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| COMPONENTS: | DESCRIPTION: | FUNCTIONALITIES: | NOTES: |
| Food Cupboard (FCU) | Store of items currently owned by user – categorised in custom or set way (?) e.g. location/type of food… | -View list  -Add foods  -Delete foods  -Search cupboard  -Modify features of foods  -Categorise foods – various e.g. fridge/freezer, type of food…  -Icons (?)  -Manage FCU | -Food attributes: Category of food, name, date bought, expiry date, amount bought (number, unit of measurement, scale bar), amount remaining.  -Add to foods when used e.g. breakfast for cereal  -Colour code for expiry date  -Possible recurring settings for link with SL (weekly, fortnightly, when finished etc. or add by choice) |
| Shopping List (SL) | List of items to purchase at next visit | -Add date of shopping trip to FCA  -View list  -Add items  -Delete items  -Search list  -Modify items  -Categorise list (custom)  -Add priority to items  -Icons (?) | -Item attribute: Amount required, priority, store to buy from.  -Can customise list by store aisle/alphabetical/who for  -Recurring settings in FCU could mean automatic addition to list for certain items.  -Marking R can allow addition of ingredients to next list |
| Recipes (R) | Search and view recipes | -Search recipes by cuisine/ ingredients available/ time / ingredients expiring  -View full recipes  -Mark favourite recipes  -Save recipes  -Match recipes’ ingredients to what is in FCU  -Add custom recipes/meals | -Link with FCU to check what ingredients already owned  -Use FCA to set when recipe will made – trigger reminder near time for SL  -Add ingredients to next SL (choose specific or full) |
| Food Calendar (FCA) | Calendar which stores various dates/reminders for FCU/SL management | -View full calendar  -View expiry dates  -Add reminders  -View reminders  -View R planned dates  -Add shopping trip dates | -Shows foods which will be expiring – visual model (can customise to show which appear from colour code)  -Add reminders for when to show food has transitioned  -Set reminders at times of day/meal times to allow FCU management  -Reminders when foods nearly finished (rather than expired e.g. confectionary)  -Reminders could give option of using FF if something needed not in FCU/next shopping trip not soon |
| Shopping Mode (SM) | Mode for shopping – shopping list, camera and basket | -Enter shopping mode  -Set screen to stay on permanently  -View SL  -View SL by category  -Tick-box/other option to show items collected  -Camera to scan new items not listed – **barcode/visual recognition**  -Add expiry date and amount (manual or using camera)  -View Basket  -‘Finish shopping | -Ticking item moves the item to the basket  -Alerts triggered if high priority items not purchased from the SL (custom set)  -Finish shopping – items in basket added to FCU  -Must be invoked by user – could trigger ‘enter shopping mode’ pop up if shopping trip in FCA |
| Find Food (FF) | Uses location to find closest shops | -Search for local shops  -Search by ingredient needed (?)  -Add shop to known ones  -Add items sold to shops on the map (lesser known ones) | -Idea is to use current location to find closest food source if something is required  -Search by specific food or R ingredient list (would depend on stock/inventory list being added for lesser known shops) |