IS 4460 Group Project

1. Description of the proposed project (briefly since it's already provided in the customer requirements)

Our proposed project will be on FISH R US, which is a fish store all over the United States that sells various fish and fish supplies.

2. Your motivation (Why is this project interesting/valuable to you?)

Our motivation for automating FISH R US is to save as many fish as we can by not being wasteful and setting the example as a responsible e-commerce business. This will be done by keeping an accurate inventory of fish at any given time and by creating weekly reports and trends.

3. Objectives and benefits of the application to the customer

Our objectives of the application to the customer are to allow customers to search and buy products from FISH R US as well as find information on the stores such as location and contact info. The benefits of the application to the user will be access to services and information about FISH R US online.

As a group, discuss at least 3 strategies you will employ to ensure a successful outcome for this project.

1. We will use google drive for collaboration.
2. We will meet once a week.
3. We will use Trello to stay organized.

10 Use Cases and Roles:

1. (admin/employee can) Add customer- kyle
2. (admin/employee can) Add vendor- kyle
3. (admin/employee can) Add store- kyle
4. (admin/employee can) Add fish and supplies in inventory -Jack
5. (admin/employee can) see which store carries which products -Jack
6. (customer can) search product -max
7. (customer can) make orders by putting items in shopping cart, check out, pay -max
   1. Buy product -max
   2. Add product to shopping cart -max
8. (customer can) view store information like location and contact info, and store hours, store details, trending products -max
9. (admin can) identify top selling items - Carlos
10. (admin can) see weekly sales, profit, returns, etc. - Carlos

| **Use Case** | see which store carries which products | |
| --- | --- | --- |
| Objective | Be able to see which stores carry certain products | |
| Business Event | Application iis requested to search for a product | |
| Primary Actor(s) | Employee | |
| Secondary Actor(s) | Database | |
| Pre-condition | User clicks on the “Search Stores” button  User types keywords into search bar | |
| Post-condition | User is displayed with the product as well as the store in which the product is in stock | |
| Failure outcomes | User is shown a message ‘No available results’ if no products match keywords.  User is shown an error message ‘Error in searching for product’. | |
| Flow of Events | Actor | System |
| 1 | User in admin/employee menu | Dropdown list of options |
| 2 | User clicks on “search stores”  Types in keyword | Drop down list gives product and store suggestions. |
| 3 | User presses enter or user presses ‘Search Button’ or user clicks on search suggestion from drop down list. | System searches internet to see which stores have which products available |
| 4 | User clicks add data | System allows user to implement new inventory |

| **Use Case** | Add fish and supplies in inventory | |
| --- | --- | --- |
| Objective | Be able to add fish and supplies to database | |
| Business Event | Fish and supplies are implemented into the database | |
| Primary Actor(s) | Employee | |
| Secondary Actor(s) | Database | |
| Pre-condition | User clicks on the “Add Inventory” button  User clicks on either “fish” or “fish Supplies” buttons  User adds Data | |
| Post-condition | User is then able to see the updated inventory | |
| Failure outcomes | User Is shown “wrong data entry” if the data is implemented incorrectly | |
| Flow of Events | Actor | System |
| 1 | User clicks on menu | Dropdown list of options |
| 2 | User clicks on inventory | Subset of options within the tab “inventory” |
| 3 | User clicks on “Fish and supplies” button | System displays database |
| 4 | User sees the product displayed as well as the store in which its from |  |

| **Use Case** | Search for Product | |
| --- | --- | --- |
| Objective | Search for product on the application | |
| Business Event | Application is requested to search for a product | |
| Primary Actor(s) | Customer | |
| Secondary Actor(s) | Database | |
| Pre-condition | User clicks on the ‘Search for Product’ search bar.  User types keywords into the search bar. | |
| Post-condition | User is displayed products below the search bar. | |
| Failure outcomes | User is shown a message ‘No available results’ if no products match keywords.  User is shown an error message ‘Error in searching for product’. | |
| Flow of Events | Actor | System |
| 1 | User on the home page.  User clicks on the search bar. | Drop down list gives search suggestions. |
| 2 | User types keywords into the search bar. | Drop down list gives search suggestions. |
| 3 | User presses enter or user presses ‘Search Button’ or user clicks on search suggestion from drop down list. | Connect to the database.  Look through the Product table.  Look through the Store table to see which stores carry the product.  Return a list of products and the available stores. |
| 4 | User sees displayed products under the search bar. |  |

| **Use Case** | Buying Product | |
| --- | --- | --- |
| Objective | User is able to buy product(s) on the application | |
| Business Event | User pays for product(s) in the shopping cart | |
| Primary Actor(s) | Customer | |
| Secondary Actor(s) | None | |
| Pre-condition | User is logged in.  User has product(s) in the shopping cart.  User clicks on the ‘Proceed to Checkout’ button. | |
| Post-condition | User is forwarded to the Receipt Thank You Page. | |
| Failure outcomes | User types in erroneous information and is shown an error message. | |
| Flow of Events | Actor | System |
| 1 | User has at least one product in the shopping cart.  User clicks on the ‘Proceed to Checkout’ button. | Mailing address page is shown. |
| 2 | User enters in mailing address details. |  |
| 3 | User submits the form. | Connect to the database.  Insert customer mailing address details into Customer table.  Forward user to the Payment methods page. |
| 4 | User enters payment method details. |  |
| 5 | User submits the form by clicking the ‘Place your Order’ button. | Connect to the database.  Insert order details into the Order and Orderline table.  Forward user to the Receipt Thank You Page. |
| 6 | User sees the Receipt Thank You Page which confirms the order has been placed. |  |

| **Use Case** | Adding Product to Shopping Cart | |
| --- | --- | --- |
| Objective | User can add product to the shopping cart | |
| Business Event | User can add product to the shopping cart | |
| Primary Actor(s) | Customer | |
| Secondary Actor(s) |  | |
| Pre-condition | User is logged in.  User clicks the 'Add to Shopping Cart’ button. | |
| Post-condition | User sees the ‘Product has been added’ message. | |
| Failure outcomes | User is shown an error message ‘Error in adding product to cart’ | |
| Flow of Events | Actor | System |
| 1 | User clicks the ‘Add to Shopping Cart’ button | Product is added to the shopping cart list.  User sees the ‘Product has been added’ message. |

| **Use Case** | View Store Information | |
| --- | --- | --- |
| Objective | User views store information including location, contact info, store hours, store details, and trending products. | |
| Business Event | User views store information including location, contact info, store hours, store details, and trending products. | |
| Primary Actor(s) | Customer | |
| Secondary Actor(s) | None | |
| Pre-condition | User clicks on the ‘Store Finder’ | |
| Post-condition | User is forwarded to Store Information Page | |
| Failure outcomes | User is shown an error message ‘Error in selecting store’ | |
| Flow of Events | Actor | System |
| 1 | User clicks on the ‘Store Finder’. | Map and store locations page is shown. |
| 2 | User selects store location. | Store information page is shown. |

| Use Case | Identify Top Selling Items | |
| --- | --- | --- |
| Objective | View a list of top selling items | |
| Business Event | User can see the top selling fish and accessories | |
| Primary Actor(s) | Admin | |
| Secondary Actor(s) | None | |
| Pre-condition | User is logged in.  User belongs to the ‘Admin’ group.  User clicks the 'Admin’ button.  User clicks an icon for ‘Top Sellers’ | |
| Post-condition | Top Sellers are displayed | |
| Failure outcomes | User is shown an error message ‘Failed To Load Top Sellers’ | |
| Flow of Events | Actor | System |
| 1 | User logins with Admin credentials | Home page is displayed |
| 2 | User clicks Admin button | Admin Home page is displayed |
| 3 | User clicks Top Sellers button | Top Sellers page is displayed |

| Use Case | Weekly Sales, Profit, Returns, Etc. | |
| --- | --- | --- |
| Objective | View Weekly Reports | |
| Business Event | User is able to see the weekly reports for Sales, Profit, Returns, Etc. | |
| Primary Actor(s) | Admin | |
| Secondary Actor(s) | None | |
| Pre-condition | User is logged in.  User belongs to the ‘Admin’ group.  User clicks the 'Admin’ button.  User clicks the ‘Weekly Reports’ button. | |
| Post-condition | Weekly reports are shown | |
| Failure outcomes | User is shown an error message ‘No Weekly Reports Available’ | |
| Flow of Events | Actor | System |
| 1 | User logins with Admin credentials | Home page is displayed |
| 2 | User clicks Admin button | Admin Home page is displayed |
| 3 | User clicks Weekly Reports button | Weekly Reports page is displayed |

| Use Case | Add a new Customer | |
| --- | --- | --- |
| Objective | Add a new customer into the system | |
| Business Event | Adding a new customer into the system | |
| Primary Actor (s) | Admin, Employee | |
| Secondary Actor (s) | None. | |
| Pre-condition | User clicks on the ‘Add Customer’ link in the home page. | |
| Post-condition | User is forwarded to the View Customer List Page. | |
| Failure outcomes | User is shown an error message ‘Error in adding a new customer’. | |
| Flow of Events | Actor | System |
| 1 | User clicks on the add new customer | Add new customer page is shown. |
| 2 | User adds new customer details. |  |
| 3 | User submits the form. | Connect to the database.  Insert customer details into Customer table. |

| Use Case | Add a new Vendor | |
| --- | --- | --- |
| Objective | Add a new vendor into the system | |
| Business Event | Adding a new vendor into the system | |
| Primary Actor (s) | Admin, Employee | |
| Secondary Actor (s) | None. | |
| Pre-condition | User clicks on the ‘Add Customer’ link on page. | |
| Post-condition | User is forwarded to the View Vendors List Page. | |
| Failure outcomes | User is shown an error message ‘Error in adding a new vendor’. | |
| Flow of Events | Actor | System |
| 1 | User clicks on the add new vendor | Add new vendor page is shown. |
| 2 | User adds new vendor details. |  |
| 3 | User submits the form. | Connect to the database.  Insert Vendor details into Vendor table. |

| Use Case | Add a new Store | |
| --- | --- | --- |
| Objective | Add a new store into the system | |
| Business Event | Adding a new store into the system | |
| Primary Actor (s) | Admin, Employee | |
| Secondary Actor (s) | None. | |
| Pre-condition | User clicks on the ‘Add Store’ link in on page. | |
| Post-condition | User is forwarded to the View Stores List Page. | |
| Failure outcomes | User is shown an error message ‘Error in adding a new store’. | |
| Flow of Events | Actor | System |
| 1 | User clicks on the add new store | Add new store page is shown. |
| 2 | User adds new store details. |  |
| 3 | User submits the form. | Connect to the database.  Insert store details into store table. |