

Tech-Tonics Inventory and Customer Management System User Manual

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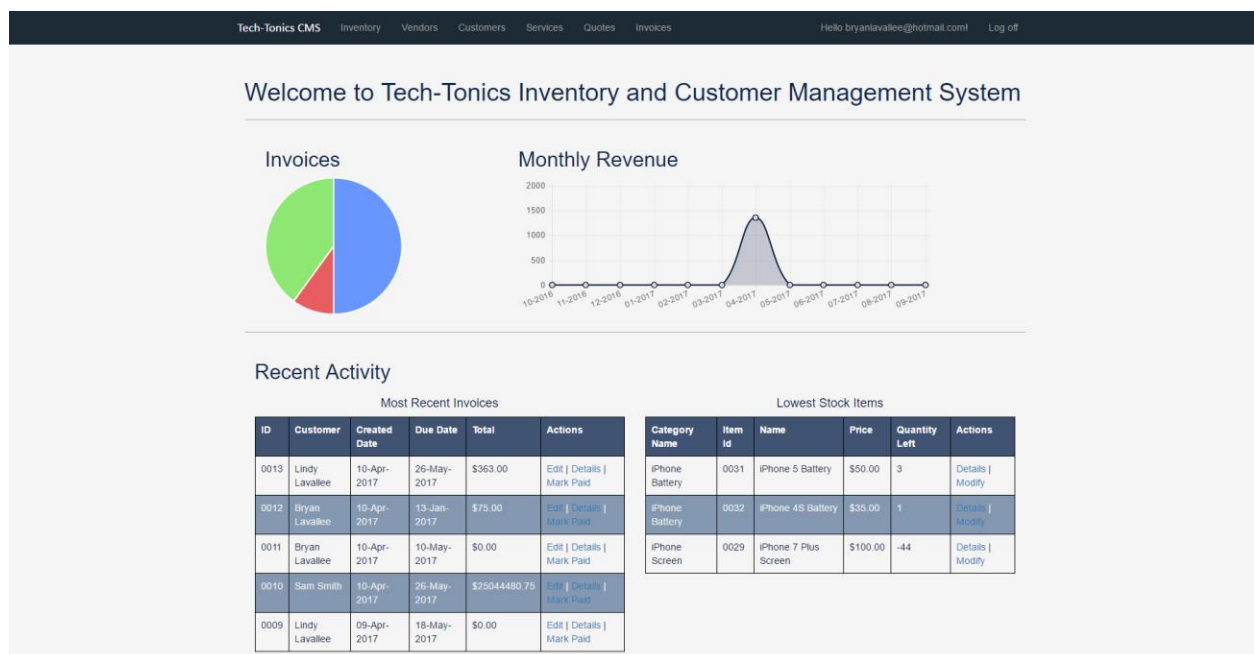
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Starting Out

The first step for using this system, is that you need to log in. This is to ensure that the user will be authenticated and have access to the corresponding parts of the system. To create an account, all the user will need to do is register as a new user and follow the instructions. After the account is created you will have access to the system. If the user selects remember me, the system will automatically log you in every time you access it.

Home Screen/Dashboard

View:



Overview

After the user logs into the system, it will redirect to the home screen/dashboard. On the dashboard, there are multiple tables and charts with relevant information to give the user a quick insight into their earnings and/or inventory. The charts are for invoices and monthly revenue.

The pie chart shows all non-archived invoices, and is colour coded to represent either due invoices(blue), overdue invoices(red) and paid invoices(green). If the user hovers his mouse over a section of the pie chart, it will display how many invoices are relevant to that section.

The line chart shows monthly revenue. The chart automatically updates once an invoice is paid. This allows the user to see how much money they have been making in the current month, and

can compare it to last month. Depending on if the client still wants, after a year we will update it so it shows previous years' information.

The dashboard also consists of two tables which show the five most created invoices, and the items which have the lowest stock (table will show five items if applicable). For invoices, this allows the user to see who has received the latest invoice, and whether he can mark paid. The link will take the user to the corresponding page depending on his selection. For low stock items, it will show the items which quantity remaining is less than 5. This allows the user to see which items he needs to restock and which ones can wait just a little longer.

Customer Subsection

Client Specifications for Customer

- Client requested that address country automatically be set to Canada and address province be set to Ontario in the creation form, and the edition form.
- That customers with the same name can be created. Just show a warning that the user is creating customer which may already exist. *This does not stop him from creating the customer.*
- That the postal code form field also allow zip codes.
- Any invoices that are related to a customer, be displayed in the details page for that customer.

Overview

The customer subsection of the system allows the user to track the customers that have been created and/or issued an invoice to. The customer system breaks down into five main components: creating a customer, editing a customer, searching customers, disabling a customer and enabling a customer. The customer section of the system is reached by selecting customers from the navigation bar.

Index View:

Tech-Tonics CMS Inventory Vendors Customers Services Quotes Invoices Hello bryanlavallee@hotmail.com! Log off					
List of Enabled Customers					
Add New Customer Search Disabled Customers					
First Name	Last Name	Primary Phone	Secondary Phone	Email Address	Actions
Bryan	Lavallee	+1 (705) 982-4567	+1 (705) 123-9532	bryanlavallee@hotmail.com	Edit Details Disable
Fateh	Sandhu	+1 (207) 834-7254	+1 (416) 234-4533	believeit_stillfake@fake.com	Edit Details Disable
Hector	Barbossa	+1 (938) 242-3423		hector@tortuga.ca	Edit Details Disable
Jack	Sparrow	+1 (705) 988-3333		myrumisgone@tortuga.ca	Edit Details Disable
Jack	Sparrow	+1 (705) 988-3333		myrumisgone@tortuga.ca	Edit Details Disable
Jack	Sparrow	+1 (705) 988-3333		myrumisgone@tortuga.ca	Edit Details Disable
Jordan	Smith-Hook	+1 (416) 123-9876		stillfake@fake.com	Edit Details Disable
Lindy	Lavallee	+1 (898) 234-3223		bryanlavallee@hotmail.com	Edit Details Disable
Marko	Polo	+1 (315) 875-3928	+1 (905) 204-2834	patternisfake@fake.com	Edit Details Disable
Sam	Smith	+1 (905) 342-2620		ryanbarrett@outlook.com	Edit Details Disable
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Customer Creation

To create a customer, the user will select the create new link on the index page for customers. This will take the user to a form in which they will need to fill out all necessary information. If all information is valid, the system will create the new customer and redirect the user to a detail page which shows all information about the created customer. Customer makes use of an address object, which on creation of customer, an address object is created and assigned to that customer. This is all done in the background of the system, and the user simply needs to input appropriate information.

Customer Create View:

Tech-Tonics CMS Inventory Vendors Customers Services Quotes Invoices Hello bryanlavallee@hotmail.com! Log off

Add Customer to Database

* Fields are required

Personal Information

* First Name

* Last Name

* Primary Phone Number

Secondary Phone Number

* Email Address

Address Information

* Country

* Province

* Street Number

* Street Name

Unit (if applicable)

* City

* Postal Code

Customer Editing

To edit a customer, the user will select the customer that they wish to edit. They will then be redirected to a view which allows editing, and all previous information will be shown. *Please note, due to client specifications, the country and province drop down menu automatically select Canada and Ontario. Previous country and province information will always change.* After the user is finished editing, they can submit the form, and if information is valid it will be saved to the database. The user will then be redirected to a view with details about that associated customer. At any time, the user can cancel, and no information will be saved to the database.

Customer Edit View:

[Tech-Tonics CMS](#) [Inventory](#) [Vendors](#) [Customers](#) [Services](#) [Quotes](#) [Invoices](#) Hello bryanlavallee@hotmail.com! [Log off](#)

Edit Customer: Bryan Lavallee

* Fields are required.

Personal Information

* First Name	<input type="text" value="Bryan"/>
* Last Name	<input type="text" value="Lavallee"/>
* Primary Phone Number	<input type="text" value="+1 (705) 982-4567"/>
Secondary Phone Number	<input type="text" value="+1 (705) 123-9532"/>
* Email Address	<input type="text" value="bryanlavallee@hotmail.com"/>

Address Information

Please ensure country and province are correct.

* Country	<input type="text" value="Canada"/>
* Province	<input type="text" value="Ontario"/>
* Street Number	<input type="text" value="4216"/>
* Street Name	<input type="text" value="rue Saint-Antoine"/>
Unit (if applicable)	<input type="text" value="0"/>
* City	<input type="text" value="St Hyacinthe"/>
* Postal Code	<input type="text" value="J2S 8R8"/>

Customer Searching

To search for a customer, the user will select the search customer link that is on the index page. This will take them to a form in which they can enter values for the system to search for. The system will search all customers to check if they contain the search values in any customer first name, last name, phone number and/or secondary phone number. If no matches are found, it will tell the user that, and will state for the user to try again. If matches were found, the information for that customer will be displayed in a table format that matches index view. Users can enter multiple search values but they **must be separated by a comma**.

Customer Search View:

Search for Customers

Enter in any first name, last name, phone number, or customer ID.

☐ Include Disabled Customers

Enter value to search for:

Search

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Customer Disabling

To disable a customer, the user will click the link in the index table, and this will take them to a confirmation page. Disabled customers will not appear in searches unless otherwise specified, and invoices cannot be created for disabled customers. If the user selects the disable button, the system will mark that customer disabled, and the database will save these changes. The user will then be sent back to the index page.

Customer Disable View:

Disable Bryan Lavallee?

Must re-enable customer to appear in searches/lists if disabled.

First Name	Bryan
Last Name	Lavallee
Primary Phone	+1 (705) 982-4567
Secondary Phone	+1 (705) 123-9532
Email Address	bryanlavallee@hotmail.com
Address	4216 rue Saint-Antoine St Hyacinthe, ON, J2S 8R8 CA

Disable

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Customer Enabling

To enable a customer, the user will click the link which states “Disabled Customers”, which will take the user to a new index page. This page shows all disabled customers, and gives the option to enable the customer. When the user selects the enable link, it will take the user to a confirmation page where the user can select enable. This will mark the customer not-disabled

and the database will save the changes. Now the customer can be used for creating invoices, and will be returned in search results all the time.

Customer Enable View:

Enable Customer: Pravin Dayananda

Are you sure you want to enable this?

First Name	Pravin
Last Name	Dayananda
Primary Phone	+1 (205) 490-3213
Secondary Phone	+1 (905) 777-2222
Email Address	pravinemail@fake.com
Customer Address	840 53rd Street Rocky Mountain House, Alberta, T0M 1T1 Canada

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Customer Interactions with Invoices

Customers interact with invoices by when a user creates an invoice, the invoice needs a customer. The user will select the customer from a drop-down list and that invoice will be created for that customer. This is seen by going into the customer details page, by clicking the details link on the customer index page. All associated invoices are shown at the bottom in table format. Customers are also used when converting a quote to an invoice.

Customer Details View:

Tech-Tonics CMS Inventory Vendors Customers Services Quotes Invoices Hello bryanlavallee@hotmail.com! [Log off](#)

Details of Customer: Bryan Lavallee

Primary Phone	+1 (705) 982-4567
Secondary Phone	+1 (705) 123-9532
Email Address	bryanlavallee@hotmail.com
Customer Address	4216 rue Saint-Antoine St Hyacinthe, J2S 8R8 ON, CA

Invoices for Bryan Lavallee

Invoice Id	Issue Date	Due Date	Total
7	2017-04-09 7:24:24 PM	2017-05-09 7:24:24 PM	\$20.00
11	2017-04-10 1:24:17 PM	2017-05-10 12:00:00 AM	\$0.00
12	2017-04-10 1:29:41 PM	2017-01-13 12:00:00 AM	\$75.00

[Edit](#) | [Disable](#) | [Back to List](#)

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Inventory Subsection

Client Specifications for Inventory

- No specifications were discussed.

Overview

The inventory subsection of the system allows the user to track the items which he supplies for repairing phones and/or computers. The inventory system breaks down into four main components: creating a new item, editing an existing item, and searching for an item.

Item Index Page:

Inventory

[Category List](#) | [Create New](#)

Search For Item

Category	Id	Model number	Name	Description	Price	Quantity	Reserved Quantity	Vendor	
iPhone Screen	0030	N/A	iPhone 6 Screen	iPhone 6 replacement screens. 4.7 Inches only compatible with the regular size phones.	\$75.00	9	4	N/A	Details Modify
Android Screen	0033	1968A18CS4	Mega-Pixel 2701	awesome screen with brilliant-coloured, rainbow shaped dots	\$0.45	7	0	One Stop Cell Phone Repair Store	Details Modify
iPhone Battery	0031	N/A	iPhone 5 Battery	OEM replacement batteries for iPhone 5.	\$50.00	3	0	N/A	Details Modify
iPhone Battery	0032	N/A	iPhone 4S Battery	OEM replacement batteries for iPhone 4S.	\$35.00	1	0	N/A	Details Modify
iPhone Screen	0029	N/A	iPhone 7 Plus Screen	iPhone replacement screens. 5.5 Inches only compatible with the plus edition.	\$100.00	-44	3	N/A	Details Modify

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Item Creation

To create an item, all the user needs to do is go to the main index page for the inventory subsection, which is done by selecting inventory from the navigation bar. From here, they select create new which will take them to a form in which they need to fill out. All required fields are marked with a red asterisk and if they do not complete one of these fields, the form will not submit. If all information is valid, the form will be sent and the user will be directed to a detail view that shows all the information about the newly created item.

Item Create Page:

Create new inventory item

* Fields are required.

Please fill out all fields to create a new item.

Category

Android Battery

Create new category

Model number (optional)

* Item name

Description (optional)

* Price

0

* On Hand

0

Supplied by Vendor

Cell Phone Repair Outlet

Create new Vendor

Create

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Item Editing

To edit an existing item, from the index page, the user will select the modify link that takes them to a new page. This new page has all the previous information for the selected item, and the user can change values as he/she pleases. *Please note that the user will not be able to update the category, because of how the items are created.* After the user is finished, he will need to click the save changes button which will save the new information to the database. This form also has validation, so if a value is not valid, it will not be sent until the user fixes the issue. At any time in the process before selecting save changes button, the user can cancel and no information will be altered.

Item Edit Page:

Edit Item: iPhone 6 Screen

* Fields are required.

Please update any details your wish and click submit. Don't leave any required fields blank.

Category

iPhone Screen

Model number (optional)

N/A

* Item name

iPhone 6 Screen

Description (optional)

iPhone 6 replacement screens. 4.7 Inch

* Price

75

* On Hand

9

Save

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Item Searching

To search for an item, the user will need to click the link on the index page which is placed above the table on the right side. The link will take them to a search form, which has a field which accepts a value to search for. For items, the system will search all items and check to see if the item contains the search value in the items name, description, model number and item number. If the search is successful, it will load a partial view which contains a table displaying the results. If no information is found, it will display that the request was not successful and that no information was found. Users can enter multiple search values but they **must be separated by a comma**.

Item Search Page:

Inventory Search

Search for an item by entering any part of that item's name, description, item number or model number. For multiple separate by comma.

Search key

screen

Search

Results

[Create New](#)

Category	Id	Model number	Name	Description	Price	Quantity	name	
iPhone Screen	0030	N/A	iPhone 6 Screen	iPhone 6 replacement screens. 4.7 Inches only compatible with the regual size phones.	\$75.00	9		Modify
Android Screen	0033	1968A18CS4	Mega-Pixel 2701	awesome screen with brilliant-coloured, rainbow shaped dots	\$0.45	7	One Stop Cell Phone Repair Store	Modify

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Item Details Page:

Details for item: iPhone 6 Screen

Model number

N/A

Description

iPhone 6 replacement screens. 4.7 Inches only compatible with the regual size phones.

Price

75

Quantity

9

Reserved Quantity

0

Category

iPhone Screen

Supplied By

N/A

[Edit](#) | [Back to List](#)

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Vendor Subsection

Client Specifications for Vendor Subsection

- Items are added to vendor from the item subsection.
- Can be multiple vendors with same name. Address may be different.
- No automatic ordering. Client will order items when he wishes.
- Client requested that address country automatically be set to Canada and address province be set to Ontario in the creation form, and the edition form.
- That the postal code form field also allow zip codes.

Overview

The vendor subsection allows the user to manage their current vendors and can make changes to existing, add new vendors, enable, disable and search vendors. Vendors are created to allow the user to see where he can get an item, and which vendor supplies what items. The vendor subsection does not do automatic ordering for items. The vendor section of the system is reached by selecting vendors from the navigation bar.

Vendor Index Page:

Tech-Tonics CMS Inventory Vendors Customers Services Quotes Invoices Hello bryanlavallee@hotmail.com! Log off					
List of Enabled Vendors					
Create New Search Vendors List of Disabled Vendors					
Name of Vendor	Description	Primary Phone Number	Secondary Phone Number	Email Address	Actions
Cell Phone Repair Outlet	All the parts that you require for less!	+1 (265) 435-8176		cellphoneoutlet@gmail.com	Edit Details Disable
Colin Patrick	Hes handsome	+1 (489) 323-2354		handsomeman@momisionely.com	Edit Details Disable
Computer Parts LTD	We sell new and used computer parts	+1 (705) 054-9102		computerpartsltd@hotmail.com	Edit Details Disable
One Stop Cell Phone Repair Store	One Stop and You're Ready to Build!	+1 (987) 123-6543		onestopcellstor@yahoo.com	Edit Details Disable
Phone Parts Co	We sell new and used phone parts	+1 (905) 243-8729		phonepartsc@hotmail.com	Edit Details Disable
Spare Parts & Others	We sell all types of spare parts that can turn any junker into a luxury!	+1 (416) 653-2367		spareparts_andOthers@gmail.com	Edit Details Disable
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Vendor Creation

To create a vendor, the user must select the create new link on the vendor index page. This will send the user to a form where they must enter valid information. After they enter in the information for the vendor which they want to create, they must select the create button. Upon validation, it will send the user to details view about the newly created vendor. *Please note that you do not add items to vendor in this form. You select the vendor that supplies the item from the item subsection.*

Vendor Creation Page:

Tech-Tonics CMS

Inventory

Vendors

Customers

Services

Quotes

Invoices

Hello bryanlavallee@hotmail.com

Log off

Create New Vendor

* Fields are required.

Personal Information

* Name

* Description

* Primary Phone Number

+1

Secondary Phone Number

+1

* Email Address

example@example.com

* Country

Canada

* Province

Ontario

* Street Number

0

* Street Name

Unit (If applicable)

0

* City

* Postal Code

A1A 1A1

Create

Vendor Editing

To edit a vendor, the user must select the edit link from the vendor index page. The link will then send the user to a form with the previous vendor information, and the user can then edit any information. All information is subject to validation, and after the user clicks save changes, if there is an error, the user will be notified. Upon validation, the user will be sent to the vendor details page. *To modify the items for the vendor, that is done by disabling the item from*

the inventory page. This is due to system requirements and the relationship between items and vendors.

Vendor Editing Page:

[Tech-Tonics CMS](#) [Inventory](#) [Vendors](#) [Customers](#) [Services](#) [Quotes](#) [Invoices](#) Hello bryanlavallee@hotmail.com! [Log off](#)

Edit Vendor: Cell Phone Repair Outlet

* Fields are required.

Personal Information

* Name	<input type="text" value="Cell Phone Repair Outlet"/>
* Description	<input type="text" value="All the parts that you require for less!"/>
* Primary Phone Number	<input type="text" value="+1 (265) 435-8176"/>
Secondary Phone Number	<input type="text" value="+1"/>
Email Address	<input type="text" value="cellphoneoutlet@gmail.com"/>

Address Information

Please ensure country and province are correct.

* Country	<input type="text" value="Canada"/>
* Province	<input type="text" value="Ontario"/>
* Street Number	<input type="text" value="876"/>
* Street Name	<input type="text" value="Micheline Street"/>
Unit (if applicable)	<input type="text" value="0"/>
* City	<input type="text" value="Belleville"/>
* Postal Code	<input type="text" value="N1N 1V9"/>

Save Changes

Vendor Disabling

To disable a vendor, it is done by selecting the disable link from the vendor index page. This will redirect the user to a confirmation page that will ask if they are sure. Upon clicking the disable button, the vendor will be disabled. What this means, is that it won't appear on the index page, items can no longer be added to this vendor but it won't affect previous item information.

Vendor Disabling Page:

Disable Vendor: Cell Phone Repair Outlet

Are you sure you want to disable this?

Name	Cell Phone Repair Outlet
Description	All the parts that you require for less!
Primary Phone	+1 (265) 435-8176
Secondary Phone	
Email Address	cellphoneoutlet@gmail.com
Vendor Address	876 Micheline Street Belleville, Ontario, N1N 1V9 Canada

[Disable](#) | [Back to List](#)

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Vendor Enabling:

To enable a vendor, this is done by going to the disabled vendors index page which is accessed by selecting the disabled vendors link on the vendors index page. This will redirect the vendor to the disabled index view, and that is where they can click the enable link. This will take them to a enable confirmation page and upon selecting enable, the vendor will then be available to use.

Vendor Enabling Page:

Enable Vendor: Spare Parts & Others

Are you sure you want to enable this?

Name	Spare Parts & Others
Description	We sell all types of spare parts that can turn any junker into a luxury!
Primary Phone	+1 (416) 653-2367
Secondary Phone	
Email Address	spareparts_andOthers@gmail.com
Vendor Address	2748 Heatherleigh Road Cooksville, Ontario, L5A 1V9 Canada

[Enable](#) | [Back to List](#)

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Vendor Search

To search for vendors, it is done by selecting the search link from the vendor index page. This takes them to a form which allows for input of search terms. The system will then search these terms for any vendor which contains the search term in the vendor's name, phone number and

secondary phone number. To include disabled vendors, the user must select the check box. Upon sending the search request, it will return a table with appropriate matches and if there is no results, it will tell the user and prompt for new search terms.

Vendor Search Page:

Search Vendor Collection

Search by name or phone number. Separate by a comma to search for multiple keywords.

☐ Include Disabled Vendors

Enter search token

cell

Search

Name of Vendor	Description	Primary Phone Number	Secondary Phone Number	Email Address	Status	Actions
Cell Phone Repair Outlet	All the parts that you require for less!	+1 (265) 435-8176		cellphoneoutlet@gmail.com	Active	Details
One Stop Cell Phone Repair Store	One Stop and You're Ready to Build!	+1 (987) 123-6543		onestopcellstor@yahoo.com	Active	Details

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Vendor Details Page:

Details of Vendor: One Stop Cell Phone Repair Store

Name
Description
Primary Phone
Secondary Phone
Email Address
Vendor Address

One Stop Cell Phone Repair Store
One Stop and You're Ready to Build!
+1 (987) 123-6543
No Secondary Phone recorded for this Vendor.
onestopcellstor@yahoo.com
665 Hyde Park Road
London, N6E 1A9
Ontario, Canada

Items Supplied By One Stop Cell Phone Repair Store

Item Name	Item Model Number	Item Description	Item Quantity	Item Category
Mega-Pixel 2701	1968A18CS4	awesome screen with brilliant-coloured, rainbow shaped dots	7	Android Screen

[Edit](#) | [Disable](#) | [Back to List](#)

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Services Subsection

Client Specifications for Services

- Must be allowed to edit them always.
- Disabled services will not be available for use during invoice and/or quote creation.
- Service searching automatically includes disabled services. This is done because the client wished to be able to see previous(disabled) services without needing to specify.

Overview

The service subsection is for the client to update his/her services that he can provide for his customers. The services are used during quote and invoice creation, which will then show to the customer what service they are paying for. To get to the service part of the system, the user must click on the service navigation bar.

Service Index Page:

Tech-Tonics CMS

Inventory

Vendors

Customers

Services

Quotes

Invoices

Hello bryanlavallee@hotmail.com!

Log off

Enabled Services

New Service

Disabled Services | Search Services

Service Name	Hourly Rate	Service Description	
Data Backup	10	Backup data before repairs.	Edit Details Disable
Desktop Labour	18.25	General hourly rate for desktop parts replacement and cleaning.	Edit Details Disable
Laptop Labour	17.25	General hourly rate for laptop parts replacement and cleaning.	Edit Details Disable
Malware Removal (Windows)	22.5	Hourly rate for malware removal on a windows based operating system.	Edit Details Disable
Mobile Labour	15.75	General hourly rate for replacement of mobile parts.	Edit Details Disable

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Service Creation

To create a service, the user will select the create new link on the service index page. This will send the user to a form which will prompt the user to input all information. This page is subject to validation, and if the information provided doesn't pass, it will notify the user to fix the issues. After successful validation, the service will be created and the user will be redirected to a detail view about the service. After the service is created, the service can be used during quote and invoice creation.

Service Creation Page

Create New Service

* Fields are required.

Please complete the form.

*

Service Name

*

Hourly Rate

0

*

Service Description

Create

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Service Editing

To edit a service, the user must select which service they want to edit by clicking the edit link provided on the service index page. This will redirect the user to an edit form with all previous information about the service. The user can that make any changes that he/she pleases, and save the information. Upon successful validation, the service will be edited, and the user will be redirected to the service details page. At any time, if the user wishes to cancel, they can and no information will be saved.

Service Editing Page:

Edit Service: Data Backup

* Fields are required.

Please make your changes and click save.

*

Service Name

Data Backup

*

Hourly Rate

10

*

Service Description

Backup data before repairs.

Check to disable.

☐

Save

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Service Disabling

To disable a service, the user must select the disable link provided for that specific service. This will take them to a confirmation page, and upon confirmation, that service will be disabled. This will make the service not show during invoice and quote creation, and will also not appear on the index page. The service will still appear in search results however.

Service Disable Page:

Disable Service

Are you sure you want to Disable this service?

Service Name	Data Backup
Hourly Rate	10
Service Description	Backup data before repairs.

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Service Enabling

To enable a service, the user must first go to the disabled services index page, which is done by selecting the link which says, “Disabled Services” from the service index page. This will take them to a list of disabled services, and each disabled service has an enable link. The user will select which service they want to re-enable and click the appropriate enable link. This will take them to a confirmation page and upon confirmation, that service will then be re-enabled. This means that the service will once again become available during the invoice and quote creation process.

Service Enable Page:

Enable Service

Are you sure you want to Enable this service?

Service Name	Data Backup
Hourly Rate	10
Service Description	Backup data before repairs.

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Service Searching

To search for a service, the user will click the search service link provided on the service index page. This will take them to a form which accepts search keys. The system will search all services that contain the entered value in the services name or description. Any results will

show in a table format with the appropriate links for the user to select. If no results are found, the system will notify the user, and will prompt for new search keys.

Service Search Page:

Service Search

Enter part of service name or description. Separate by comma for multiple search values.

Search key('s)

labour

Search

[New Service](#)

Service Name	Hourly Rate	Service Description	Disabled Service	
Mobile Labour	15.75	General hourly rate for replacement of mobile parts.	Active	Edit Details Disable
Laptop Labour	17.25	General hourly rate for laptop parts replacement and cleaning.	Active	Edit Details Disable
Desktop Labour	18.25	General hourly rate for desktop parts replacement and cleaning.	Active	Edit Details Disable

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Service Details Page:

Service Details for Data Backup

Service Id: 34

Hourly Rate

10

Service Description

Backup data before repairs.

Disabled Service

Active

[Edit](#) | [Disable](#) | [Back to List](#)

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Quotes Subsection

Client Specifications for Quotes

- No customer information saved for quotes.
- Able to print and email quotes.
- Can pick the expiration date.
- Can edit the customer name.
- Can mark a quote expired before the expiration date.

Overview

Quotes is a crucial part of the system. From being able to create quotes for customers to marking a quote expired, all aspects of the Quote subsystem have been meticulously constructed. Quotes are used to give potential customers an insight into how much the service they require would cost them. For this reason, potential customer information isn't saved to the database. An email is used to send the quote to the potential customer if they give an email. There is no way to check if the email is correct, so it is assumed that the information given is the correct email. To access the quote subsystem, the user will have to select Quotes from the navigation bar.

Quote Index Page:

Tech-Tonics CMS Inventory Vendors Customers Services Quotes Invoices Hello bryanlavallee@hotmail.com Log off					
List of All Quotes					
Create New List of Expired Quotes Search Quotes					
First Name	Last Name	Date Issued	Expiration Date	Total	Actions
Laura	Something	09-Apr-2017	09-May-2017	\$351.50	Edit Details Mark Expired
Bryan	Lavallee	10-Apr-2017	10-May-2017	\$330.00	Edit Details Mark Expired
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Quote Creation

To create a quote, it is a two-step process. Firstly, the user will need to select the create new link on the index page. This will take them to a form that will ask for the user to input the customer information and after successful validation, it will send the user to the second step. The second step is where the user will add item lines or service lines. These lines show the customer what service will be used, approximate hours and approximate cost. The user can enter any amount of lines and these lines will all be saved to that quote. If the user makes a mistake he can delete the appropriate item/service line and it will automatically save. *Note: The*

Quote Creation Page 1:

Quote Creation Page 2:

CONTINUED

Please Update Any Customer Information if Needed. Please don't leave required fields blank.

* Fields are required.

*

First Name

Demo

*

Last Name

Demo

Update Notes

Cut Copy Paste Undo Redo ABC Insert Link Unlink Image Table List Ordered List Outdent Indent Styles Format ? Source

B I S T Bulleted List Numbered List Decrease Increase Quote Unquote

Finalize

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To edit a quote, the user will select an existing quote and click the edit link. All information will automatically load and then the user can make the appropriate changes. All validation and functionality is the same as the second part of quote creation.

Quote Expiration

Quote Expiration Page:

Mark Quote as Expired			Issued: 11-Apr-2017						
Quote For: Demo Demo			Expired: 11-May-2017						
Notes Retaining to this Quote									
Service		Hours Performed		Cost					
Item		Quantity		Cost					
Mega-Pixel 2701		3		\$1.35					
Total for Quote: \$1.35									
<div>Mark Expired</div> <div>Back to List</div>									
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Quote Status Validation

This can be done by going to the list of expired quotes and selecting mark valid. From here, the user will be sent to a confirmation page and upon clicking mark valid, the quote will be changed to valid. The user will then be redirected to the index page. **Only quotes that have not past their expiration date, may be marked valid again.**

Quote Status Validation Page:

Mark as Valid Quote

Quote For: Email Test Phone Test

Issued: 09-Apr-2017
Expired: 14-Apr-2017

Notes Retaining to this Quote

Test

Service	Hours Performed	Cost
Item	Quantity	Cost

Total for Quote: \$0.00

Valid

 | [Back to List](#)

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Quote Search

Searching quotes follows the same suit as the other parts of the system. The search initially does not search disabled quotes, but if the user selects to include disabled quotes, the system will than include them. The results are once again, returned in a table format for clean reading. The system will search all quotes with the given search terms to see if any quote contains the search terms in the quotes first name, last name and quote Id.

Quote Search Page:

Search Quote Collection

Search by name or Quote Id. Separate by a comma to search for multiple keywords.

☒ Include Expired Quotes

Enter search token

Lavallee

Search

First Name	Last Name	Date Issued	Expiration Date	Total	Status	Actions
Bryan	Lavallee	02-Apr-2017	01-Apr-2017	0	Expired	Details Edit Details Mark Valid
Lindy	Lavallee	09-Apr-2017	15-Mar-2017	0	Active	Details Edit Details Mark Expired
Bryan	Lavallee	10-Apr-2017	10-May-2017	0	Active	Details Edit Details Mark Expired
Lindy	Lavallee	10-Apr-2017	10-May-2017	0	Expired	Details Edit Details Mark Valid
Ian	lavallee	10-Apr-2017	10-May-2017	0	Expired	Details Edit Details Mark Valid

[Back to List](#)

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Convert Quote to Invoice

Converting a quote to an invoice is most likely the most important part of this subsystem. A user can select a quote, and then click on the convert to invoice link. This will take the user to a form which asks the user to select the customer or create the customer. This is needed because quotes don't save customer information. If the system doesn't have that customer, the user will select the create new customer link, and upon creation, it will redirect the user back to the conversion page. After the customer is updated, and the user selects the due date, they can press the convert button. This will convert the quote to an invoice, and all information that was on the quote will be transferred over. **No information is lost and the converted quote is then disabled.**

Quote Conversion Page:

Convert Quote for Laura Something

Please select the customer you are converting the quote for. If needed, create customer first.

*

For Customer

Bryan Lavallee

▼

[Create new customer](#)

*

Due Date

2017-05-11

Convert

[Back to List](#)

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Emailing Quote & Printing Quotes

Emailing a quote is very simple. All the user needs to do is go to details page about the associated quote, and then press the email quote. *Note: Emails are not verified, so it is assumed the customer gives a valid email.* After the user presses the button, the user is notified if the email was sent or not. If the user would rather print the quote, all he needs to do is press the print quote button which is next to the email button. This loads a printer-friendly page for printing.

Email Looks Like:**Q U O T E****Summary:****Issued For: Bryan Lavallee**

Quote Number	31
Issued Date	10-Apr-2017

Service	Hours Performed	Cost
Data Backup	3	30

Item	Quantity	Cost
iPhone 6 Screen	9	75

Total	\$330.00
Expiration Date	10-May-2017

Additional Details**Quote Email Test**

If at anytime you have issues or concerns about the above invoice, please don't hesitate to contact me. All my contact information is listed below. Thank you again for your business.

Contact Information

Email: ryan@techtonics.ca
Phone: 289-691-1777
Address: 3141 Williamson Rd.
Cobourg, ON K9A 4J7
Website: www.techtonics.ca

Quote Printer Friendly Page:



QUOTE no. 31

11-Apr-2017

✉ ryan@techtonics.ca

🌐 www.techtonics.ca

🏠 3141 Williamson Rd.
Cobourg, ON K9A 4J7

☎ 289-691-1777

Summary:

Issued For: Bryan Lavallee

Issued: 10-Apr-2017

Expired: 10-May-2017

Customer Information

Customer Email: bryanlavallee@hotmail.com

Customer Phone Number: No Phone Number Given.

Notes Retaining to this Quote

Quote Email Test

Service	Hours Performed	Cost
Data Backup	3	\$30.00

Item	Quantity	Cost
iPhone 6 Screen	4	\$300.00

Total for Quote: \$330.00

Quote Details Page:



QUOTE no. 34

11-Apr-2017

✉ ryan@techtonics.ca

🌐 www.techtonics.ca

🏠 3141 Williamson Rd.
Cobourg, ON K9A 4J7

☎ 289-691-1777

Summary:

Issued For: Demo Demo

Issued: 11-Apr-2017

Expired: 11-May-2017

Customer Information

Customer Email: No Email Given.

Customer Phone Number: No Phone Number Given.

Notes Retaining to this Quote

Item	Quantity	Cost
Mega-Pixel 2701	3	\$1.35

Total for Quote: \$1.35

Thank You!

[Mark Expired](#) | [Edit Details](#) | [Convert to Invoice](#) | [Back to List](#) |

[Print](#)

[Email Quote](#)

Invoice Subsection

Client Specifications for Invoices

- Cannot create an invoice for a customer unless they have a profile.
- Easy ability to email and print invoices.
- Can pick the due date.
- List of paid, expired and due invoices.
- Ability to archive invoices. (Invoices are not displayed unless directly searched.)

Overview

The invoice subsection is similar quotes in both look and how it acts, however it has one fundamental difference. Invoices are not optional and need to be paid. Invoices allows the user to email invoices to customers, keep track of invoices, see what invoices are overdue and creating new ones. *Invoices must be directly associated with a customer, so if that customer does not exist, a customer profile must be created.* To access the invoice subsection, the user must select Invoices on the navigation bar.

Invoice Index Page:

Recent Invoices					
Create New		Search Paid Invoices Overdue Invoices			
ID	Customer	Issued Date	Due Date	Total	
0007	Bryan Lavallee	09-Apr-2017	09-May-2017	\$20.00	Edit Details Mark Paid
0008	Marko Polo	09-Apr-2017	09-May-2017	\$440.00	Edit Details Mark Paid
0009	Lindy Lavallee	09-Apr-2017	18-May-2017	\$0.00	Edit Details Mark Paid
0010	Sam Smith	10-Apr-2017	26-May-2017	\$25044480.75	Edit Details Mark Paid
0011	Bryan Lavallee	10-Apr-2017	10-May-2017	\$0.00	Edit Details Mark Paid
0012	Bryan Lavallee	10-Apr-2017	13-Jan-2017	\$75.00	Edit Details Mark Paid

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Invoice Creation

To create an invoice, the user will select the create new link from the index page. From here, the user will enter in all necessary information for the first step. This is where they will enter what customer is getting an invoice, and the due date. After this, they will be sent to the second step which looks like the quote creation page. From here they will enter in all information before finalizing. That will then take them to a details page about that invoice.

Create new invoice

* Fields are required.

Please select a customer and input any required notes.

*

For Customer

Bryan Lavallee (St Hyacinthe, ON) ▾
[Create New Customer](#)

*

Due Date

2017-05-11

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Styles ▾

Format ▾

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Create

[Back to List](#)

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Finalize Invoice Details

Please select required services and item, then press finalize.

Invoice Currently For: Jack Sparrow

Issued: 11-Apr-2017

Due: 11-May-2017

Add Potential Services Needed

Available Services

Desktop Labour (\$18.25/h)

Hours

0

Add

Service	Hours Performed	Cost	
---------	-----------------	------	--

Add Potential Items Needed

Available Items

iPhone 6 Screen (\$75.00/per)

Quantity

0

Add

Item	Quantity	Cost	
------	----------	------	--

Total: \$0.00

CONTINUED

[illegible]

Invoice Editing


To edit an invoice, the user must select the edit link from the index page. This will load all previous information. However, the user may only edit the services provided or the item used, and the notes. Everything else is set in stone as per the system requirements. After the user is finished, they will press the finalize button and will be redirected to the details view for that invoice. The information will be saved to the database automatically.

Page is the same as invoice creation page 2.

Invoice Paying

Invoice paying is the ability for the user to mark which invoices have been paid. **THIS DOES NOT HAVE THE ABILITY TO TAKE PAYMENTS.** This is purely for documentation and no money is exchanged through our system. The user will select which invoice they want to mark as paid, and then select pay invoice. This will then update that invoice, and move it to the paid invoices index page. It also gets a nice green stamp that says paid.

Pay Invoice Page:



Tech-Tonics

Computers - Smartphones - Technology

Invoice no. 0014

✉ ryan@techtonics.ca

🌐 www.techtonics.ca

🏠 3141 Williamson Rd.
Cobourg, ON K9A 4J7

☎ 289-691-1777

Summary:

Issued For: Jack Sparrow

Issued On 11-04-2017

Due Date 11-05-2017

Additional Details		
Demo		

Service	Hours Performed	Cost
Desktop Labour	4	\$73.00

Item	Quantity	Cost
Mega-Pixel 2701	32	\$14.40

Total due: \$87.40


Thank You!

[Pay Invoice](#) | [Back to List](#)

Overdue Invoices

Overdue invoices are a list for invoices that have not been paid and the date has gone past the invoices expiration date. From here the user will be able to see what invoices need to be paid, and which customers have not paid. To make a invoice not overdue, the user must mark it paid, so the customer will need to pay before. **Once again, this system does not have the ability to accept payments. This is purely a bookkeeping function.** To access the list of overdue invoices, the user must select the overdue invoices link on the invoices index page.

Example of Overdue Invoice:



Tech-Tonics
Computers - Smartphones - Technology

INVOICE no. 12

11-Apr-2017

✉ ryan@techtonics.ca

🌐 www.techtonics.ca

🏠 3141 Williamson Rd.
Cobourg, ON K9A 4J7

☎ 289-691-1777

Summary:

Issued For: Bryan Lavallee

Issued On: 10-Apr-2017
Due Date: 13-Jan-2017

Invoice Overdue

Additional Details

Item	Quantity	Cost
iPhone 6 Screen	1	\$75.00

Total Due: \$75.00

Edit | Mark Paid | Back to List

Print

Email Invoice

Invoice Search

Searching for an invoice works just like all the other searches. The search form takes a search key which searches all invoices to see if they contain the search key in that invoices customer first name, last name, or the invoices id. The result will be table with the appropriate information, or a message which says no information was found.

Invoice Search Page:

Search Invoice Database

Search by customer name or invoice Id. Separate by a comma to search for multiple keywords.

☐ Include Archived Invoices

Enter search token

Bryan

Search

[Create New](#)

Results

ID	Customer	Issued Date	Due Date	Total	Status	
0007	Bryan Lavallee	09-04-2017	09-05-2017	\$20.00	DUE	Edit Mark Paid Details
0011	Bryan Lavallee	10-04-2017	10-05-2017	\$0.00	DUE	Edit Mark Paid Details
0012	Bryan Lavallee	10-04-2017	13-01-2017	\$75.00	DUE	Edit Mark Paid Details

[Back to List](#)

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Invoice Emailing and Printing

This works exactly like quote emailing and printing. For more detail please see that documentation.

Invoice Email:

I N V O I C E

Summary:

Issued For: Lindy Lavallee

Invoice Number	13
Issued Date	10-Apr-2017

Service	Hours Performed	Cost
Mobile Labour	4	63

Item	Quantity	Cost
iPhone 7 Plus Screen	-44	100

Total	\$363.00
Due Date	26-May-2017

Additional Details

Mom made quote.

If at anytime you have issues or concerns about the above invoice, please don't hesitate to contact me. All my contact information is listed below. Thank you again for your business.

Contact Information

Email: ryan@techtonics.ca
Phone: 289-691-1777
Address: 3141 Williamson Rd.
Cobourg, ON K9A 4J7
Website: www.techtonics.ca

Printer Friendly Page:



INVOICE no. 14

11-Apr-2017

✉ ryan@techtonics.ca

🌐 www.techtonics.ca

🏠 3141 Williamson Rd.
Cobourg, ON K9A 4J7

☎ 289-691-1777

Summary:

Issued For: Jack Sparrow

Issued On: 11-Apr-2017

Due Date: 11-May-2017

Additional Details

Demo

Service	Hours Performed	Cost
Desktop Labour	4	\$73.00

Item	Quantity	Cost
Mega-Pixel 2701	32	\$14.40

Total Due: \$87.40

Invoice Archiving

Archiving is unique to invoices, and no other part of the system can do this. Archiving an invoice is non-reversible, and makes the invoice not show up anywhere in the system. This is done so the client/user can make a paid invoice not show up in searches and in the list. This removes clutter, while still having the information saved in the database. To archive an invoice, the user must go to the paid index page, and then click details for that specific invoice. From here, they will click the archive link, and this brings them to a confirmation page. A warning is shown to state that the invoice will not show up, and that it is not reversible.

Invoice Archive Page:

Are you sure you want to archive this?

Archived Invoices will not show up anywhere and this is non-reversible. You will have to search for it directly.



INVOICE no. 13

11-Apr-2017

✉ ryan@techtonics.ca

🌐 www.techtonics.ca

🏠 3141 Williamson Rd.
Cobourg, ON K9A 4J7

☎ 289-691-1777

Summary:

Issued For: Lindy Lavallee

Issued On: 10-Apr-2017

Due Date: 26-May-2017

PAID - 10-04-2017 - Thank You!

Additional Details

Mom made quote.

Service	Hours Performed	Cost
Mobile Labour	4	\$63.00

Item	Quantity	Cost
iPhone 7 Plus Screen	3	\$300.00

Invoice Detail Page:



INVOICE no. 14

11-Apr-2017

✉ ryan@techtonics.ca

🌐 www.techtonics.ca

🏠 3141 Williamson Rd.
Cobourg, ON K9A 4J7

☎ 289-691-1777

Summary:

Issued For: Jack Sparrow

Issued On: 11-Apr-2017

Due Date: 11-May-2017

Additional Details

Demo

Service	Hours Performed	Cost
Desktop Labour	4	\$73.00

Item	Quantity	Cost
Mega-Pixel 2701	32	\$14.40

Total Due: \$87.40

[Edit | Mark Paid | Back to List](#)

[🖨 Print](#)

[✉ Email Invoice](#)