Project Charter



## Business Purpose:

*Kurbside is a service for businesses to offer curbside pickup by offering their existing in-store catalogue online without a large technology background.*

## Project Roles/Responsibilities:

*Project Manager – Liam De Rivers*

*Backend – Seth VanNiekerk*

*Frontend – Mark Moerkerken*

## Features List:

*Businesses can register and post their catalogue onto the platform for customers to purchase items.*

*Businesses can run sales on their items.*

*Business can add branding assets and images of items.*

*Different payment options, on pickup, or through the platform.*

*Business Customers will be able to register for an account and add personal information for order tracking.*

*Business Customers can add items to a cart, select pickup time, cancel an order.*

*Notification service when order is ready for pickup.*

## System Objectives:

*Responsive system with snappy interface.*

*Reduce hassle when attempting to purchase things online in these weird times due to COVID-19.*

*Overall clean and intuitive design.*

## Project Critical Success Factors:

Constant communication between team members is paramount for the success of this project.

The development of core components in a timely manner is essential.

## Preliminary Technical Architecture:

C#.NET while utilizing ASP.NET

HTML, CSS and JavaScript for web functionality and styling.

Microsoft SQL Server for the database portion of the project.

## Event Table (On the following pages):

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| --- | --- | --- | --- | --- | --- | --- |
| Use Case # | Use Case Name | Event | Trigger | Source | Response | Destination |
| UC01 | View Home Page | A User visits the website / someone wants to see the home page | a visitor visits the website/ a user clicks on the home button | Visistor | The home page gets displayed | Visitor |
| UC02 | View Privacy Policy | user wants to see the privacy page | the user visits the privacy page | User | The privacy page gets displayed | User |
| UC03 | Business Register | Visitor clicks “Register as Business” | A visitor wants registers for a business account. | Visitor | The Businesses account is created. | Business |
| UC04 | Member Register | Visitor clicks “Register (as Member)” | A visitor wants to register for a member account | Visitor | The Members account is created. | Member |
| UC05 | Login | Visitor Clicks Login | A visitor wants to login. | Visitor | The user is logged in to the website. | Business / Member |
| UC06 | Logout | Business / Member clicks the logout button. | A Business / Member wants to logout. | Business / Member | The Business / Members active session is terminated. | Visitor |
| UC07 | Change Password | Business / Member clicks the change password button and changes their password. | The Business / Member wants to change their password. | Business / Member | The Business / Members password is changed to the newly entered one. | Business / Member |
| UC08 | Forgot Password | The Visitor to the website has forgotten their password and wishes to reset it. | The Business / Member has forgotten their password and requests a forgot password email. | Visitor | The Business / Member is sent an email with instructions on how to reset their password. | Visitor |
| UC09 | Enable Two Factor Authentication (2FA) | The Business / Member clicks the “Add authenticator button” and sets up two factor authentication. | The Business / Member clicks the “enable 2FA” button. | Business / Member | The Business / Members 2FA method is added to their account and they will now need to login with their password + their 2FA method. | Business / Member |
| UC10 | Disable Two Factor Authentication (2FA) | The Business / Member clicks the “disable 2FA” button and removes two factor authentication from their account. | The Business / Member clicks the “disable 2FA” button. | Business / Member | The Business / Members 2FA method is removed from their account will no longer be required when logging in. | Business / Member |
| UC11 | Add Authenticator | The Business / Member sets up an authenticator app on their phone for use on the website. | When enabling 2FA the Business / Member must add an authenticator with their mobile device. | Business / Member | The Business / Members 2FA method is added to their account and they will now need to login with their password + their 2FA method. | Business / Member |
| UC12 | Reset Authenticator | The Business / Member wants to reset their 2FA method | The Business / Member clicks the “reset authenticator” button. | Business / Member | The Business / Members old 2FA method is reset and the new one is added to their account and they will now need to login with their password + their 2FA method. | Business / Member |
| UC13 | Login Via Recovery Code | When the Business / Member first enabled 2FA they were provided 10 recovery codes in the event they lost their 2FA device. They can use these when provided for their 2FA code. | The Business / Member enters 1/10 recovery codes after entering their password and prompted for their 2FA code. | Business / Member | The Business / Member will be logged in to their account and the recovery code used will no longer be usable. | Business / Member |
| UC14 | Reset Recovery Codes | When the Business / Member either decides to or runs out of recovery codes they can request 10 new codes, making the old ones obsolete. | The Business / Member clicks the “generate recovery codes” button | Business / Member | The Business / Member will have 10 new recovery codes. | Business / Member |
| UC15 | Business Add Item | The Business clicks add item and enters item information. | A business wants to add an item. | Business | The item gets added to the inventory. | Business |
| UC16 | Business Edit Item | The Business clicks the “edit item” button and changes any necessary information. | A business wants to edit an item listing. | Business | The item is edited in the database with the new information | Business |
| UC17 | Business Remove Item | The Business clicks the “remove item” button next to an item in their inventory. | A business wants to remove an item from their inventory. | Business | The item is removed from the businesses inventory. | Business |
| UC18 | Business Create Sale | The Business creates a sale to run for specific items. | A business wants to have a sale. | Business | A sale for the businesses selected items is created. | Business |
| UC19 | Business Edits Sale | The Business would like to edit a sales details | A business wants to edit a sale. | Business | The sale is edited with the entered information. | Business |
| UC20 | Business Ends Sale | The Business would like to end a sale early. | A business wants to end a sale before its end date. | Business | The sale is removed from the store listing. | Business |
| UC21 | Business Generate Invoice List | The Business wants to generate an invoice list | The business clicks the generate invoice list | Business | The invoice list is generated | Business |
| UC22 | Member Navigates To Account Settings Page | The Member wants to see his account settings page. | The Member clicks the account settings page. | Member | The Member account settings page is displayed. | Member |
| UC23 | Member Views Account Preferences | The Member wants to view their account preferences. | The Member clicks on the preferences page. | Member | The Members preferences page is displayed. | Member |
| UC24 | Member Opts In To Promotional Emails | The Member would like to receive promotional emails. | The Member checks the box to receive promotional emails. | Member | The Member will receive promotional emails in the future. | Member |
| UC25 | Member Opts Out Of Promotional Emails | The Member no longer wishes to receive promotional emails. | The Member unchecks the box to receive promotional emails. | Member | The Member will no longer receive promotional emails. | Member |
| UC26 | Member Views List Of Previous Orders | The Business customer wants to get a list of previous orders. | The Business customer press view list of orders button | Business Customer | The Business customer gets a list of orders | Business Customer |
| UC27 | Business Customer Views Order Details | The Business customer wants to see the details of a order | The Business customer press view order button | Business customer | The Business customer gets the details of an order. | Business Customer |
| UC28 | Business Customer Adds to Cart | The Business Customer clicks the add to cart button next to an item. | A Business Customer wants to add an item to the cart | Business Customer | The item gets added to the Business Customer’s cart. | Business Customer |
| UC29 | Business Customer Removes Item From Cart | Business Customer clicks remove from cart. | A Business Customer wants to remove an item from their cart. | Business Customer | the item gets removed from the Business Customer’s cart. | Business Customer |
| UC30 | Business Customer Checkout | Business Customer click the checkout button once their cart is full. | A Business Customer wants to check out the items in their cart. | Business Customer | The Business Customer gets directed to their checkout page. | Business Customer |
| UC31 | Business Customer Adds Payment Method | Business Customer clicks add payment method. | A Business Customer wants to add a payment method to their account. | Business Customer | The Business Customer payment method gets added to their account. | Business Customer |
| UC32 | Business Customer Updates Payment Method | Business Customer clicks the update payment details. | A Business Customer wants to update their payment details. | Business Customer | The Business Customer’s payment details get updated. | Business Customer |
| UC33 | Business Customer Removes Payment Method | Business Customer clicks remove payment method. | A Business Customer wants to remove a payment method from their account. | Business Customer | The Business Customers payment method is removed from their account. | Business Customer |
| UC34 | Business Customer Adds Billing Address | Business Customer clicks the add billing address button. | A Business Customer wants to add a billing address to their account. | Business Customer | If the address entered is valid the address is saved to the Business Customer’s account. | Business Customer |
| UC35 | Business Customer Updates Billing Address | Business Customer clicks the update billing address button. | The Business Customer wants to update a billing address on their account. | Business Customer | If the address entered is valid the address is updated on the Business Customers account. | Business Customer |
| UC36 | Business Customer Removes Billing Address | Business Customer clicks the remove billing address button. | The Business Customer wants to remove a billing address on their account. | Business Customer | The address is removed from the Business Customers account. | Business Customer |
| UC37 | Business Customer Updates Email Address | Business Customer clicks the update email button. | The Business Customer wants to update their email on their account. | Business Customer | If the email address provided is valid it replaces the old one. | Business Customer |
| UC38 | Business Customer Cancels Order | Business Customer clicks the cancel order button. | The Business Customer wants to cancel an order. | Business Customer | The order gets removed when applicable. | Business Customer |
| UC39 | Business Customer Views Notifications | Business Customer clicks the view notifications button. | The Business Customer would like to view their notifications. | Business Customer | The notifications for the Business Customer are retrieved and displayed to the Business Customer. | Business Customer |
| UC40 | System Sends Notification | When a Business Customers order is ready to be picked up, they are sent a notification. | When a Business Customers order is ready to be picked up. | System | The system sends the Business Customer a notification. | Business Customer |

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