Requirements

View Points: Docks, Electric, Trailer, Office, Storefront, Land

MAP SCREEN

CUSTOMER LIST  
SEARCH/ IDENTIFY FUNCTION

SAVE/RECALL

START NEW YEAR BASED ON PREVIOUS

DISTRIBUTED INFO ACROSS 2 SYSTEMS

## **BE1** West Shore starts a new summer season

The user starts up the application. They are brought to a ***menu*** where they choose to start a new ***season***.

### Storage Space:

#### S.1.1

The storage spaces are in the same or similar configuration as they were last year. The user selects that they wish to start a new season based upon a previous year from the main menu. They are brought to the map screen- the docks are configured in the same way they were during the last saved season.

The user is then brought to the customer list. The user selects returning storage items on the list by tapping them. Once they are finished selecting returning items, the user presses a button. The user is then brought back to the map screen- all the selected storage items are placed into the same spots they were last year.

#### S.1.2

The storage spaces are in a different configuration this season. The user selects that they don’t wish to base this new season on the previous one. The user is then brought to an empty map screen. They tap on the screen to add storage areas (Docks, fingers, land storage areas) Once they are finished constructing, they press a button to stop.

They are then brought to the customer list and are asked to select returning storage items. They select if they want the storage items to automatically be allocated into the map or if they wish to do it manually.

If the user selects that they wish to allocate storage items manually, they place storage items one by one into the map until all are allocated.

### Office/Storefront:

#### O.1.1

There are customers from previous seasons that have not been billed for West Shore’s storage services. When the user selects a new season- they are notified there are customers that have not had bills made for them yet. They are shown the list of customers. The user can indicated that they are cleared by selecting them or they can hit an “ignore” button. When the user views these customers from the customer list- they will be able to see that the customer has bills from last year that were not made on a storage item/storage items.

### Electric:

N/A

## BE2 A customer wishes to store their boat at the marina

### Storage Space:

#### D.2.1

The customer is new and wishes to store a boat in a land space. The user goes to the map screen and selects a storage area on land (ex. The sheds, the parking lot, the back field, the hill, etc.) The user then enters the customer’s name.

A representation of the boat appears in the storage area on the map screen. A dialogue appears asking if there is a trailer being stored as well. If the user selects yes, they will be asked for a trailer license plate. The user can choose to enter it now or later. A visual representation of a trailer will appear in the same space as the boat if it is stored. If not, only the representation of the boat will appear.

#### D.2.2

The customer is new wishes to store a boat in a slip. The user goes to the map screen. From here, they may either search for an available slip based on search criteria or simply select an available slip.

The user selects any empty slip- the user then enters a customer’s name. A visual representation of a boat is shown in the slip space on the map screen. The user is then asked if there is a trailer to be stored for the boat. If they select yes, they are asked for a license plate. The user can enter this in later if they choose. The user then selects a storage area ON LAND to put the trailer. A visual representation of a trailer is shown afterwards.

### Office/Storefront:

#### O.1.1

The customer is returning. The user goes to the customer list and selects the customer’s name. The user can enter in information for a new boat or select an existing one, then place it in a storage area.

### Electric:

#### E.2.1

A customer wishes to store in a slip with hydro. The user can search for available slips that are near hydro spaces by clicking a search button and indicating they wish to locate spots near hydro boxes.

## BE3 A customer wishes to take their boat from the marina.

### Storage Space:

#### S.3.1

The customer is temporarily taking their boat out of the marina. The user selects their storage item from the marina and hits the remove button. If the customer has a trailer with them then a dialogue appears asking the user if the trailer is to be removed as well. The customer’s information is still kept in the data store.

### Office/Storefront:

#### O.3.1

The customer is leaving the marina. The user goes to the customer list and selects the customer. They press a delete button. A dialogue pops up warning the user that all the information, including any storage items under the customer’s name, will be deleted from the datastore. The user selects yes and the customer’s information is removed. Any items on the map screen that belonged to the customer will be gone as well.

### Electric:

The customer leaving has a hydro hookup. When they are removed, their connection from the hydro box is removed and this is reflected on the map screen.

### Trailer:

## BE4 A customer’s haul out day approaches

### Storage Space:

The user starts up the app. They go to the map screen. The representation of the customer’s storage item that is approaching its haul out date is highlighted in red. When the user clicks on the storage item- they are shown the countdown to the customer’s haulout date. If it is on or past the haul out date, they are also shown this

### Office/Storefront:

The user starts up the app. The user is brought to the main menu. Here they can observe they have a notification. When the user clicks on the notification icon they see a message that the customer’s haul out day is \_\_\_ days away. If it is on or past the haulout date they are also shown this.

### Electric:

## BE5 West Shore’s summer season ends

### Storage Space :

### Office/Storefront:

From the main menu, the user selects they wish to end the season. A list is compiled of customers who have not had bills made for them. This list is shown to the user. All the data from the year is recorded into a data store- (The configuration of storage spaces, the location of storage items, customer information, and connections to hydro boxes.)

### Electric:

## BE6 West Shore wishes to bill customers for outstanding amounts owing on slip fees

### Docks:

### Land:

### Office/Storefront:

The user goes to the customer list. They press a search button and can identify search criteria. After entering that they wish to see customers that have not yet been billed for storage service they hit enter and a list of customers that meet this criteria is compiled and shown to the user. The user can scroll through this list and select individual customers to indicate that they have been billed and should be taken off the list.

### Electric:

### Trailer:

The user goes to the customer list. They can see all current customers for this season in the list. The user selects to see what customers have amounts owing

## BE7 A customer wishes to hook their boat up to a hydro box

The user clicks on a boat. A menu pops up. The user indicates they wish to hook up to a hydro box. All hydroboxes with available connections light up. The user taps on an available hydro box and a connection is shown from the boat to the hydro box. The user is then ask to distinguish whether the hydro is a 15 amp or a 30 amp hookup. Once this is entered, the

The user taps on a hydro box. The hydro boxes connections become visible. If there is a connection available, then graphic indicates this. The user can then select a boat IN A SLIP ON THE SAME DOCK to connect to it.

### Docks:

### Land:

### Office/Storefront:

### Electric:

### Trailer:

## BE8: A customer wishes to remove their hydro hookup.

### Docks:

### Land:

### Office/Storefront:

### Electric:

### Trailer:

## BE10: A boat needs to move from one storage space to another

### Docks:

### Land:

### Office/Storefront:

### Electric:

### Trailer:

## BE11: A trailer needs to move from one storage space to another

### Docks:

### Land:

### Office/Storefront:

### Electric:

### Trailer:

## BE11: West Shore staff wishes to locate a boat

### Docks:

### Land:

### Office/Storefront:

### Electric:

### Trailer:

## BE: West Shore staff wishes to locate a trailer

### Docks:

### Land:

### Office/Storefront:

### Electric:

### Trailer:

## BE West Shore staff wishes to identify a boat

### Docks:

### Land:

### Office/Storefront:

### Electric:

### Trailer:

## BE West Shore staff wishes to identify a trailer

### Docks:

### Land:

### Office/Storefront:

### Electric:

### Trailer:

## BE12: A customer buys a new trailer

### Docks:

### Land:

### Office/Storefront:

### Electric:

### Trailer:

## BE13: A customer sells their trailer

### Docks:

### Land:

### Office/Storefront:

### Electric:

### Trailer:

## BE14: A customer sells their boat

### Docks:

### Land:

### Office/Storefront:

### Electric:

### Trailer: