
Scubbi

Functional Specification Document

Online Diving Portal - Customer Module

Version 1.0.0

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1.0	06 Jan 2017	Fong Zhan Teng	Initial Release
1.1	20 Jan 2017	Fong Zhan Teng	Added/ Modified: Page 6, Flowchart1 – Liveaboards tab (next stage) Page 6, Flowchart1 – Special Offer changed from Tab to Section. Search Result Page Search Dive Center Page Appendices

Document Sign-Off

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Role	Name	Signature	Date
Author	Fong Zhan Teng		06 Jan 2017
Reviewer			
Reviewer			
Reviewer			
Approver			
Approver			

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Terms and Definitions

Abbreviation below will be used throughout the document:

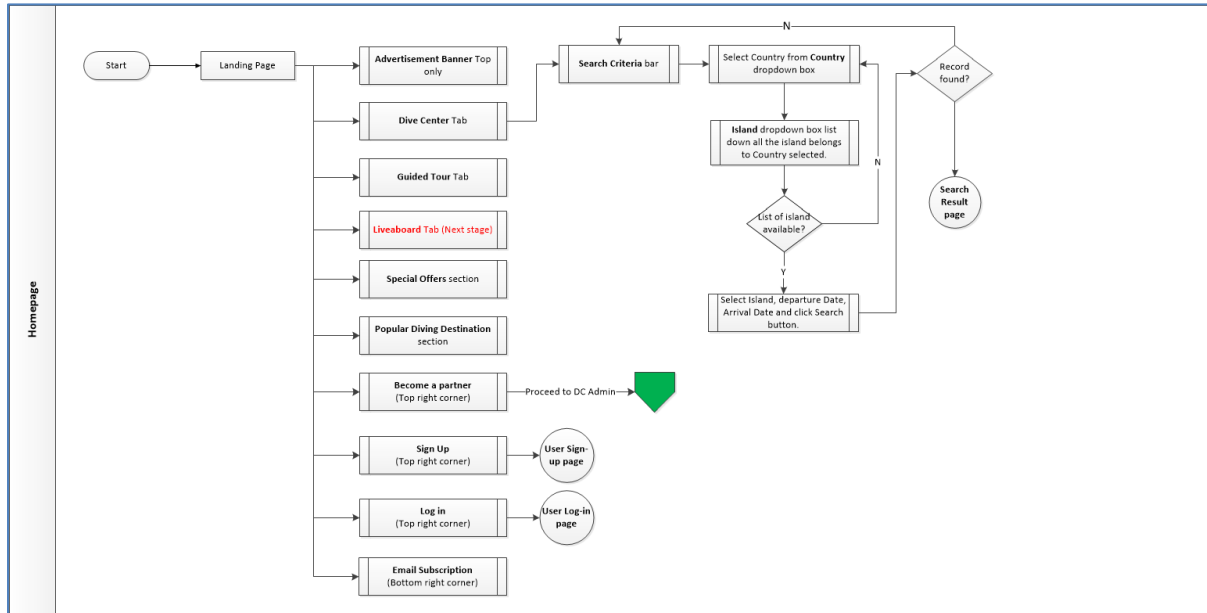
Abbreviation	Description
DCM	Dive Center Module
SAM	Scubbi Admin Module
CM	Customer Module
FSD	Functional Specification Document

1 Introduction

This document describes the requirement and functional specification as well as screen layout and business rules of Customer module, part of the Online Diving Portal.

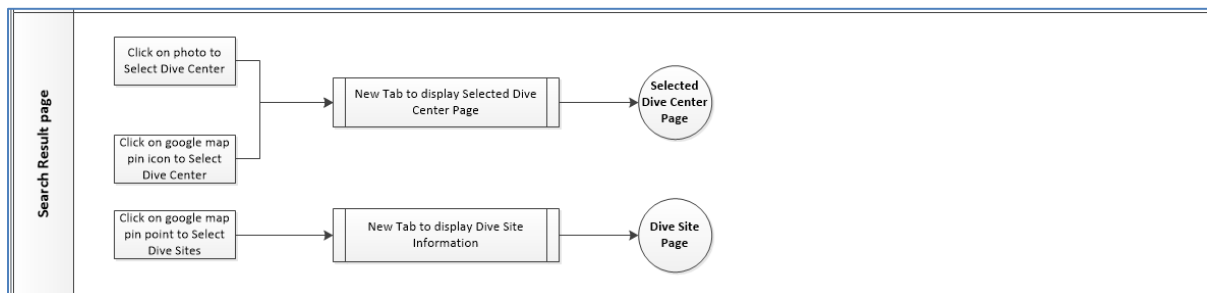
The Customer module provides a platform for diver/s searching a dive center and its diving package on specify location. Then diver/s able to confirm the booking by performs the online payment.

1.1 Customer Module Process Flow



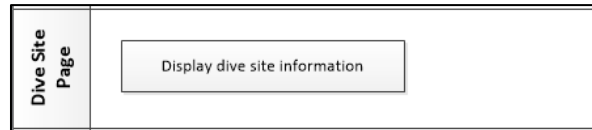
Flowchart1: Homepage

1. Customer accessed to SCUBBI website via browsers (Internet Explorer, Google Chrome, and Firefox).
2. **Homepage** shown with Search Criteria bar under the *Diver Center Tab* (default Tab).
3. Customer enters the search criteria and click on the search button. This will point to **Search Result Page**.

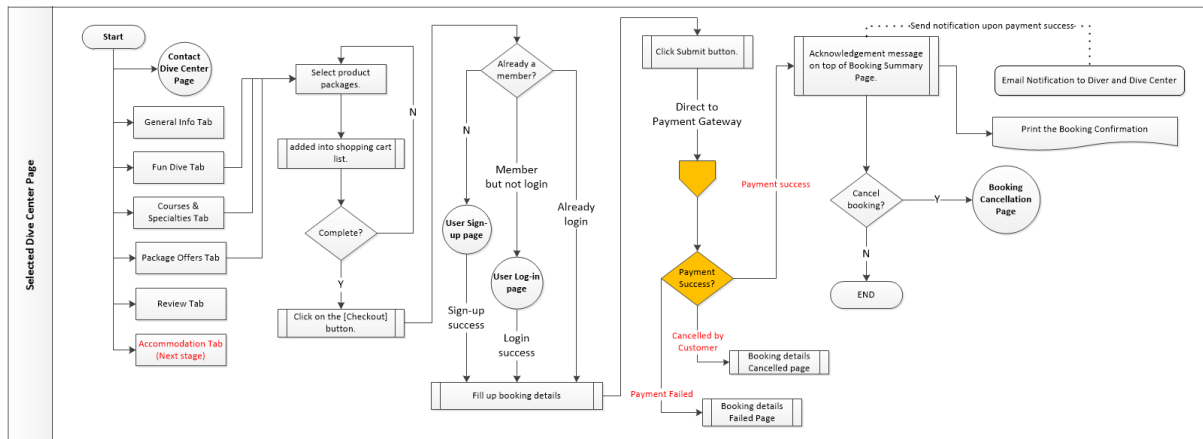


Flowchart2: Search Result page

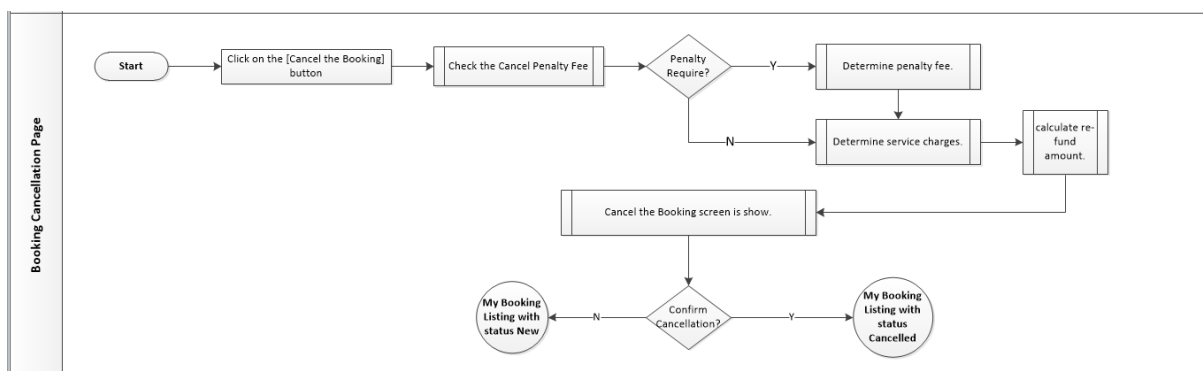
4. All related dive center belong to selected Country and Island are listed out in Photo view.
5. Customer selects the particular dive center by click on the dive center photo. This will open a NEW TAB to display the selected dive center details.
6. If customer click on the dive site pin point in Google map, this will open a NEW TAB to display the selected dive Site information in details.


Flowchart3: Dive Site page

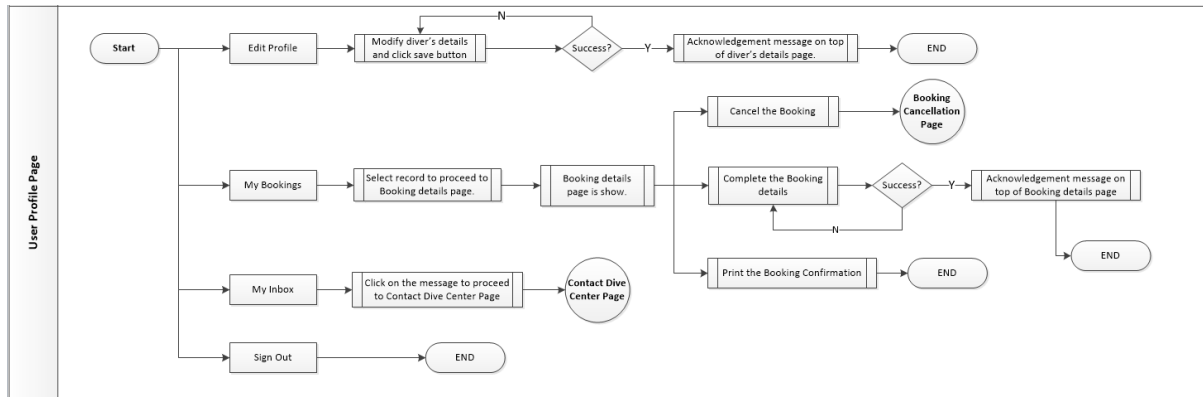
7. This page serves as addition information on the dive site.


Flowchart4: Selected Dive Center new Tab

8. Under the new page, there are 5 tabs displayed (General Info, Fun Dive, Courses & Specialties, Package Offers, and Review).
9. Customer is allowed to select different product packages from Fun Dive Tab, Courses & Specialties Tab or Package Offers Tab and add the selected package into Shopping Cart list.
10. Customer click on the Checkout button.
11. Upon clicking on the Checkout button, system to perform member login checking. Customer need to register as a member or login in order to proceed.
12. Booking details page is shown. Customer reviews the booking details and click on the Submit button.
13. Upon clicking on the Submit button, system will call Payment Gateway API and re-direct Customer to Payment Gateway's payment screen.
14. Customer enters the payment information (Credit card, online banking etc.) and confirms the payment.
15. If payments cancel by customer, return back to Booking details Cancelled page and display error message.
16. If payments fail, return back to Booking details Failed page and display error message.
17. If payment success, system will perform 2 tasks:
 - a. Send email notification to both customer and Dive Center.
 - b. Proceed to Booking Summary page with successful acknowledgement message show. Transaction Status updated to Success.
18. In Booking Summary page, customer is allowed to Print the booking confirmation and Cancel the booking.


Flowchart5: Booking Cancellation Page

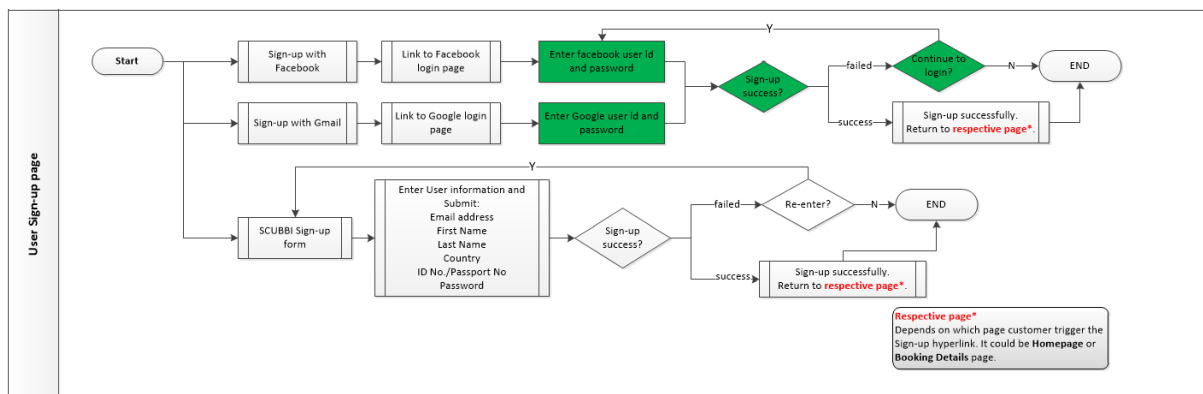
19. From the booking summary page above (or via User profile > My Bookings), Customer allows to cancel the booking.
20. Customer click on the [Cancel the Booking] button.
21. System to check if Penalty fee is requires. If yes, determine the penalty fee. The penalty fee could be based on no. of days calculated from the departure date and the percentage.
22. System to determine the service charges.
23. System require to perform calculation on the re-fund amount based on the service charges and penalty fee (if need).
24. The Booking cancellation page is show. Screen shown the re-fund amount, service charges and penalty fee charged.
25. Customer confirm the cancellation by click on the confirm button.
26. Cancellation success and re-direct to My Bookings with Transaction status update to Cancelled.



Flowchart6: User Profile page

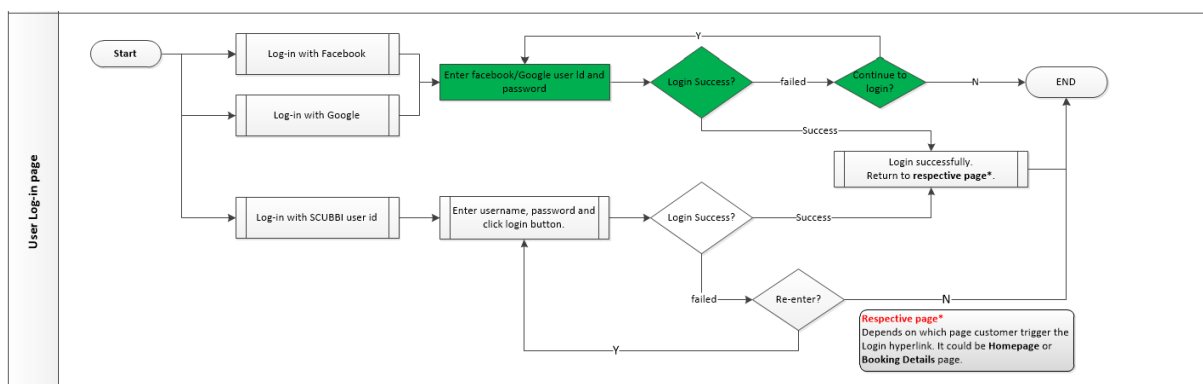
27. Under User profile page (top right corner of the page), Customer is allows performing functions below:

- Edit Profile – Edit customer personal information
- My Bookings – view/print/cancel booking details
- My Inbox – Send message to Dive center
- Sign Out



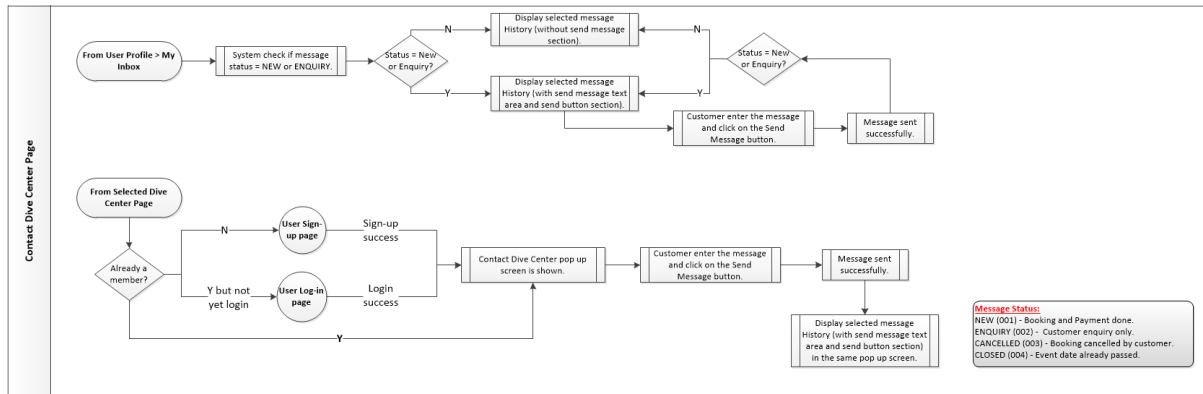
Flowchart7: User Sign-up page

- Non-member Customer require to sign-up as a SCUBBI member in order to proceed with the booking and payment.
- Customer can sign-up by clicking on the User Sign-up hyperlink at the top right corner.
- Customer can choose to sig-up via Facebook, Google or fill up SCUBBI sign-up form.
- For Google sign up, an email will send to customer's Gmail address. This require customer login to their Gmail to activate SCUBBI account via Gmail.



Flowchart8: User Log-in page

- Existing member can login by clicking on the User Log-in hyperlink at the top right corner.
- Customer can choose to log-in via Facebook, Google or SCUBBI user id.



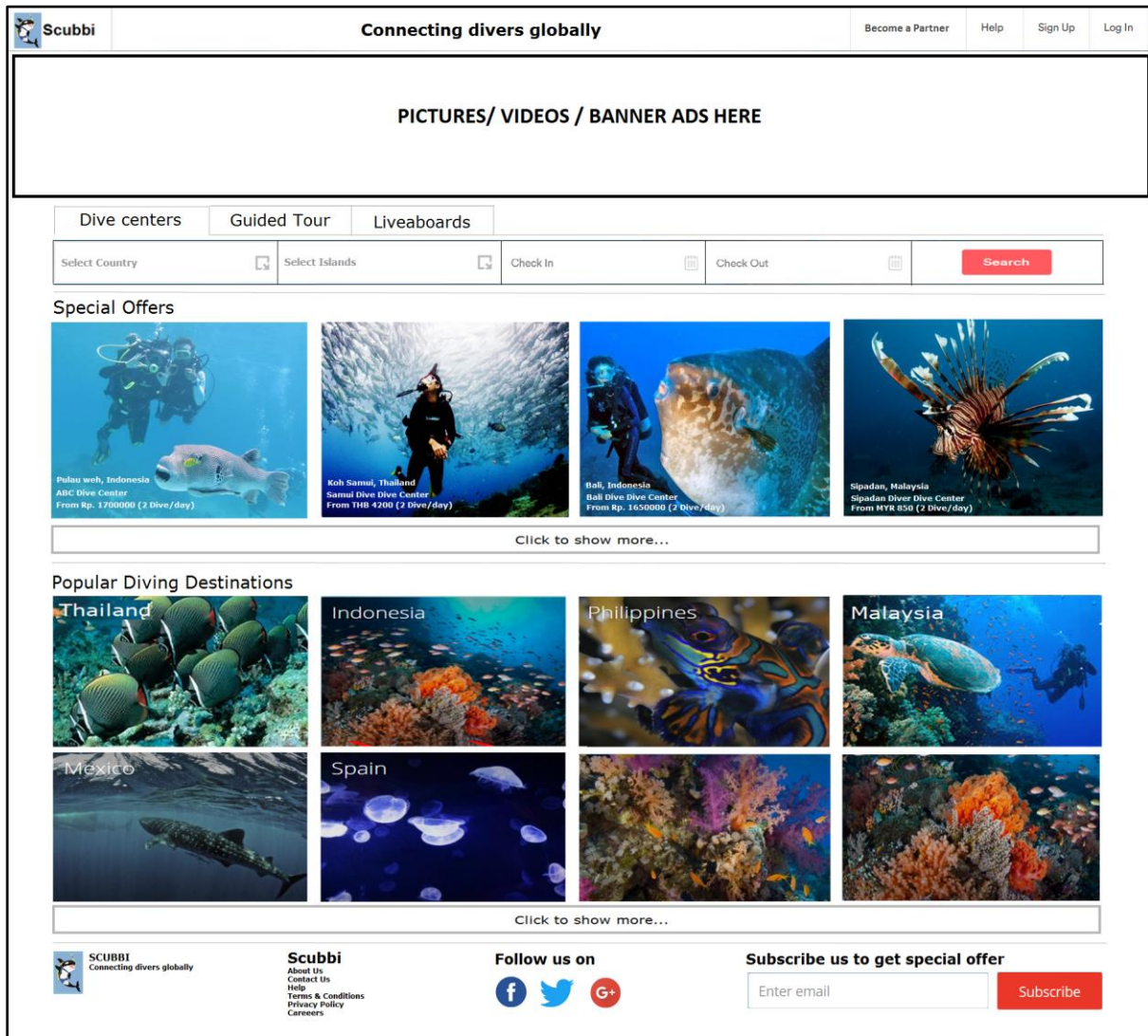
Flowchart9: Contact Dive Center page (In-App Messenger)

34. Customer able to contact Dive Center after login to the website.
35. Customer can proceed to User Profile > My Inbox OR Selected Dive Center Page > Contact Dive Center button to contact the Dive Center.


2 Screen Layout and Function Design

2.1 Home Page

This is the landing page that will show when Customer first accessed to SCUBBI website via browsers (Internet Explorer, Google Chrome, and Firefox).



Screenshot 1: Home Page > Dive Center Tab


Connecting divers globally
Become a Partner
Help
Sign Up
Log In

PICTURES/ VIDEOS / BANNER ADS HERE

Dive centers

Guided Tour


Liveboards

Your Country


Destination Country

Travel Period


Search




ABC Island
ABC Dive Center
Travel Period : 15 ~ 26 May
Price : MYR 1,800.00




Samui Island
ABC Dive Center
Travel Period : 15 ~ 26 May
Price : MYR 1,250.00




Bali Island
AA Discovery Dive Center
Travel Period : 15 ~ 26 May
Price : MYR 1,600.00




Phuket
KKK Dive Center
Travel Period : 15 ~ 26 May
Price : MYR 1,800.00




ABC Island
ABC Dive Center
Travel Period : 15 ~ 26 May
Price : MYR 1,800.00




Samui Island
ABC Dive Center
Travel Period : 15 ~ 26 May
Price : MYR 1,250.00




Bali Island
AA Discovery Dive Center
Travel Period : 15 ~ 26 May
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KKK Dive Center
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ABC Dive Center
Travel Period : 15 ~ 26 May
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AA Discovery Dive Center
Travel Period : 15 ~ 26 May
Price : MYR 1,600.00






Phuket
KKK Dive Center
Travel Period : 15 ~ 26 May
Price : MYR 1,800.00

[Click to show more...](#)


SCUBBI
Connecting divers globally

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Contact Us
Help
Terms & Conditions
Privacy Policy
Careers

Follow us on




Subscribe us to get special offer

Screenshot 2: Home Page > Guided Tour Tab

2.1.1 Business Rules

S/N	Description
1.	Default to <u>Dive Center Tab</u> with Search criteria bar when home page is load.
2.	Advertisement banner section is configurable where SCUBBI admin able to upload photo/video in the SCUBBI Admin module. The photo/video uploaded will reflect in the banner section without server restart.
3.	<u>Guided Tour Tab</u> Upon clicking on the tab, list down first 12 photo link, sorting by booking period end date, then follow by Dive Center name in ascending order. Upon clicking on the Search button, list down the photo link based on the [Your Country], [Destination Country] and [Travel Period] searching criteria.
4.	<u>Liveboards Tab</u> feature will be delivering in next release.

2.1.2 Detailed Screen Layout Description

a) Landing Page > Dive Centers Tab > Searching Criteria

Scubbi Connecting divers globally

PICTURES/ VIDEOS / BANNER ADS HERE

Dive centers Guided Tour Liveboards

Select Country Select Islands Check In Check Out Search

b) Landing Page > Dive Centers Tab > Searching Criteria > Select Country dropdown box

Select Country Select Islands Check In Check Out Search

Select your country below

Australia	Laos	New Zealand	Taiwan
Cambodia	Malaysia	Philippines	Thailand
China	Maldives	Singapore	Vietnam
Indonesia	Mauritius	South Korea	
Japan	Myanmar	Sri Lanka	

c) Landing Page > Dive Centers Tab > Searching Criteria > Select Islands dropdown box

Thailand Select Islands Check In Check Out Search

Select your islands below

Koh Lipe	Koh Lanta	Koh Phangan	Koh Phi Phi
Koh Samui	Koh Tao Island	Koh Lipe	Koh Lanta
Koh Phangan	Koh Phi Phi	Koh Samui	Koh Tao Island
Koh Lipe	Koh Lanta	Koh Phangan	Koh Phi Phi
Koh Samui	Koh Tao Island	Koh Lipe	Koh Lanta
Koh Phangan	Koh Phi Phi	Koh Samui	Koh Tao Island

d) Landing Page > Dive Centers Tab > Searching Criteria > Check In Calendar

Check In Check Out Search

May 2017

Su	Mo	Tu	We	Th	Fr	Sa
	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			

e) Landing Page > Dive Centers Tab > Searching Criteria > Check Out Calendar










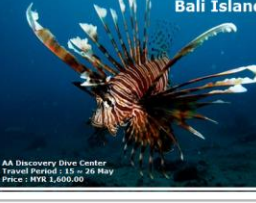
Check In Check Out Search

May 2017

Su	Mo	Tu	We	Th	Fr	Sa
	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			

Field Name	Description	Data Type	Mandatory	Format	Data Source
Home Page > Dive Center Tab > Searching Criteria					
Select Country	This is the dropdown text box allow user to either: a. Click to select Country b. Enter Country name in the textbox	Dropdown textbox	Yes	N/A	Input
Validation	If Select Country field is blank, to prompt error message: " <i>Please fill all the required field(s)</i> ".				
Select Island	This is the dropdown text box allow user to either: a. Click to select Island b. Enter Island name in the textbox Islands listed in the [Select Island] field filter based on the Country selected.	Dropdown textbox	No	N/A	Input
Validation	N/A				
Check In	Allow user to select the date to start the diving event.	Calendar	No	N/A	Input
Validation	Check In date must be equal to or earlier than Check Out date. During Search, if Check In Date is later than Check Out date, to prompt error message: " <i>Check In date cannot be later than Check Out date</i> ".				
Check Out	Allow user to select the date to finish the diving event.	Calendar	No	N/A	Input
Validation	Check Out date must be equal to or later than Check In date. During Search, if Check Out Date is earlier than Check In date, to prompt error message: " <i>Check Out date cannot be earlier than Check In date</i> ".				

f) Landing page > Guided Tour Tab

Dive centers	Guided Tour	Liveboards
<div> <div>Your Country</div> <div>Destination Country</div> <div>Travel Period</div> <div>Search</div> </div>	<div> <div>  <p>ABC Dive Center Travel Period : 15 - 26 May Price : MYR 1,800.00</p> </div> <div>  <p>ABC Dive Center Travel Period : 15 - 26 May Price : MYR 1,250.00</p> </div> <div>  <p>AA Discovery Dive Center Travel Period : 15 - 26 May Price : MYR 1,600.00</p> </div> <div>  <p>KKK Dive Center Travel Period : 15 - 26 May Price : MYR 1,800.00</p> </div> </div>	
<div>  <p>ABC Dive Center Travel Period : 15 - 26 May Price : MYR 1,800.00</p> </div>	<div>  <p>ABC Dive Center Travel Period : 15 - 26 May Price : MYR 1,250.00</p> </div>	<div>  <p>AA Discovery Dive Center Travel Period : 15 - 26 May Price : MYR 1,600.00</p> </div>
<div>  <p>ABC Dive Center Travel Period : 15 - 26 May Price : MYR 1,800.00</p> </div>	<div>  <p>ABC Dive Center Travel Period : 15 - 26 May Price : MYR 1,250.00</p> </div>	<div>  <p>AA Discovery Dive Center Travel Period : 15 - 26 May Price : MYR 1,600.00</p> </div>

Click to show more...

Field Name	Description	Data Type	Mandatory	Format	Data Source
Home Page > Guided Tour Tab > Searching Criteria					
Your Country	This is the dropdown text box allow user to either: a. Click to select Originating Country b. Enter Country name in the textbox	Dropdown textbox	Yes	N/A	Input
Validation	If Originating Country field is blank, to prompt error message: <i>"Please fill all the required field(s)"</i> .				
Destination Country	This is the dropdown text box allow user to either: a. Click to select Destination Country. b. Enter County name in the textbox	Dropdown textbox	No	N/A	Input
Validation	N/A				
Travel Period	Allow user to select the travel month. For example, if this month is January, The drop down list values will be Jan 2017 Feb 2017 March 2017 : : December 2020	Drop down list	No	N/A	Input
Validation	N/A				

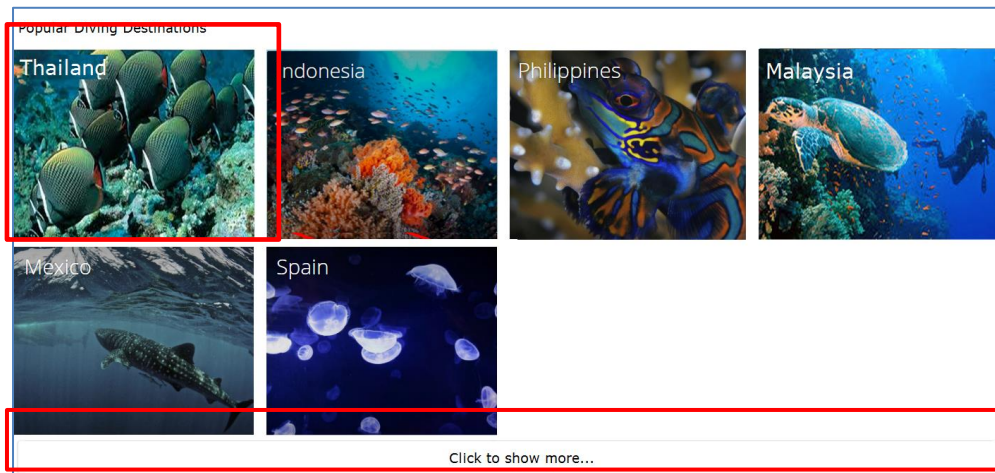
Photo	Upon clicking on the photo, point to Selected Dive Center guided Tour Page (open with a new tab)	Photo link	No	N/A	N/A
Validation	N/A				
Business Logic	Dive center able to upload the photos in the Dive Center Admin module. Once uploaded, the photo will show in the category selected. In this scenario, the category refers to [Guided Tour].				
Click to show more	Upon clicking the button, list out next batch of photo.	button	N/A	N/A	N/A
Validation	N/A				

g) Landing page > Special Offers Section



Field Name	Description	Data Type	Mandatory	Format	Data Source
Special Offers					
Photo	Upon clicking on the photo, point to selected Dive Center page > Package Offer tab.	Link	N/A	N/A	N/A
Validation	N/A				
Business Logic	Dive center able to upload the photos in the Dive Center Admin module. Once uploaded, the photo will show in the category selected. In this scenario, the category refers to [Special Offer].				
Click to show more	Upon clicking the button, list out second row of special offers.	button	N/A	N/A	N/A
Validation	N/A				
Dive Center information	Display information for the dive center (as mentioned in the screen shot above). For example: Pulau weh, Indonesia ABC Dive Center From Rp. 1700000 (2 dive/day)	Display	N/A	N/A	N/A
Validation	N/A				
Business Logic	The information shown in the photo must be configurable where Dive Center Admin module allow to enter the information, e.g.: the amount (e.g.: Rp.1700000) and the product offer (2 dive/day).				

h) Popular diving destinations Section



Field Name	Description	Data Type	Mandatory	Format	Data Source
Special Offers					
Photo	Upon clicking on the photo, point to <u>Search Result Page</u> .	Link	N/A	N/A	N/A
Validation	N/A				
Business Logic	<p>SCUBBI Admin able to upload the photos in the SCUBBI Admin module. Once uploaded, the photo will show in the category selected. In this scenario, the category refers to [Popular Diving Destination].</p> <p>Photo Gallery sorted by Country/Island with scroll buttons to view other pictures. Maximum display of 9 Galleries in initial Display</p>				
Click to show more	Upon clicking the button, list out second row of popular diving destination.	button	N/A	N/A	N/A
Validation	N/A				
Label	Display information for the Photo (as mentioned in the screen shot above).	Display	N/A	N/A	N/A
Validation	N/A				
Business Logic	The label shown in the photo must be configurable where SCUBBI Admin module allows entering the information, e.g.: Thailand, Pulau Tioman etc.				

2.1.3 Business Rules

S/N	Description
1.	In the SCUBBI Admin Module, allow SCUBBI admin to configure whether the photo uploaded should display under Category [Special Offer] or [Popular Diving Destination].

2.2 Search Result Page

Upon clicking **Home page > Dive Center tab > Search** button, this will display search result page. All the Dive centers belong to the selected Country and Island will be display.

2.2.1 Business Rules

S/N	Description
1.	<u>Search Result Page</u> <ul style="list-style-type: none">• Search Counter to display number of Hits.• Google Map to take up the right of the screen. Search results are updated as map is navigated.• Display Results (Gallery Mode) on the left of the screen• Button (Tell me more) – Display a pop up screen that has information on the location searched.

2.3 Selected Dive Center Page (new tab)

2.3.1 Business Rules

S/N	Description
1.	Google Map to retain on the right with icons representing the dive sites and dive centers.
2.	Dive Filter button to remain on either the left or top.
3.	Multiple tab for displayed as followed: <ul style="list-style-type: none">• General Info tab• Leisure Dive tab• Courses & Specialties Tab• Package Offers Tab• Review Tab• Accommodation Tab (Next phase)
4.	Add to Cart button to allow customer to select and add the package into the shopping cart from different Tab (Leisure Dive tab, Courses & Specialties Tab and Package Offers Tab).
5.	In-Web Messenger/Chat (Customer to Dive Center).
6.	Checkout button to allow customer to click and proceed to perform payment.

3 Appendices

Diving app and website feature

User features: buyers and dive centers

Email log in – home page

Social log in –home page

App dashboard –after account log in

Activity feed –package and activity calendar update

Rating sys –both dive center and diver rating on each party

Geolocation –dive center location pinpoint inside google map

Custom user interface –both party

User profile -- both party

Accept payment – dive center

Sync across all device – sync with user device for both party

Shopping cart –package that diver books

Search bar –search by location, date available, dive center name

Calendar integration –link with google calendar for both party

Social sharing –fb, linkin, twitter etc

3rd parties API integration-- pending*

Push notification - location marketing

Menu/ordering – user purchase dive package online

Contact info –both party

Reservation –booking for trip

Event listing –dive center package/event/promotion list

Email and mailing listing –divers

Ad serve – internal SEO on dive platform

Messaging –both party*

Maps – dive center location

Sms integration –payment reminder *

Admin features:

Approval and moderation

Reporting -- Daily, weekly and monthly

Content management system

Payment administration

User administration

Ticketing system-- pending*

Customer loyalty program system

User Profiles Page

User Portfolio (Customer Photo, Dive Card, Address & Email)

Upcoming Dives

Historical Dives

PS: For item with * is considering those feature that still pending.