



FIT5032 Design Report (Distinction Code Task)

“Sea Life Protection” CHARITY WEB SITE

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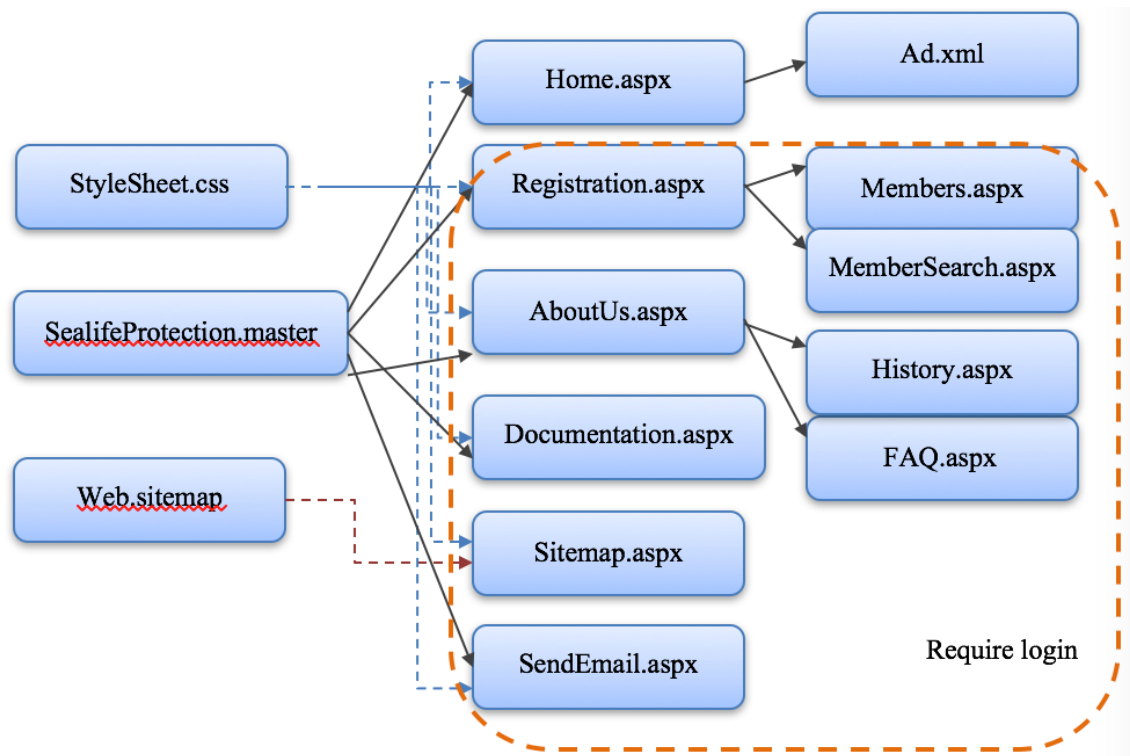
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1. **Overview**

Sea Life Protection website is dedicated to providing a platform for people to work together to protect marine life and organizing some activities to raise public's attention to protect endangered sea lives. This application provides following main fuctions:

- Home Page: home page contains the vision of this website and what people do in this organization to protect sea life and some advertisements link and disclaimers and copyright information link.
- Login: Home page can be viewed by any users, but if a user want to view any other pages they need to login and a login page will pop up in the home page. Users are prompted to enter username and password. Only if username and password are matched and validated, this user can view more pages.
- Registration Page: Users can register in the registration page then they can take further step to get involved in the activities of this organization. User need to fill in a form and formats users input in a few fields are controlled by validator. View all members and search by name, gender and states are also provided.
- About Us Page: When clicking About us tag in the option menu, users will see some information about the organization.
- FAQ and Our History: Included in the About Us tage, faq and our history pages is design to introduce the history of this organization and answers of frequently asked questions.
- Site map page: Give an overview structure of this website using tree view and navigate user to explore this website.
- Send Email page: This page provide logged in users the function to sand email to their members, which can inform their members about the news and activity.

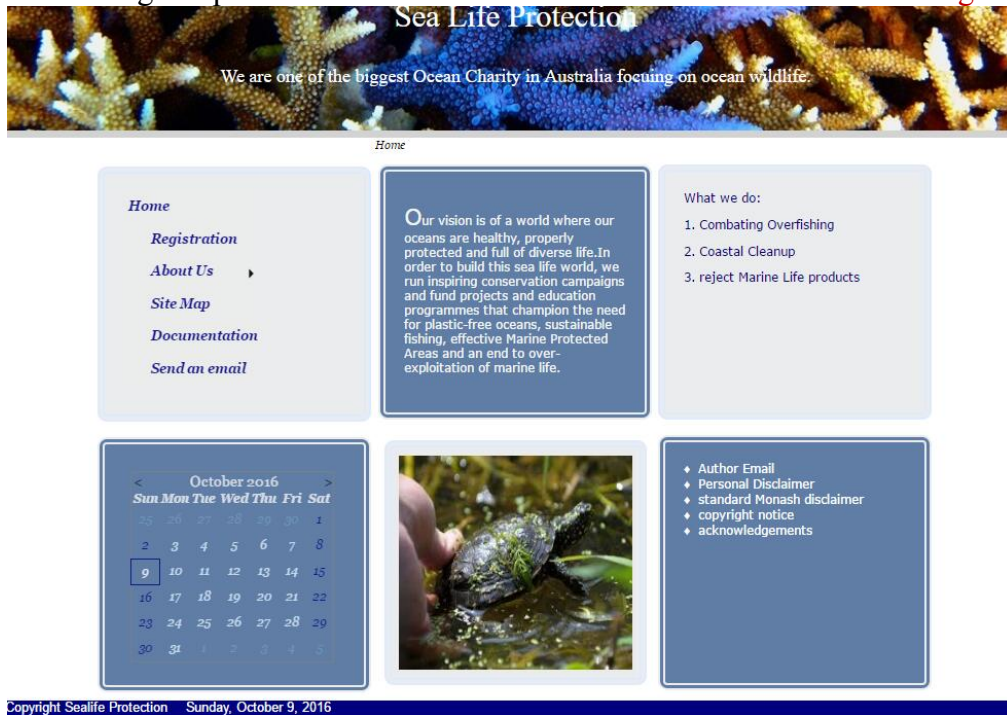
2. Functional diagram



3. Core program functionality

There is one Master Page providing consistent look of the theme and option menu and calendar for the website. Other functions like login, register and search are supplied by any other .aspx pages. The core website functionalities bellowed are:

- **Master Page:** In the master page, theme picture is on the top styled by a css file and on the left hand side panel of master page, there is a option menu and with a calendar control below it, with a proper footer with current date and copyright are also provided at the bottom.



- Home Page: home page is designed to provide vision of this organization and give hyperlinks of author email, disclaimer, acknowledgements and copyright information. Also the ad rotator control makes the advertisement refresh when the page is loaded. Apart from that breadcrumb control is provided below the banner.

Our vision is of a world where our oceans are healthy, properly protected and full of diverse life. In order to build this sea life world, we run inspiring conservation campaigns and fund projects and education programmes that champion the need for plastic-free oceans, sustainable fishing, effective Marine Protected Areas and an end to over-exploitation of marine life.

What we do:

1. Combating Overfishing
2. Coastal Cleanup
3. reject Marine Life products



- ♦ Author Email
- ♦ Personal Disclaimer
- ♦ standard Monash disclaimer
- ♦ copyright notice
- ♦ acknowledgements

Our vision is of a world where our oceans are healthy, properly protected and full of diverse life. In order to build this sea life world, we run inspiring conservation campaigns and fund projects and education programmes that champion the need for plastic-free oceans, sustainable fishing, effective Marine Protected Areas and an end to over-exploitation of marine life.

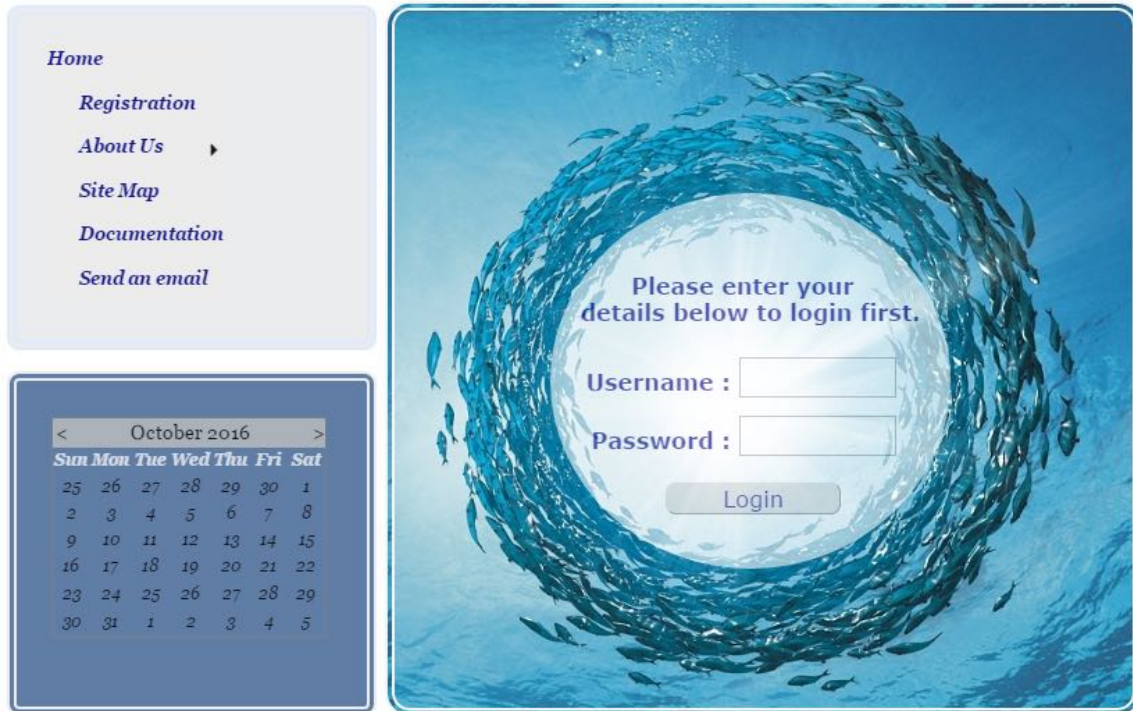
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- Log In page: when users want to see pages other than home page, users need to login and username and password should be provide. If username and password are matched and correct, after click login, user can view other pages. Otherwise, they will still stay in the same page. Login page pops up as displayed below:



Logout functionality:

- When users click logout button, the page is redirected to the Login page and if user want to view other pages other than homepage, users still need to login.
- Registration Page: The registration page provides different controls to make sure user enter correct form of information like RequiredFieldValidator, RegularExpressionValidator, CustomerValidator and so on. Textboxes, dropdown list, RadioButton, Listbox and checkbox are provided to give users a choice. Once user fill in the form correctly, the information users submitted will pop up. If a user fill up a field wrongly, there is a prompt message showing after the textfield. In addition, links to view & search all members are provided at the bottom of the registration page.

[Logout](#)

Registration Form

* Full Name: *Please enter full name*

* Gender: ☐ Male ☐ Female *Please choose your gender*

* E-Mail: *Please enter Email*

Mobile:

Address:

Postcode: --State--

* Password: *Please set password*

* Confirm Pw: *Please re-enter password*

* Support us: ☐ Donate ☐ Volunteer

[Submit](#)

[View all members](#) [Search a member](#)

[Home](#)

[Registration](#)

[About Us](#) ▶

[Site Map](#)

[Documentation](#)

[Send an email](#)

< October 2016 >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	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

Full Name: yangxu **Gender:** Male

Email: yanz735@gamil.com **Mobile:** 0231451232

Address: 55 Centre Rd **Postcode:** 2301 VIC

You are planning to donate, thank you!

Optional Survey:
Among three pics in our home page,
what are you interested in?

Pics in home page:

Interested:

[add interest](#) [remove intere](#)

- View all members page: All the information of registered members are getting from data base and displayed in this page using accessDataSource control. To perform better, one page is fixed with 6 records and user can change page by clicking page numbers at the bottom of gridView. BoundField, HyperlinkField (MemberName is the URL field), and ButtonField(Display) are used when display the information in GridView. If Display button is clicked, the corresponding member details will be shown below the gridView. Hyperlink Name provide navigation to another page showing this member.

The screenshot displays a web application interface. On the left, a navigation menu includes links for Home, Registration, About Us, Site Map, Documentation, and Send an email. Below the menu is a calendar for October 2016, with the 17th highlighted. The main content area features a table with 6 columns: ID, FullName, Gender, Email, Mobile, and Address. The table contains 6 rows of member data. Below the table, there are page navigation buttons (1, 2, 3) and a detailed view for the selected member (ID: 2), showing their gender, email, mobile number, and address.

ID	FullName	Gender	Email	Mobile	Address
1	John	male	jn1@gmail.com	0432739433	333Centre Rd
2	Smith	male	sm2@gmail.com	0436592100	5 Trace Rd
3	Daisy	Female	yzha735@student.monash.edu	0234567890	n
4	qwe	Female	q@.com	0234567890	123
5	new	Female	new@g.com	0234567890	12
6	a	Female	a@.d	0111111111	qw

1 2 3

ID: 2
 Gender: male
 Email: sm2@gmail.com
 Mobile: 0436592100
 Address: 5 Trace Rd 3201 vic

- Search Member page: User can search members by name, gender or state. There are three search text boxes and three corresponding search buttons. No matter by which information the user is searching, matching records will be displayed in the gridView below. The search also allow fuzzy query, which means user can search by only part of name, gender or state.

The screenshot shows a web interface with a blue background and rounded corners. At the top right, there are two buttons: 'Back' and 'Logout'. The main heading is 'Find a member'. Below this, there are three search filters, each with a text input field, a 'Search' button, and a label indicating the search criteria. The first filter is for the member's name, with the input field containing 'Joh' and the label 'by full name'. The second filter is for the member's gender, with an empty input field and the label 'by gender'. The third filter is for the member's state, with an empty input field and the label 'by State'. Below the search filters, there is a section titled 'MemberID: 1' followed by a list of member details: 'FullName: John', 'Gender: male', 'Email: jn1@gmail.com', 'Mobile: 0432739433', and 'Address: 333Centre Rd 3340 Vic'. A vertical scrollbar is visible on the right side of the form.

Find a member

Please enter part, or all, of the Member's name (without any spaces).

Joh by full name

Please enter part, or all, of the Member's Gender.

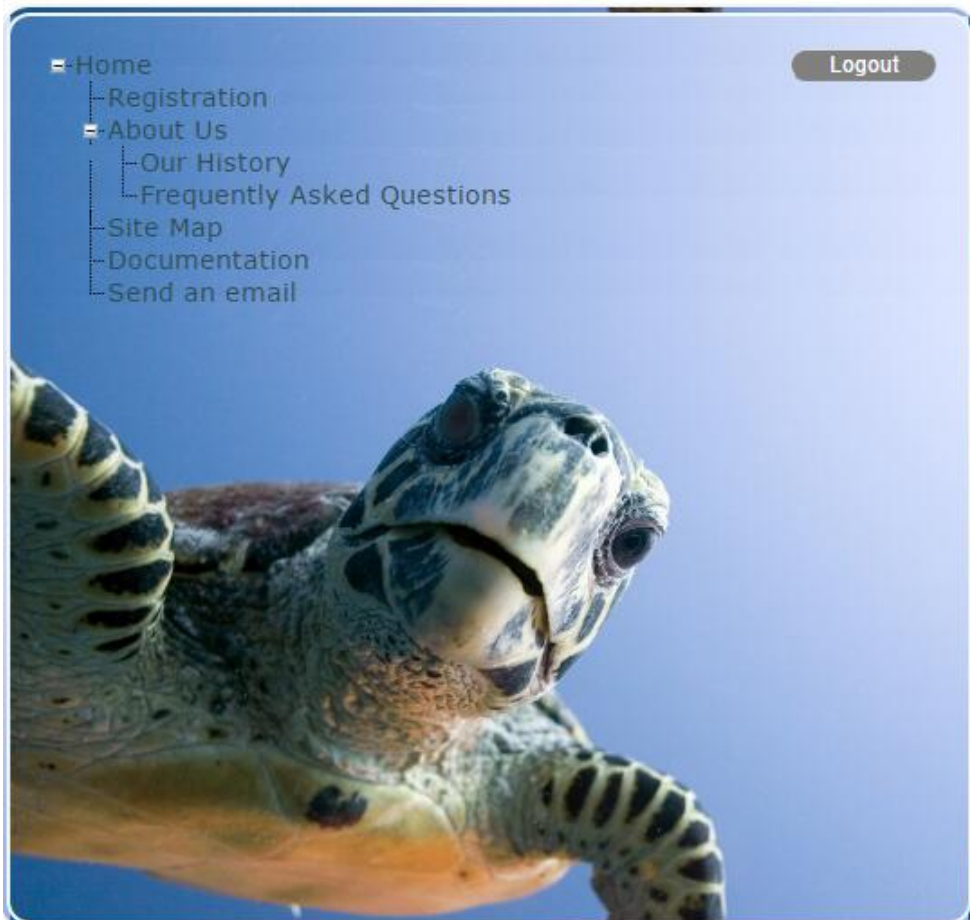
by gender

Please enter part, or all, of the Member's State.

by State

MemberID: 1
FullName: John
Gender: male
Email: jn1@gmail.com
Mobile: 0432739433
Address: 333Centre Rd 3340 Vic

- Site map page: it will display the tree view of this website and users can go into one of these pages via the site navigation.



- Documentation page: the documentation page contains information of the author and the assignment. It links to the author information and the assignment specification.



A blue rectangular card with rounded corners containing user information. In the top right corner, there is a grey button labeled 'Logout'. The text on the card is as follows:

Author

Name: Yan Zhang

Student Id: 25738194

Unit Name: Internet application development

Unit Provider: Monash University, the Caulfield school of Information Technology

Assignment Number: Credit Task

Date of submission: 09/10/2016(resubmission)

Tutors name: Linh Chu

- Send an Email page: This page establish the communication from logged in user (admin) and all registered members through email. Number of records is fixed as 6 in one page. User can click page number at the bottom of the gridView to see next 6 records. Logged in user can simply choose the person he want to connect by click corresponding checkbox. After entering subject and content, he can send email by click sent button.

Choose receivers: Logout

FullName	Mobile	Email	✓
John	0432739433	jn1@gmail.com	<input checked="" type="checkbox"/>
Smith	0436592100	sm2@gmail.com	<input checked="" type="checkbox"/>
Daisy	0234567890	yzha735@student.monash.edu	<input type="checkbox"/>
qwe	0234567890	q@.com	<input type="checkbox"/>
new	0234567890	new@g.com	<input type="checkbox"/>
a	0111111111	a@d	<input type="checkbox"/>

1 2 3

From Yan

Subject Hello

4. Usability Design Review

1. Navigation

There are five options in the navigation menu which is on the left hand side of the master page. The text is easy to see for users and in addition, the breadcrumbs will show where the user is and users also can navigate by the tree view site and go into another page by click the tag in the tree view.

2. Familiarity

The layout of the main page is typical and familiar for users, the name and theme picture is shown at the top of the home page, which is similar to most popular websites. Navigation is placed similarly on the left hand side of the website. Theme title is in a big font size. This helps the users not thinking too much about where to click and spending more time on the contents. And the proper error message will pop up when users enter the wrong information during registration. And the sitemap can provide the visual structure to users to navigate.

3. Consistency

The chosen colour and picture of the webpage is consistent with the theme of this charity. Furthermore, home page contains an AdRotator control to display three banner advertisements related to the theme of Sea Life Protection, which will uplift the integral sense of the webpage.

4. Error Prevention

Adequate visual hints (text-size, red/greens and colour contrasts) and a clear layout are provided in this website to help user to prevent error input. For example, during registration, when a user clicks somewhere by accident or forgets to input something, the error message will pop up and make it easy for users to recognize, diagnose and recover from an error.

5. Feedback

A quick and timely response to user' interaction with this website is provided in this website, For example, when registering to this charity, if users entered wrong input and then the prompt message will pop up quickly or when the user submits the information, all the entered information is displayed back to the screen with a message of success submission. So, saving a user's time is also a kind of giving valuable feedback.

6. Visual Clarify

Content and site structures are arranged in a visually clear layout to navigate for users. The simplicity of sea life protection website helps to improve the visual clarity. In the website users can easily see what information they want to click because of the clear layout. And in the registration page, users will get quick response from the prompt message and using the site map to navigate users will give users more guidance of this website.

7. Flexibility

A flexibility website design should be fully proportional for multiple devices and this Sea Life Protection website can automatically adjust to fit multiple screen size.

Therefore, only one version of this website should be developed instead of designing one for computer and another one for other mobile devices

5 Checklist of site functionality

1. (Home Page)	
Good Design	✓
2. (Registration)	
Web form and validation controls	✓
Formatted data entry display	✓
Database update	✓
Display all records using Grid View	✓
Search records	✓
Good Overall page design	✓
3. (About Us)	
No changes	✓
4. (Site Map)	
No Changes	✓
5. (Documentation)	
Author/assignment details	✓
Style sheet	✓
Skin	✓
6. (Login System)	
Implementation and Design	✓
High end Distinction Requirements	
7. (Email)	
Alphabetically sorted list	✓
Send email to selected customers	✓
8. (Calendar)	
Background colour set	✓
Label displays description and time of today's events	

Label displays "No Event" text	
Audit	
No breaking of copyright	✓

5. User stories

As a user, I want to login to the website, so I can view the pages other than homepage.

As a user, I want to log out so I can quit from this website.

As a logged in user, I want to view all the members so I can contact them (send email).

As a logged in user, I want to search members by name, state or gender, so I can find them quickly.

6. Data dictionary

Name	Type
charityMaster	.master
Home	.aspx
Registration	.aspx
ViewAllData	.aspx
Search	.aspx
Contact	.aspx
PersonDetails	.aspx
AboutUs	.aspx
FAQ	.aspx
History	.aspx
SiteMap	.aspx
Documentation	.aspx

Login	.aspx
adRotator	.xml
Web	.sitemap
StyleSheetsimple	.css
SkinFile	.skin
Customers	.mdb
Login	.mdb

Data type in database:

MemberID	Autonumber
FullName	Short text
Gender	Short text
Email	Short text
Mobile	Short text
Address	Long text
Postcode	Short text
State	Short text