Team: Orgnzr

Project Title: Assignment 2

Members:

* Ken O’Hanlon
* Mike Bratby
* Sam Church
* James Pallis

|  |  |
| --- | --- |
| **Meetings date** | **Participants** |
| 09/22/2020 | Ken, Mike, Sam, James |
| 09/24/2020 | Ken, Mike, Sam, James |

|  |  |
| --- | --- |
| **Stakeholders** | **Requirements** |
| Business Owner | FR1: Navigation Bar  FR2: Add Item to inventory  FR3: Update Item/Restock Amount/Value  FR4: Remove item from inventory  FR5: Adjust inventory list for items with amount less than restock value  FR6: Calendar Display – Daily  FR7: Calendar Display – Weekly  FR8: Add Appointment  FR9: Remove Appointment  FR10: Add to waitlist  FR11: Add Contact  FR12: Retrieve Contact  NR1: Privacy – Only phone number and name (fname, last intial)  FR15: Update Contact |
| Clients | FR13: Mobile Alerts  FR14: Appointment booking  NR2: Security – Discrete Calendar Display |
| All | NR3: Performance – responsive, highly accurate, minimum memory usage  NR4: Reliability – High reliability in all functioning requirements  NR5: Availability – available to anyone who has a web browser |

|  |  |  |
| --- | --- | --- |
| **FR1. Navigation Bar** | | |
| Goal: System will allow user to toggle between the contacts, appointments/calendar, and inventory sections of the application | | |
| Stakeholders: Business Owner | | |
| When the owner uses the application, there will be a stationary menu that resides on the top of the page. This menu will have three tabs to click on: Calendar, Inventory Tracker, Contacts. When the user clicks on the calendar tab, she/he will be directed to a web page where the calendar function of the application exists. When the user clicks on the inventory tracker tab of the menu, she/he will be directed to a web page where the inventory tracker function of the application exists. When the user clicks on the contacts tab, she/he will be directed to a web page with a table filled with the business owners contacts. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 2 |

|  |  |  |
| --- | --- | --- |
| **FR2. Add Item to Inventory** | | |
| Goal: A customizable item will be added to the user’s database that will be displayed in a list that is readily viewable to the user. | | |
| Stakeholders: Business Owner | | |
| A clickable button that will reside at the bottom of the inventory tracker table. When clicked, this button will pop up a form with text fields for the user to fill out which will have a field for the inventory item’s name, an item ID number, an item amount of stock value, an item buy price, an item sell price and an item restock value. There will also be two buttons at the bottom of this form, one button will add the item to the inventory list. When clicked, this button will populate the inventory tracker table with the item. The other button on the form will be a discard item button, which will clear out all text fields on the form and will close out of the pop up form. When the item is added to the inventory tracker, the item’s name and amount in stock value will appear to the user. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **FR3. Update Item/Restock Amount/Value** | | |
| Goal: System will allow users to update values for a pre-existing item in the inventory tracker table. | | |
| Stakeholders: Business Owner | | |
| This function will allow users to click on an item in the inventory tracker table. When the item in the table is selected, the user will have a button at the top of the inventory tracker table that when clicked will pop up a form with the values for the selected item’s restock value and the sell price and buy price and amount of that item currently in stock. These values will be held in editable text fields that the user can retype the correct or updated value in. Once the correct value has been inserted into the field(s), a button to update the inventory tracker will push the changes to the inventory tracker table, another button that when clicked will discard any changes. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 2 |

|  |  |  |
| --- | --- | --- |
| **FR4. Remove Item from Inventory** | | |
| Goal: System will allow user to remove items from the inventory tracker table. | | |
| Stakeholders: Business Owner | | |
| When a user is on the inventory tracker page of the application, she/he will have the ability to click on an item in the inventory tracker table and there will be a button at the top of the inventory tracker table that when clicked will remove the item from this inventory tracker table. A secondary prompt will appear that will confirm that the user wants to remove the item from the inventory tracker that will have two buttons. One button on the secondary prompt will be a confirm removal button which will remove the item from the table and the other button will be a cancel removal button which will cancel the request to remove the selected item from the inventory tacker table. All related information and records to the item will also be removed from the database. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **FR5. Adjust inventory list for Items with Amount less Than Restock Value** | | |
| Goal: The system will automatically place items in the inventory tracker table at the top of the table and highlight their background in red when their in-stock quantity drops below the assigned restock value. | | |
| Stakeholders: Business Owner | | |
| When the user updates the stocked quantity for an item in the inventory tracker table, the application will cross-reference the restock value that is inputted by the user for that item. If the updated quantity for the stock of that item is less than or equal to the restock value, then the application will place that item at the top of the inventory tracker list and will highlight its background with light red so that the item stands out to the user. The item name and quantity of in-stock of that item will be displayed to the user. When the in-stock quantity for that item is updated to be greater than the restock value, the item will disappear from this portion of the inventory tracker. If that item is removed from the inventory tracker, then it will also disappear from this portion of the inventory tracker. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 3 |

|  |  |  |
| --- | --- | --- |
| **FR6: Calendar display daily** | | |
| Goal: The system will allow the artist/stylist to view all appointments for a specific day. | | |
| Stakeholders: Business Owner | | |
| After a customer has an appointment added to the schedule, the artist or stylist  need a way to be able to view the appointments that have been assigned to them.  This feature would allow all appointments scheduled on the selected day to be viewed  in chronological order, showing the artist the customers name and simple details  about the appointment. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **FR7. Calendar display weekly** | | |
| Goal: The system will display the entire week and show the amount of appointments currently scheduled. | | |
| Stakeholders: Business Owner | | |
| Like the daily calendar view, but modifying the time frame to show the entire  week. Artist will be able to look ahead at the upcoming week to view the number of  appointments currently scheduled for each day. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **FR8. Add appointment** | | |
| Goal: The system should allow the artist/stylists to add a customer to a specific day and time. | | |
| Stakeholders: Business Owner | | |
| Being able to add customers to the calendar is key to this program's functionality. When a  customer is looking to book an appointment, the business needs to be able to add that customer to a specific day and time slot that is currently unallocated using the calendar functionality. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **FR9. Remove appointment** | | |
| Goal: Clients need to be able to be removed from the schedule as easily as they are added. | | |
| Stakeholders: Business Owner | | |
| Just like how a client will look to book an appointment with a business, some may  also need to cancel an existing appointment. The artists need to be able to remove  and existing appointment from the calendar, which will put that time slot back  into the pool of available times. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **FR10. Add to waitlist** | | |
| Goal: The system will allow a user to add an individual to a waitlist. | | |
| Stakeholders: Business Owner | | |
| When a customer wants to sign up for a time, the business owner will add their name to a waitlist, for their own use. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **FR11. Add contact** | | |
| Goal: The system will allow a user to create a new contact and add to them to a list. | | |
| Stakeholders: Business Owner | | |
| When a business owner would like to create a new contact for a customer they will be able to add their information to a contact list. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **FR12. Retrieve contact** | | |
| Goal: The system will allow a user to retrieve a contact. | | |
| Stakeholders: Business Owner | | |
| When a business owner would like to find a contact's information for a customer they will be able to collect the needed information. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **FR13: Mobile Alerts** | | |
| Goal: The system will send notifications to the clients phone through SMS messaging to alert them of an opening, deals, or reminder of their appointment. | | |
| Stakeholders: Clients | | |
| After a customer has provided the owner with their name and phone number and phone carrier this information will be stored in a data base. Using the email address of the storefront there will be SMS alerts sent to the client for their convenience. Alerts can vary from letting the customer know if they have been let in from a waitlist, if they want appointment reminders, and is a good way for the business to contact their clientele about deals and promotions. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 3 |

|  |  |  |
| --- | --- | --- |
| **FR14. Appointment booking** | | |
| Goal: The system will allow a user to create an appointment. | | |
| Stakeholders: Clients | | |
| When a customer would like to create an appointment with a business owner, this will allow the customer to create such an event. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **FFR15. Update contact** | | |
| Goal: The system will allow a user to update and edit a contact. | | |
| Stakeholders: Business Owner | | |
| When a business owner would like to update or edit a contact this will allow them to do so by navigating to the contacts tab and then clicking the button to edit a contact. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **NR1. Privacy (Phone, name only)** | | |
| Goal: Keeping sensitive data private is a huge concern with technology today. | | |
| Stakeholders: Business Owner | | |
| Customer data security is a huge issue today. By limiting the amount of customer  data needed to book an appointment to just a name and a phone number, we are  eliminating the chance of sensitive information from being obtained by  outside sources. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **NR1. Privacy (Phone, name only)** | | |
| Goal: Keeping sensitive data private is a huge concern with technology today. | | |
| Stakeholders: Business Owner | | |
| Customer data security is a huge issue today. By limiting the amount of customer  data needed to book an appointment to just a name and a phone number, we are  eliminating the chance of sensitive information from being obtained by  outside sources. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/22/2019 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **NR2: Security** | | |
| Goal: Ensure customers information is safe in our database and not being exploited. | | |
| Stakeholders: Clients | | |
| When a customer gives the business their information, such as: phone number, phone carrier, and full name, we want to keep that data secure. In our calendar view it will be important that the customers have their own customer view of the calendars that just show time slots as FULL and not with the clients information showing like it would in a artist view calendar. Keeping personal information only accessible to the business helps with security and also helps so the business is the only entity that can modify those appointments. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/13/2020 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **NR3: Reliability** | | |
| Goal: The system will perform the required functions properly for the user. | | |
| Stakeholders: All | | |
| Reliability is very important in an app that relies on scheduling. Our app must be functional because a CRM is meant to bridge the gap between business and customer relations and if it is unreliable the system could be more hurtful than helpful. Ensuring all appointments are made clearly and not modifiable by anyone but employees is an important part of the reliability of a CRM app. No client ever wants to come to a service to hear they are not able to be helped because the system double booked or never booked a time slot for the customer. Doing this analysis of failure beforehand will prepare us to avoid issues like this before release. | | |
| Origin: During our 9/22/2020 meeting we discussed failure issues and realized in a scheduling app reliability will be of great importance to create a trustworthy business-client relationship. | | |
| Version: 1.0 | Date: 09/22/2020 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **NR4: Performance** | | |
| Goal: The system will perform functions in a timely and space affective fashion | | |
| Stakeholders: All | | |
| All stakeholders will rely on this app to be quick and useful for them. No function should keep a customer waiting or an employee waiting. Working on a CRM we need accuracy and convenience for all users which makes performance very important. The system will accurately book appointments and send notifications to the correct client when necessary. Any failure of performance could damage the business-client relationship. | | |
| Origin: During our 9/22/2020 meeting we discussed failure issues and realized in a scheduling app accuracy, speed, and proper storage will be of great importance to create a trustworthy business-client relationship. | | |
| Version: 1.0 | Date: 09/22/2020 | Priority: 1 |

|  |  |  |
| --- | --- | --- |
| **NR5: Availability** | | |
| Goal: The system will be accessible for all web browsers | | |
| Stakeholders: All | | |
| Accessibility and availability are important features because if nobody can get to our web application then it will not be usable or functional. By making this web browser we can make it accessible to anyone with internet. We will have our CRM available to people on any device capable of Wi-Fi or data connection. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/13/2020 | Priority: 1 |