Sunset Cruises

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I. Introduction

The service our group will be providing is called *Sunset Cruises*. Our product is for people of all ages who need some time away from their busy lives to relax. *Sunset Cruises* will provide cruise trips to destinations on anyone's bucket list, including Bermuda, Nova Scotia, Martha's Vineyard, and many more! Customers will stay in our ships' pristine cabins for trips lasting anywhere from 3 to 8 nights. Customers have the option of singles, doubles, and larger suites. Unlike other cruise lines, our company provides quality getaways at a fraction of the cost.

The primary goal of our project will be to organize data. We will be focusing on the databases for the ships that we offer and their cabin availability. Our company will include a variety of users and stakeholders. Users will simply be the individuals who book cabins with our service. These would mostly be couples or small families looking to go on a quick vacation. The stakeholders will be people who have interests or concerns with our business. They will help to identify anything they think our company can do to be better. In this case, our professors and classmates will be stakeholders of *Sunset Cruises*.
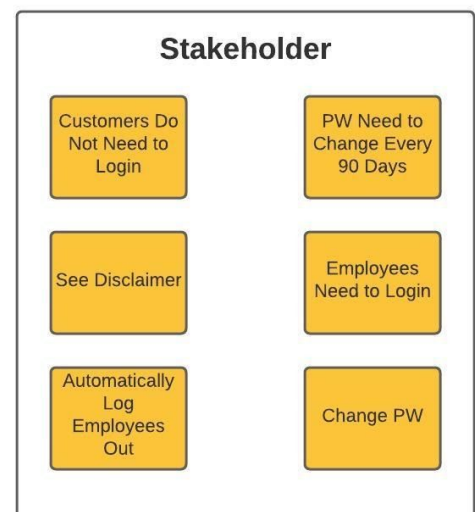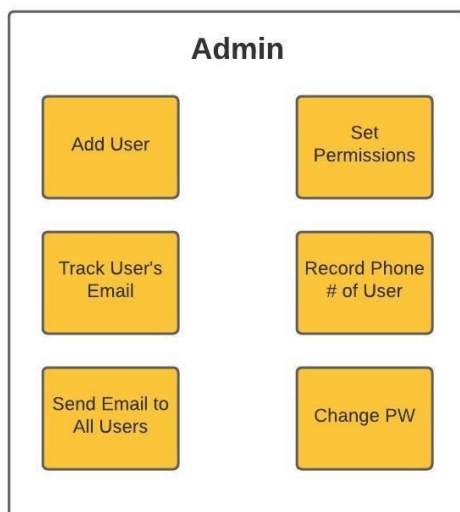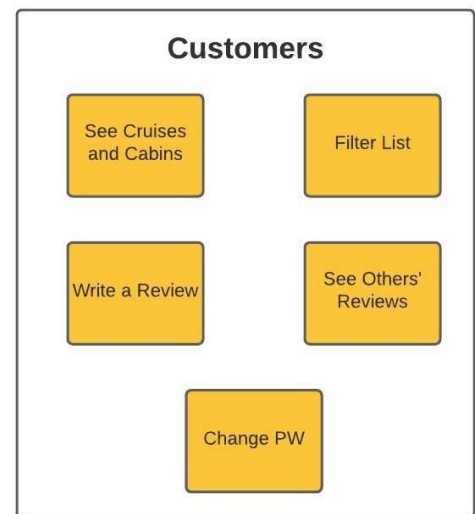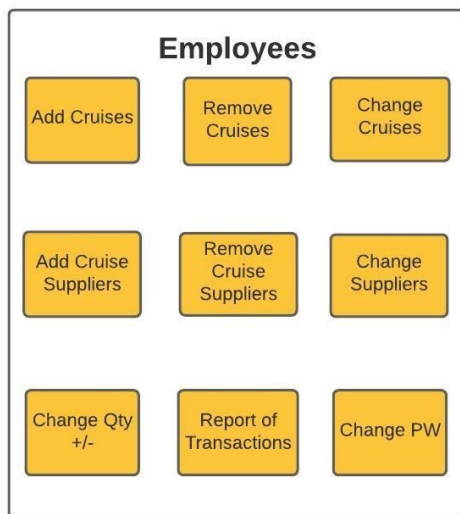
II. Project Development

The Agile Manifesto is a common approach to working and solving problems in software development. There are 12 approaches to working this way. The principals we will be using are Early and Continuous Delivery of Valuable Software, simplicity, working software, and support trust and motivate people involved. We find each of these to be very important and beneficial to create a good workspace. We will also be taking project steps that are key to making good software. We first will brainstorm the requirements needed for our sites. This help can come in conjunction with our stakeholders. With these gathered requirements we will come up with features our website will have. After this, we will begin unit testing, where we ask people about the simplicity of our website, as well as making sure it works.

Agile Manifesto:

Manifesto for Agile Software Development

We are uncovering better ways of developing software by doing it and helping others do it. Through this work we have come to value:

Individuals and interactions over processes and tools
Working software over comprehensive documentation
Customer collaboration over contract negotiation
Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

III. Requirements

There are a couple of requirements our business will need to have. First off is good software. Our company will be using a mix of HTML, PHP, and MySQL. For our web server, we will use ABYSS. MySQL will be used to create the database server. We will write code in PHP that creates HTML pages. Finally, HTTP will be used to request and receive web pages from the server.
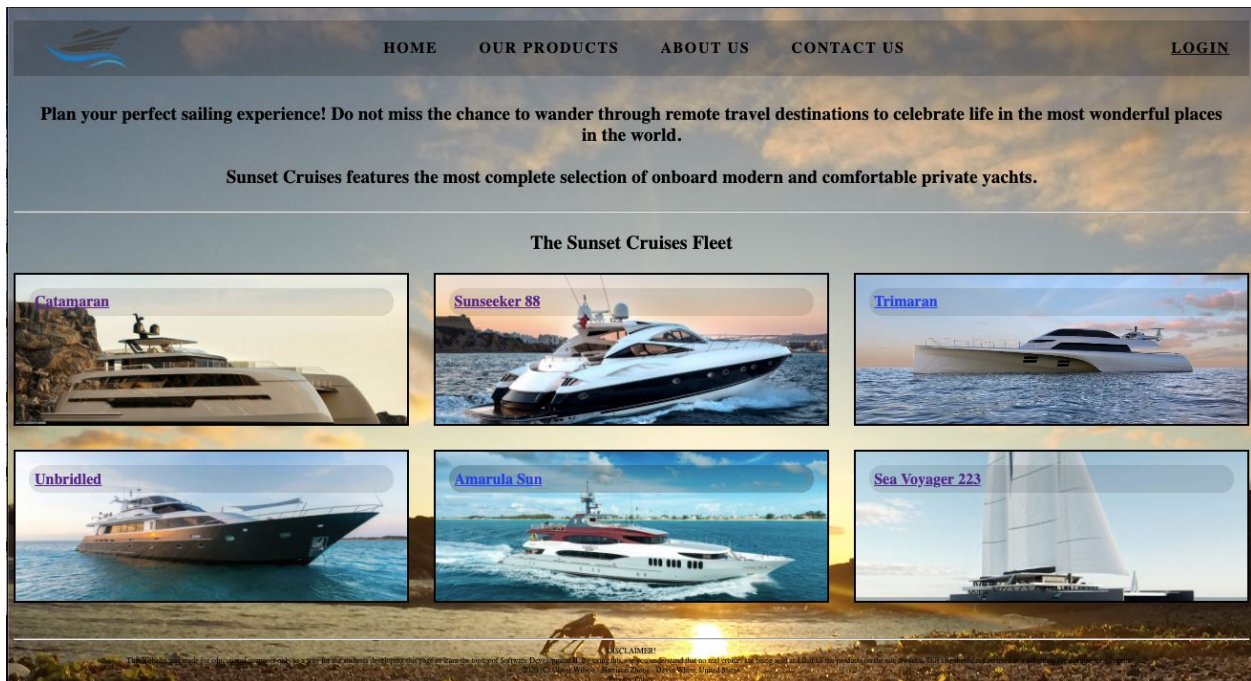
Employees

- Add Cruises
- Remove Cruises
- Change Cruises
- Add Cruise Suppliers
- Remove Cruise Suppliers
- Change Suppliers
- Change Qty +/-
- Report of Transactions
- Change PW

Customers

- See Cruises and Cabins
- Filter List
- Write a Review
- See Others' Reviews
- Change PW

Admin

- Add User
- Set Permissions
- Track User's Email
- Record Phone # of User
- Send Email to All Users
- Change PW

Stakeholder

- Customers Do Not Need to Login
- PW Need to Change Every 90 Days
- See Disclaimer
- Employees Need to Login
- Automatically Log Employees Out
- Change PW

	As a/an,	I want to..	So that..
1	User	See the available cruises	I can choose one.
2	User	Have an easy website layout	I can easily navigate the site
3	User	Be able to filter through options	I can find a cruise easier
4	User	See / Give reviews	I can choose the best cruise option
5	Employee	Be able to add and remove cabin availability	I can keep the cabin inventory system updated
6	Employee	Have a comprehensive website layout	I can navigate and update the system efficiently
7	Admin	Have the ability to add/remove employees	Every employee can have an account
8	Admin	Have an easy login function	They can easily login in and log out
9	Stakeholder	Have the site be encrypted	We have more reliable security.
10	Stakeholder	Have no immediate login for customers	They can navigate the site without needing to make an account
11	Stakeholder	Have a website disclaimer	Protect ourselves against legal requirements
12	Stakeholder	Have employees and users change password every 90 days	The user and employee accounts are secure

Feature List:

Number	Description	Priority	User Story Match
F-01	Employees can add and remove suppliers and products.	H	5
F-02	Employees will be able to modify the current suppliers and products.	H	6
F-03	Users will be able to write reviews about previous cruises or experiences with the business.	L	4
F-04	Display information on available cabins on the webpage.	H	1
F-05	Create a filter function for users to navigate and find products faster.	M	3
F-06	Have a simple login function for employees and admin. Only they can modify suppliers and products.	H	7, 10
F-07	Automatic log out when an employee or admin leaves or closes the site.	M	8
F-08	Write a disclaimer on the site.	M	11
F-09	Employees and Admin must change passwords every 90 days.	H	9
F-10	Notify employees and admin when password needs to be changed	M	9

IV. Design

The image shown below is a preview of what *Sunset Cruises* is planning to use for its homepage. We have hyperlink text to our homepage, products, about us and contact us page, and employee login. Each page will give you a more in-depth look at our company.

The software to be used will be PHP, MySQL, HTML, HTTP, and ABYSS. More details are listed in the *Requirements* section.

User Table:

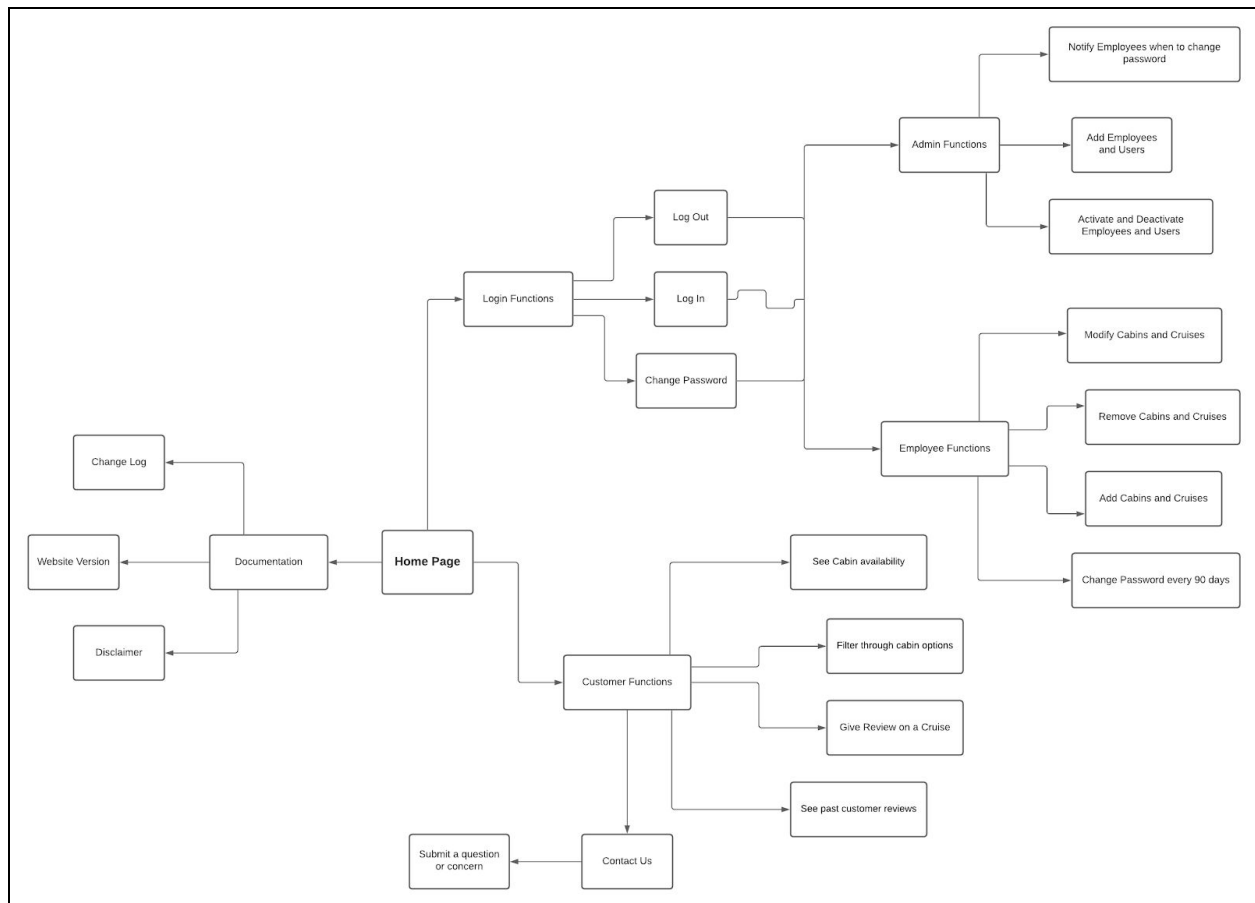| Attribute	Type	Definition
User_id	Int	0912
User_name	Text	atokash
Password	Text	password123
Email	Text	atokash@marist.edu
Phone_number	Text	(123) 456-7890
User_active	Enum("Y", "N")	Y
Creation_date	Date	2020-09-25
Last_updated_password	Date	2020-10-02
Hashtype	Text	none

Cabins (Product) Table:

Attribute	Type	Definition
Cabin_ID	Int	001
Cabin_type	Enum('Single', 'Double', 'Suite')	Suite
Cabin_price	Int	500
Availability	Enum('Available', 'Not Available', 'On Hold')	Product is available
cabin_description	Text	The catamaran suite provides top of the line luxury, including personal deck, minibar, and king sized beds.
Cabin_floor	Enum('1','2','3')	Cabin is on floor 3.
Cruise_supplier	Text (possibly Enum)	Sea Voyager

Cruise (Supplier) Table:

Attribute	Type	Definition
Cruise_ID	Int	101
Cruise_name	Text	Catamaran
Num_of_cabins	Int	10
Cruise_description	Text	The Catamaran Cruise is an exquisite tour around the islands of Bermuda. There are endless activities to do upon reaching the shores.
Cruise_capacity	Int	16
max_speed_knotts	Int	70
Cruise_active	Enum("Y", "N")	Y

Functional Diagram:

See the diagram in LucidChart here.