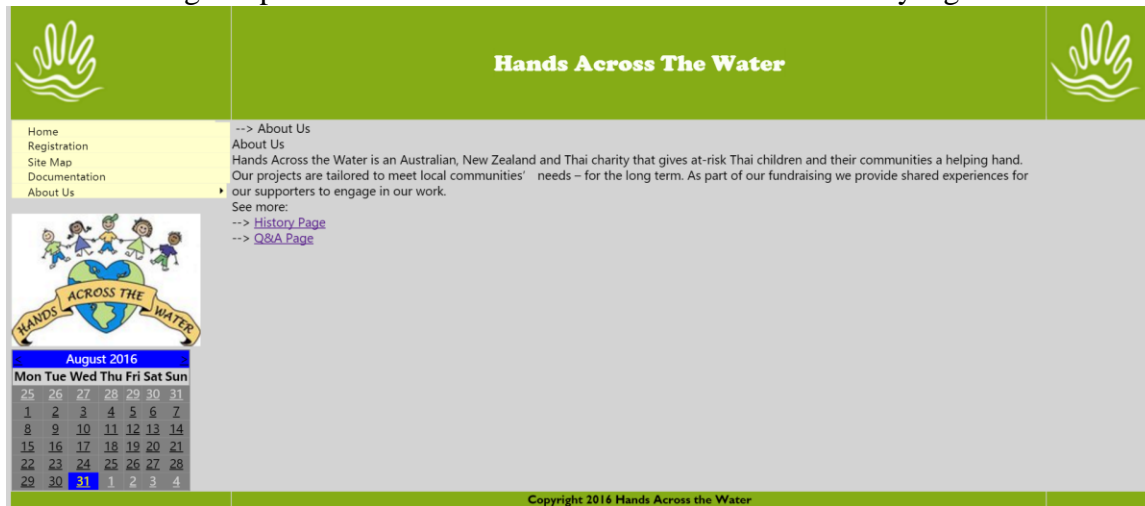
Documentation Page:



It contains assignment information

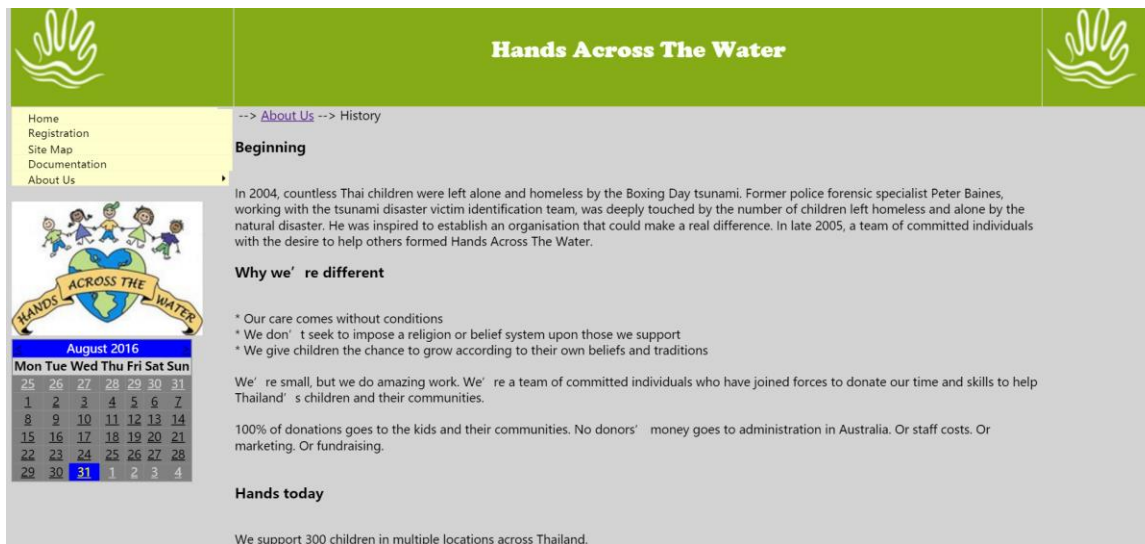


About Us page:

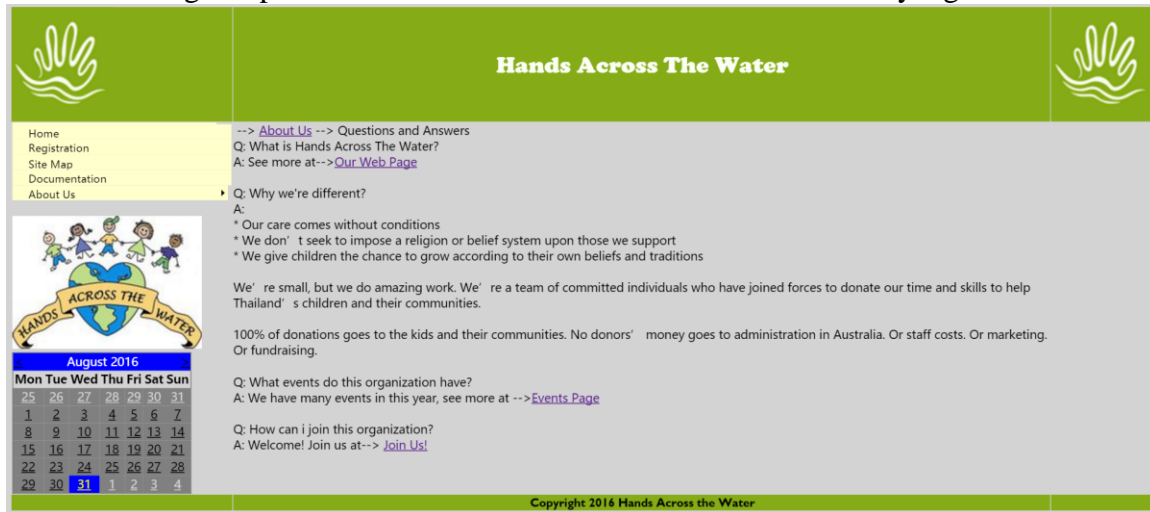


This page gives a basic view for this charity organization and it has two sub-pages: History Page and Q&A Page.

History Page:




Q&A Page:



## Email Page

Users can send email to users in the database by click the checkbox at the end of rows. Users can type in their email title and content, then press button Send Email, the email will send to those email address.



Home  
Registration  
Site Map  
Documentation  
About Us  
Email

--> Email

Welcome, test

[Logout](#)

UserId	UserName	State	Email	Select
1	test	VIC	lye27@student.monash.edu	<input checked="" type="checkbox"/>
2	Bob	VIC	Bob@gmail.com	<input type="checkbox"/>
3	Sue	VIC	suess@gmail.com	<input type="checkbox"/>
4	asd	VIC	1@q.q	<input type="checkbox"/>
5	Bill	VIC	yeluyang530@gmail.com	<input type="checkbox"/>
6	Bubi	VIC	1@q.q	<input type="checkbox"/>
7	test1	VIC	yeluyang530@gmail.com	<input type="checkbox"/>

From: lye27@student.monash.edu

Subject: This is a test email


test content

Message

[Send Email](#)

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## Check Google Mailbox



MONASH University

邮件 -

写邮件

收件箱 (461)

已加星标

已发邮件

草稿 (10)

显示更多标签 -

This is a test email

HandsAcrossTheWater

发送至 我

test content

点击此处可回复或转发

使用了0.41 GB

使用规定  
由 Google 强力驱动

上次帐户活动时间: 0分钟前  
[详细信息](#)

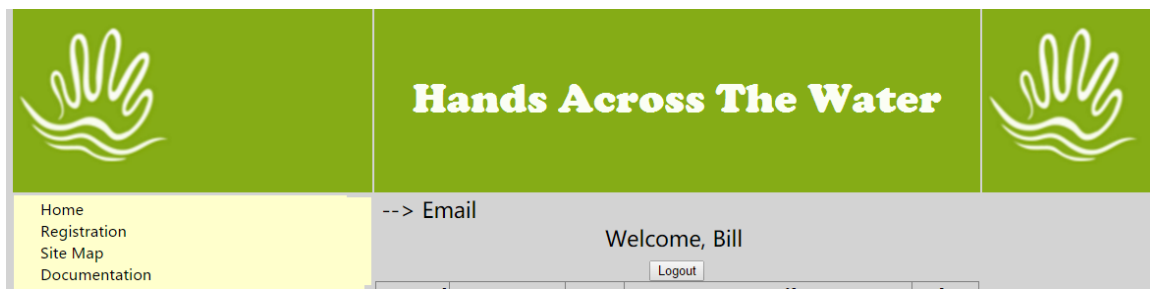
## Login Page

Different from credit part, this website now contains a simple Login system. Users can't view AboutUs, Documentation, Email, History, QA, and SitePage unless they have logged into the website. So when they try to open these pages, a Login page will come up to force users Login.



The screenshot shows the login page of the Hands Across The Water website. The header features a green bar with a white hand logo on the left, the text "Hands Across The Water" in the center, and another white hand logo on the right. Below the header, on the left, is a yellow navigation menu with links: Home, Registration, Site Map, Documentation, About Us, and Email. To the right of the menu is a green box with the text "Welcome To Hand Across the Water". Below this box are input fields for "User Name:" and "Password:", followed by a green "Login" button. At the bottom left, there is a small illustration of five children holding hands around a globe.

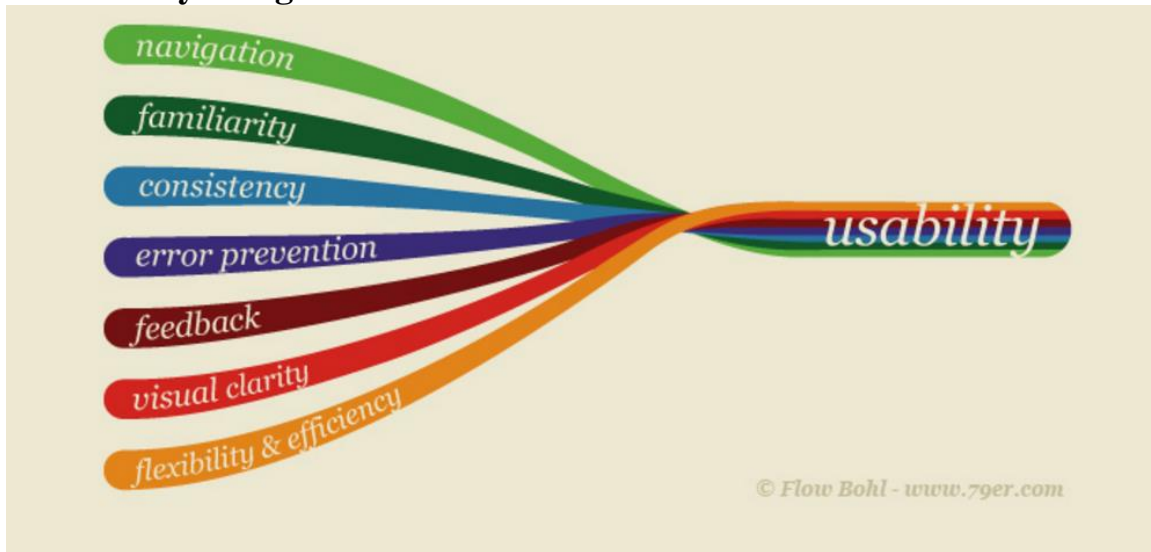
And when users successfully login, they can view those pages and also they can logout by pressing the Logout button.



The screenshot shows the website after a successful login. The header is identical to the previous page. The left navigation menu remains the same. The main content area now displays "--> Email" and "Welcome, Bill". A "Logout" button is visible below the welcome message. The bottom of the page shows a partial view of a table with several columns.



#### 4. Usability Design Review



##### 4.1 Navigation

Navigation helps visitors to know “where am I?”. The site map and site map path can help visitor know which page they are currently viewing and it’s easy for them to move to any page they want to see in the website.

##### 4.2 Familiarity

Familiarity means visitors can recognize buttons and signs in the website and know what they can achieve due to these features. Like website links and E-mail links are in blue colour so and explained well for their use. And also check button is familiar for visitors so that they know they can check their profile by pressing this button.

##### 4.3 Consistency

It means that every page has the same style layout. Master page is the main style and all the content pages are inside this master page, So they all have same style.

##### 4.4 Error Prevention

Error prevention allows visitors to make mistakes in the website. For example the Registration page allows visitors to type in invalid information but no causing series problem. Using try-catch method to deal with the received message can avoid web page shut down.

##### 4.5 Feedback

It means that when visitors are interacting with the website, they can always get response due to their operation. For example in the Registration page, if visitors type in invalid information, the error message in can help visitors to know which part is wrong when they can't pass the validation. In Login page, users will get feedback if they left username or password textbox blank or they typed wrong information.

#### 4.6 Visual Clarity

It means UI should be neat and clear. Visitors should be easy to find what they want from your web page. Site map navigation could be a feature that helps visitor to reach the page they want. And also high light title in Q&A and History page can help visitors to read.

#### 4.7 Flexible and Efficiency

The website should be easy to switch between different pages and loading time should not be too long. For example a high quality image can let visitors see more details of the product but it takes long time for them to download it and this is a bad experience.

**5. Checklist of site functionality**

	<b>TICK if complete</b>
<b>1. (Home Page)</b>	
Good Design	Yes
<b>2. (Registration)</b>	
Web form and validation controls	Yes
Formatted data entry display	Yes
Database update	Yes
Display all records using Grid View	Yes
Search records	Yes
Good Overall page design	Yes
<b>3. (About Us)</b>	
No changes	Yes
<b>4. (Site Map)</b>	
No Changes	Yes
<b>5. (Documentation)</b>	
Author/assignment details	Yes
Style sheet	Yes
Skin	Yes
<b>6. (Login System)</b>	
Implementation and Design	Yes
<b>High end Distinction Requirements</b>	
<b>7. (Email)</b>	
Alphabetically sorted list	Yes
Send email to selected customers	Yes
<b>8. (Calendar)</b>	
No Change	Yes
<b>Audit</b>	
No breaking of copyright	Yes

## 6. User stories

To be honest, I choose the “Hands Across the Water” organization is because it is my another unit’s study case. I did a lot of research and analysis to this charity organization and I think I’m familiar with them. So I truly know what they are doing and what events they are going to hold. I can’t do much to help those Thailand kids but I want to make this website for respect.

## 7. Data dictionary

Field Name	Caption	Data Type
BirthDate	BirthDay	Datetime
Ticketcheck	Numbers of pre-order tickets	integer
.Text	All the text values for label and textbox	string