# Technical Requirements Document

## Product Ordering Requirements V0.02

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| BR # | Description |
|  | To be able to take part in the ordering process, the user must be logged in. However, there are many functions that anonymous users can perform. Logging in is enforced only when progressing further without a user profile does not make sense. |
|  | The airCanteen ordering process will have 3 main actors.  Customers will search for food, place food requests and orders  Chefs will post food that is available for sale, cook the food and facilitate pickup/delivery.  airCanteen staff will engaged in maintenance tasks.  This document details mainly, although not limited to, the interaction a Customer would be having with airCanteen. |
|  | As an anonymous/logged in Customer, when the airCanteen url is accessed within a browser, the default landing page will be displayed.  The landing page will allow me to:  Search for a food items  Display many pre-packaged lists of items that fall into various categories (e.g. Thai, Aztec, Russian foods).  Each pre-packaged list of food items will show 4 food items and a more link. Each food item displayed will function like search results.  A menu will allow me to view   * Canteen - Food items I am willing to sell * Orders - Food items I have ordered * Signup/Login |
|  | As an anonymous/logged in Customer, I will be able to search for food that I would like to purchase.  The search will accept text and will search all details of the food and display the most relevant food items. When determining the relevance, aspects such as Popularity, review quality, review count, location proximity, delivery options, cost, negative review, purchase history, search behaviour, wish list will be used. This algorithm is yet to be finalised.  If the Customer has not logged in, an approximate location based on IP address etc will need to be used. If the Customer has logged in, the default location as specified in the user profile will be used.  A change location button must allow changing of the current location.  Results can be sorted by cost, proximity, popularity.  Only active food items must be displayed in the search results.  Results will be displayed in a lazy load and infinite scroll manner.  Search results displayed will contain the following:   * Primary photograph * Title * Price for a potion * Name of Chef * Date created * Summary of the food * Prescribed tags * Popular (heart) image * A menu of icons   The menu of icons will allow me to   * Add to cart * View reviews * Available location * Phone the chef * Email the chef * Share |
|  | As an anonymous/logged in Customer, clicking on the “Change location” button will show a modal dialog with a search box.  It should accept text such as:   * SomeCity * SomeCity, State * Some Street, SomeCity, State * 1/547 Some Street, SomeCity, State   Entering any of the text above should search for locations and display them as a look-a-head dropdown for selection. Once selected, the location will be set for the current Customer session.  If the Customer is logged in, in addition to the above search, the previously used 4 locations must be displayed so that the customer can select. Once selected, the location will be set for the current Customer session. |
|  | As an anonymous/logged in Customer, when I click on a search result, more details about the selected food item needs to be displayed.   * A collection of photographs (where available) as a photo carousel * Title * Price for a potion * Potion size * Name of Chef * Date created * Availability location * Pickup / delivery options * Special conditions (i.e. buy 2 to get 20% off) * Summary of the food * Prescribed tags * Popular (heart) image with the average review score (out of 10) * A menu of icons (Add to cart, Phone the chef, Email the chef, Available location & Share) * Review comments from Customers (max 3 + more) * Other food available from the same Chef (max 5 + more) * Similar foods available from different nearby Chefs (max 3 + more) * What others who have bought this food item have also bought (max 3 + more) |
|  | As an anonymous Customer, when I click on any of the following menu icons, I should be directed towards the signup/login page.   * Signup/Login * Add to my cart * Phone the Chef * Email the Chef |
|  | As an anonymous/logged in Customer, clicking on the more link within Review Comments or on the “View reviews” button will show a modal dialog with the reviews.  Each review will consist of a review score out of 10, comment, name of the commenter and the comment date and time.  Results will be displayed in a lazy load and infinite scroll manner so that I don’t lose my web page context.  A context aware search box will allow me to filter out the reviews. |
|  | As an anonymous/logged in Customer, when I click on the more link in either of the following lists:   * Pre-packaged food item lists * Other food available from the same Chef list * Similar foods available from different nearby Chefs * What others who have bought this food item have also bought   A modal dialog with more food items will be displayed.  Results will be displayed in a lazy load and infinite scroll manner so that I don’t lose my web page context.  A context aware search box will allow me to filter out the reviews.  Clicking on a pre-packaged list food item will have the same behaviour as clicking on a search result.  Only active food items must be displayed in the results. |
|  | As a logged in Customer, clicking on the “Add to cart” icon will add one potion of the selected food item to my shopping cart.  If this is the first food item added to the cart for the current session, then the contents of the shopping cart should be displayed on the side as an unobtrusive popup.  The shopping card popup must display a confirmation of addition message which will disappear within a few seconds.  Clicking again on the “Add to cart” icon must add another potion to the existing cart line item. |
|  | As a logged in Customer, once atleast 1 food item has been added to the shopping cart and the shopping cart popup is visible, then the popup must appear on all visited pages from then on and follow the Customer as they scroll up and down any visited page.  The shopping cart popup must only be displayed when the first food item is added to the cart. The shopping cart must be displayed on the side as an unobtrusive popup.  The shopping cart will display the following:   * Title of the food item * Potions ordered * Total cost per line item * Name and suburb of the Chef * Pickup/delivery method * Taxes (There might be 1 or more taxes that need to be applied in different jurisdictions) * Grand total * Checkout button   Next to each line item would be three buttons that will allow:   * Add an extra potion * Remove a potion * Remove the food item completely   Clicking on the above line item buttons will instantly update the shopping cart and display a confirmation message. The message will disappear within a few seconds. |
|  | As a logged in Customer, clicking on the “Phone the chef” icon will display the Chef’s phone number if available.  The “Phone the chef” button must be visible only for logged in Customers and if the Chef has provided a phone number. The button will not be visible for anonymous Customers. |
|  | As a logged in Customer, clicking on the “Email the chef” icon will display the Chef’s email address.  Since email address is a mandatory field, the “Email the chef” button will always be visible to logged in users. The button will not be visible for anonymous Customers. |
|  | As an anonymous/logged in Customer, clicking on the “Available location” button will show a modal dialog with a Google map type map with an appropriate zoom level to show the surrounding vicinity of where the food is located. |
|  | As a logged in Customer who has added food items to the shopping cart, clicking on the “Checkout button” will display the Payment and collection page.  This page will not display the shopping card popup.  This page will display the following:   * The contents of the shopping cart similar to how the shopping cart popup displays * A form to capture the delivery details if delivery is an option (delivery address, required by date and time) * A form to capture the pickup details if pickup is an option (pickup date and time) * Button to link to the payment service provider of choice to process payment. * Once payment has been processed, control will be passed back to airCanteen to display the payment reference number and confirmation.   An order confirmation and payment receipt will be emailed to the Customer. |
|  | As a logged in Customer, clicking on the Orders button will display my prior orders.  Each order displayed will consist of:   * A list of food items purchased * Name of the Chef and location * Total cost * Date the purchase was made   Results will be displayed in a lazy load and infinite scroll manner so that I don’t lose my web page context.  A context aware search box will allow me to filter out the orders.  Clicking on an order will display the order details. |
|  | As a logged in Customer, when I click on a prior order then the order page will be displayed.  This page will display the following:   * The contents of the order similar to how the shopping cart popup displays * The delivery details if delivery was an option (delivery address, required by date and time) * The pickup details if pickup was an option (pickup date and time) * The payments that have been made including reference numbers   If any of the line items are currently available for sale by the same Chef, then the line item will have an “Add to cart” button. |
|  | As a logged in airCanteen maintenance person, I should be able to routine maintenance tasks.  These have not been defined as yet and for the moment will be out of scope. |
|  | As a logged in Chef, clicking on the Orders button will display orders made by Customers for me to fulfil.  Each order displayed will consist of:   * A list of food items purchased * Name of the Customer and location * Total cost * Date the purchase was made and required fulfilment date * Selected delivery option   Results will be sorted by default on the required fulfilment date, earliest first.  Results will be displayed in a lazy load and infinite scroll manner so that I don’t lose my web page context.  A context aware search box will allow me to filter out the orders.  Clicking on an order will display the order details.  I can also click on a “My orders” icon to view orders placed by me as a Customer rather than a Chef. This will display the orders page as if I was a Customer, showing orders that I have placed for other Chef’s to fulfil. This button will only appear if I am a Chef. |
|  | As a logged in Chef, when I click on a Customer order then the order page will be displayed.  This page will display the following:   * The contents of the order similar to how the shopping cart popup displays * The delivery details if delivery was an option (delivery address, required by date and time) * The pickup details if pickup was an option (pickup date and time) * The payments that have been made including reference numbers * A menu of icons (Order status, Refund)   If any of the line items are currently available for sale by the same Chef, then the line item will have an “Add to cart” button. |
|  | As a logged in Chef, when I click on the Order status and select a status, the status update must take effect immediately.  The available statuses are In progress, Ready for pickup, Delivering, Cancelled. |
|  | As a logged in Chef, when I click on the Refund button I will be prompted with a warning dialog stating “The order ‘order number’ from customer ‘customer name’ will be cancelled and refunded back to the customer. Are you sure?”.  Clicking on a confirm button will set the Order status to refunded and trigger the refund process with the payment service provider (if original payment was taken via credit card). No order data will be physically removed from the database.  Clicking on a cancel button will return to the original calling page. |