KurbSide - Use Case Descriptions – Iteration 1

by Arctic Thread

Liam De Rivers - [lderivers6112@conestogac.on.ca](mailto:lderivers6112@conestogac.on.ca)

Mark Moerkerken - [mmoerkerken7649@conestogac.on.ca](mailto:mmoerkerken7649@conestogac.on.ca)

Seth VanNiekerk - [svanniekerk2981@conestogac.on.ca](mailto:svanniekerk2981@conestogac.on.ca)

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC01 | |
| **Use Case Name** | View Home Page | |
| **Scenario** | The User visiting the KurbSide website will be brought to the home page. | |
| **Triggering Event** | A User wanting to visit the KurbSide website. | |
| **Brief Description** | When somebody first visits the KurbSide website they will be brought to this webpage, from here they can navigate anywhere else. | |
| **Actors** | Business, Member, Visitor | |
| **Related Use Cases** | None | |
| **Stakeholders** | Business, Member, Visitor | |
| **Pre Conditions** | None | |
| **Post Conditions** | 1. The User will be viewing the home page. | |
| **Flow Of Events** | Actor:  1. The user navigates to the KurbSide website. | System:  1.1 System displays the KurbSide homepage to the user. |
| **Exception Conditions** | 1a. Web server is offline. | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC02 | |
| **Use Case Name** | View Privacy Policy | |
| **Scenario** | The User wants to visit the kurbside privacy policy. | |
| **Triggering Event** | The User clicks on the privacy policy link in the navbar. | |
| **Brief Description** | If a User wants to view the privacy policy they click the link at the bottom of any page to view the privacy policy. | |
| **Actors** | Business, Member, Visitor | |
| **Related Use Cases** | None | |
| **Stakeholders** | Business, Member, Visitor | |
| **Pre Conditions** | None | |
| **Post Conditions** | 1. The User will be viewing the privacy policy page. | |
| **Flow Of Events** | Actor: Visitor  1. The User clicks on the privacy policy link. | System:  1.1 The system displays the privacy policy. |
| **Exception Conditions** | 1a. The web server is offline. | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC03 | |
| **Use Case Name** | Register as Business | |
| **Scenario** | A Visitor wants to register their business. | |
| **Triggering Event** | The Visitor clicks the “register as business” button. | |
| **Brief Description** | Allows a Visitor to register their business to the website, allowing them to add their inventory to the website. | |
| **Actors** | Visitor | |
| **Related Use Cases** | Member Register (UC04)  Login (UC5)  Logout (UC06)  Change Password (UC07)  Forgot Password (UC08) | |
| **Stakeholders** | Business, Visitor | |
| **Pre Conditions** | 1. The Visitor must have a valid business to register.  2. The Business can not already be registered. | |
| **Post Conditions** | 1. The Visitors business account will be created.  2. The Visitor will be logged in to their business account. | |
| **Flow Of Events** | Actor:  1. The Visitor clicks the “register as business” button on the home page.  2. The Visitor adds their information and clicks the register button. | System:  1.1 System displays the registration page.  2.1 System confirms the business information. |
| **Exception Conditions** | 2a. Email already in use.  2b. Business Identification Number already in use.  2c. The business can not be validated. | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC04 | |
| **Use Case Name** | Register as Member | |
| **Scenario** | A Visitor wants to register for an account. | |
| **Triggering Event** | The Visitor clicks the “register” button. | |
| **Brief Description** | The Visitor will be able to create an account and be able to purchase things from the KurbSide website. | |
| **Actors** | Visitor | |
| **Related Use Cases** | Business Register (UC03)  Login (UC5)  Logout (UC06)  Change Password (UC07)  Forgot Password (UC08) | |
| **Stakeholders** | Member, Visitor | |
| **Pre Conditions** | 1. The email address entered by the Visitor can not already be in use. | |
| **Post Conditions** | 1. The Visitors account will be created.  2. The Visitor will be logged into their Member account. | |
| **Flow Of Events** | Actor:  1. The Visitor clicks the “register” button.  2. The Visitor enters their registration information and clicks the “register” button. | System:  1.1 System brings up the registration page.  2.1 System adds their account to the database.  2.2 System logs the Member into their account.  2.3 System brings the Member to the home page. |
| **Exception Conditions** | 2a. The email is already in use. | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC05 | |
| **Use Case Name** | Login | |
| **Scenario** | The Business or Member logs into the KurbSide website. | |
| **Triggering Event** | The Business or Member logs into their account. | |
| **Brief Description** | The Business or Member wants to log into their account. Once they have done this they can perform a variety of other actions. | |
| **Actors** | Business, Member | |
| **Related Use Cases** | Business Register (UC03)  Member Register (UC04)  Logout (UC06)  Change Password (UC07)  Forgot Password (UC08)  UC13 (Login Via Recovery Code) | |
| **Stakeholders** | Business, Member | |
| **Pre Conditions** | 1. The Business or Member has an existing account. | |
| **Post Conditions** | 1. The Business or Member are logged in to their account. | |
| **Flow Of Events** | Actor:  1. The Business or Member clicks the login button.  2. The user enters their login credentials. | System:  1.1 System displays the login page.  2.1 System validates the credentials.  2.2 If valid the system creates a login token.  2.3 The Business or Member is brought to the home page. |
| **Exception Conditions** | 2a. The Member enters the wrong credentials.  2b. The Member is locked out of their account. | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC06 | |
| **Use Case Name** | Logout | |
| **Scenario** | The Business or Member wants to log out of their account | |
| **Triggering Event** | The Business or Member clicks the logout button | |
| **Brief Description** | The Business or Member wants to be logged out of their account, upon logging out their session will be destroyed and they will be required to enter their email and password again. | |
| **Actors** | Business, Member | |
| **Related Use Cases** | Business Register (UC03)  Member Register (UC04)  Login (UC05)  Change Password (UC07)  Forgot Password (UC08) | |
| **Stakeholders** | Business, Member | |
| **Pre Conditions** | 1. The Business or Member must be logged into their account. | |
| **Post Conditions** | 1. The session is terminated and the Business or Member is logged out of their account. | |
| **Flow Of Events** | Actor:  1. The Business or Member clicks the “logout” button. | System:  1.1 System logs the Business or Member out of their account, terminating their session. |
| **Exception Conditions** | None | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC07 | |
| **Use Case Name** | Change Password | |
| **Scenario** | The Business or Member wishes to change their password | |
| **Triggering Event** | The Business or Member clicks the “change password” button on their profile. | |
| **Brief Description** | The Business or Member would like to change their password. Once they have verified their old password and new password it will be changed. | |
| **Actors** | Business, Member | |
| **Related Use Cases** | Business Register (UC03)  Member Register (UC04)  Login (UC05)  Logout (UC06)  Forgot password (UC08) | |
| **Stakeholders** | Business, Member | |
| **Pre Conditions** | 1. The Business or Member must be logged in. | |
| **Post Conditions** | 1. The Business or Members password is changed on their account. | |
| **Flow Of Events** | Actor:  1. The Business or Member clicks the “change password” button in their account settings.  2. The user then enters their old password, new password, confirms new password and then presses the “change password button”. | System:  1.1 System brings the Business or Member to the change password page.  2.1 If the password is valid the system changes the Business or Members password to the newly entered one. |
| **Exception Conditions** | 2a. If the Business or Member fails to confirm their old password.  2b. If the Business or Member does not enter their new password correctly twice they have made a typo. | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC08 | |
| **Use Case Name** | Forgot Password | |
| **Scenario** | The Business or Member has forgotten their password and needs to reset it. | |
| **Triggering Event** | The Business or Member clicks the “forgot your password” button on the login page. | |
| **Brief Description** | The Business or Member has forgotten their password and needs to reset it to log in to their account. Upon entering their email address they will receive an email with instructions on how to reset their password. | |
| **Actors** | Business, Member | |
| **Related Use Cases** | Business Register (UC03)  Member Register (UC04)  Login (UC05)  Logout (UC06)  Change password (UC07) | |
| **Stakeholders** | Business, Member | |
| **Pre Conditions** | 1. The Business or Member must have an account.  2. The Business or Member must have access to their email. | |
| **Post Conditions** | 1. The Business or Members password is changed after following the instructions in the email. | |
| **Flow Of Events** | Actor:  1. The Business or Member clicks the “forgot your password” button on the login page.  2. The Business or Member enters their email and clicks “send email”.  3. The Business or Member clicks the link in their external email service.  4. The Business or Member enters their new password, confirms their new password then presses the “change password” button. | System:  1.1 System displays the forgot password page.  2.1 System sends an email with password reset instructions.  3.1 System displays the reset password page.  4.1 System saves the Business or Members password. |
| **Exception Conditions** | 2a. No account associated with the entered email.  2b. The mailing system is down.  4a. The passwords do not match. | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC09 | |
| **Use Case Name** | Enable Two Factor Authentication (2FA) | |
| **Scenario** | The Business or Member would like to enable 2FA on their account. | |
| **Triggering Event** | The Business or Member clicks the “enable 2FA” button on the account settings page. | |
| **Brief Description** | The Business or Member would like to enable 2FA for an extra layer of security when logging into their account. | |
| **Actors** | Business, Member | |
| **Related Use Cases** | Login (UC05)  Disable 2FA (UC10)  Add Authenticator (UC11)  Reset Authenticator (UC12)  Login Via Recovery Code (UC13)  Reset Recovery Codes (UC14) | |
| **Stakeholders** | Business, Member | |
| **Pre Conditions** | 1. The Business or Member must have an account.  2. The Business or Member must have access to a mobile device.  3. The Business or Member does not already have 2FA enabled. | |
| **Post Conditions** | 1. Two factor authentication will be enabled. Logging in will require both the password and mobile device used when setting up the authenticator. | |
| **Flow Of Events** | Actor:  1. The Business or Member clicks the “enable 2FA” button on their account settings page.  2. The Business or Member scans or enters the code into their authenticator app of choice.  3. The Business or Member will then be displayed a code that they must enter in a form on the website. | System:  1.1 System displays a QR code or a written code for use when generating an authenticator.  3.1 If the code entered is valid the 2FA method is added to the Business or Members account. |
| **Exception Conditions** | 3a. The Business or Member enters an invalid or incorrect code and must retry. | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC10 | |
| **Use Case Name** | Disable Two Factor Authentication (2FA) | |
| **Scenario** | The Business or Member would like to disable two factor authentication on their account. | |
| **Triggering Event** | The Business or Member clicks the “disable 2FA” button on their account settings page. | |
| **Brief Description** | The Business or Member would like to disable two factor authentication on their account. | |
| **Actors** | Business, Member | |
| **Related Use Cases** | Login (UC05)  Enable 2FA (UC09)  Add Authenticator (UC11)  Reset Authenticator (UC12)  Login Via Recovery Code (UC13)  Reset Recovery Codes (UC14) | |
| **Stakeholders** | Business, Member | |
| **Pre Conditions** | 1. The Business or Member must have an account.  2. The Business or Member must have 2FA enabled. | |
| **Post Conditions** | 1. The Business or Member will no longer have 2FA on their account. | |
| **Flow Of Events** | Actor:  1. The Business or Member clicks the “disable 2FA” button on their account settings page.  2. The Business or Member confirms they want to remove 2FA from their account. | System:  1.1 System will display a confirmation page to the Business or Member explaining what they are about to do.  2.1 System removes the 2FA from the Business or Members account. |
| **Exception Conditions** | None | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC11 | |
| **Use Case Name** | Add Authenticator | |
| **Scenario** | The Business or Member would like to enable 2FA on their account by adding a mobile authenticator. | |
| **Triggering Event** | The Business or Member clicks the “enable 2FA” button on their account settings page. | |
| **Brief Description** | The Business or Member would like to enable 2FA for an extra layer of security when logging into their account. | |
| **Actors** | Business, Member | |
| **Related Use Cases** | Login (UC05)  Enable 2FA (UC09)  Disable 2FA (UC10)  Reset Authenticator (UC12)  Login Via Recovery Code (UC13)  Reset Recovery Codes (UC14) | |
| **Stakeholders** | Business, Member | |
| **Pre Conditions** | 1. The Business or Member must have an account.  2. The Business or Member must have access to a mobile device.  3. The Business or Member does not already have 2FA enabled. | |
| **Post Conditions** | 1. Two factor authentication will be enabled. Logging in will require both the password and mobile device used when setting up the authenticator. | |
| **Flow Of Events** | Actor:  1. The Business or Member clicks the “enable 2FA” button on their account settings page.  2. The Business or Member scans or enters the code into their authenticator app of choice.  3. The Business or Member will then be displayed a code that they must enter in a form on the website. | System:  1.1 System displays a QR code or a written code for use when generating an authenticator.  3.1 If the code entered is valid the 2FA method is added to the Business or Members account. |
| **Exception Conditions** | 3a. The Business or Member enters an invalid code. | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC12 | |
| **Use Case Name** | Reset Authenticator | |
| **Scenario** | The Business or Member would like to reset their current 2FA authenticator. | |
| **Triggering Event** | The Business or Member clicks the “reset authenticator” button on their account settings page. | |
| **Brief Description** | The Business or Member would like to change their current authenticator. An example of why would be changing mobile devices. | |
| **Actors** | Business, Member | |
| **Related Use Cases** | Login (UC05)  Enable 2FA (UC09)  Disable 2FA (UC10)  Add Authenticator (UC11)  Login Via Recovery Code (UC13)  Reset Recovery Codes (UC14) | |
| **Stakeholders** | Business, Member | |
| **Pre Conditions** | 1. The Business or Member must have an account.  2. The Business or Member must have 2FA enabled.  3. The Business or Member must have access to a mobile device. | |
| **Post Conditions** | 1. Two factor authentication will still be enabled but with the instance of the authenticator app. Logging in will still require both the password and mobile device used when setting up the authenticator. | |
| **Flow Of Events** | Actor:  1. The Business or Member clicks the “reset 2FA” button on their account settings page.  2. The Business or Member confirms they want to reset the 2FA on their account.  3. The Business or Member scans or enters the code into their authenticator app of choice.  4. The Business or Member will then be displayed a code that they must enter in a form on the website. | System:  1.1 System will display a confirmation page to the Business or Member explaining what they are about to do.  2.1 System removes the old instance of 2FA from the Business or Members account.  2.2 System displays a QR code or a written code for use when generating an authenticator.  4.1 If the code entered is valid the 2FA method is added to the Business or Members account. |
| **Exception Conditions** | 4a. The Business or Member enters an invalid code. | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC13 | |
| **Use Case Name** | Login Via Recovery Code | |
| **Scenario** | The Business or Member is trying to login but does not have access to their mobile device. | |
| **Triggering Event** | The Business or Member tried to login with 2FA enabled but does not have access to their mobile device. | |
| **Brief Description** | The Business or Member would like to login to their account with 2FA enabled but does not have access to their mobile authenticator. They can use one of their 10 recovery codes to temporarily bypass the mobile authenticator. | |
| **Actors** | Business, Member | |
| **Related Use Cases** | Login (UC05)  Enable 2FA (UC09)  Disable 2FA (UC10)  Add Authenticator (UC11)  Reset Authenticator (UC12)  Reset Recovery Codes (UC14) | |
| **Stakeholders** | Business, Member | |
| **Pre Conditions** | 1. The Business or Member must have an account.  2. The Business or Member must have 2FA enabled.  3. The Business or Member does not have access to their mobile device. | |
| **Post Conditions** | 1. The Business or Member will be logged in to their account with.  2. The recovery code used will no longer be usable. | |
| **Flow Of Events** | Actor:  1. The Business or Member clicks the login button.  2. The user enters their login credentials.  3. The Business or Member does not have one so they press the “log in with recovery code” button.  4. The Business or Member enters their recovery code. | System:  1.1 System displays the login page.  2.1 System validates the credentials.  2.2 System prompts the user for a 2FA code  3.1 System displays the recovery code page.  4.1 If valid the system  creates a login token.  4.2 The Business or Member is brought to the home page. |
| **Exception Conditions** | 3a. The Business or Member has no recovery codes.  3b. Recovery code is not valid or has already been used. | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC14 | |
| **Use Case Name** | Reset Recovery Codes | |
| **Scenario** | The Business or Member would like to reset their recovery codes. | |
| **Triggering Event** | The Business or Member clicks the “reset recovery codes” button on their account settings page. | |
| **Brief Description** | The Business or Member would like to reset their recovery codes on their account. There are many reasons for why they want/need to do this, for example they could have run out of codes from logging in via recovery code. | |
| **Actors** | Business, Member | |
| **Related Use Cases** | Login (UC05)  Enable 2FA (UC09)  Disable 2FA (UC10)  Add Authenticator (UC11)  Reset Authenticator (UC12)  Login Via Recovery Code (UC13) | |
| **Stakeholders** | Business, Member | |
| **Pre Conditions** | 1. The Business or Member must have an account.  2. The Business or Member must have 2FA enabled. | |
| **Post Conditions** | 1. The Business or Member will have 10 new recovery codes on their account.  2. The old recovery codes on the Business or Members account are now obsolete. | |
| **Flow Of Events** | Actor:  1. The Business or Member clicks the “reset recovery codes” button on their account settings page.  2. The Business or Member confirms they want to reset their recovery codes. | System:  1.1 System displays a confirmation page to the Business or Member explaining what they are about to do.  2.1 System generates 10 new recovery codes.  2.2 System displays a page with the 10 new codes for the Business or Member to save. |
| **Exception Conditions** | None | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | 15 | |
| **Use Case Name** | Business Add Item | |
| **Scenario** | A Business would like to add an item to their inventory. | |
| **Triggering Event** | The Business clicks the “add item to inventory” button. | |
| **Brief Description** | A Business can add items to their inventory for customers to purchase. Clicking the “add item to inventory” button will display a form where they can add item information. | |
| **Actors** | Business | |
| **Related Use Cases** | Business Edit item (UC16)  Business Remove Item (UC17) | |
| **Stakeholders** | Business | |
| **Pre Conditions** | The Business must be logged in. | |
| **Post Conditions** | The item is added to the Businesses inventory. | |
| **Flow Of Events** | Actor:  1. Business clicks the “add item” button.  2. The Business enters the information for the item into the form on the page. | System:  1.1 System displays a page with a form allowing the Business to add a new item.  2.1 System validates the item.  2.2 System saves the item to the database. |
| **Exception Conditions** | None | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | 16 | |
| **Use Case Name** | Business Edit Item | |
| **Scenario** | A Business wants to edit an item in their inventory . | |
| **Triggering Event** | The Business clicks the “edit item” button next to an item in their inventory. | |
| **Brief Description** | A Business can edit an item in their inventory for a variety of reasons. Clicking the “edit item” button will display a form where they can edit the items information. | |
| **Actors** | Business | |
| **Related Use Cases** | Business Add Item (UC15)  Business Remove Item (UC17) | |
| **Stakeholders** | Business | |
| **Pre Conditions** | The Business must be logged in.  The Business must have an item to edit. | |
| **Post Conditions** | The item the Business selected will be updated with the information entered. | |
| **Flow Of Events** | Actor:  1. The Business clicks the “edit item” button next to an item.  2. The Business changes the details of the item and presses save. | System:  1.1 System brings up the edit page with the previous items details for the Business to edit.  2.1 System validates the changes.  2.2 System then changes the details of the item in the database. |
| **Exception Conditions** | None | |

|  |  |  |
| --- | --- | --- |
| **Use Case #** | UC17 | |
| **Use Case Name** | Business Remove Item | |
| **Scenario** | A Business would like to remove an item from their inventory. | |
| **Triggering Event** | The Business clicks the “remove item” button next to an item in their inventory. | |
| **Brief Description** | A Business can remove an item from their inventory for a variety of reasons. Clicking the “remove item” button will display a confirmation page explaining what they are about to do. | |
| **Actors** | Business. | |
| **Related Use Cases** | Business Add Item (UC15)  Business Edit Item (UC16) | |
| **Stakeholders** | Business | |
| **Pre Conditions** | The Business must be logged in.  The Business must have an item to remove. | |
| **Post Conditions** | The Item selected will be removed from the Businesses inventory.  The Item will no longer be available for purchase. | |
| **Flow Of Events** | Actor:  1. The Business clicks the “remove item” button next to an item.  2. The Business confirms they want to remove the item. | System:  1.1 System displays a confirmation page to the Business explaining what they are about to do.  2.1 System removes the item from the Businesses inventory. |
| **Exception Conditions** | None | |