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Basket

Documentation

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1. IMPLEMENTATION

This brief document describes Basket web application functionality. User need an easy application for shopping list management. Basket application is an easy to use Responsive HTML5 web application.

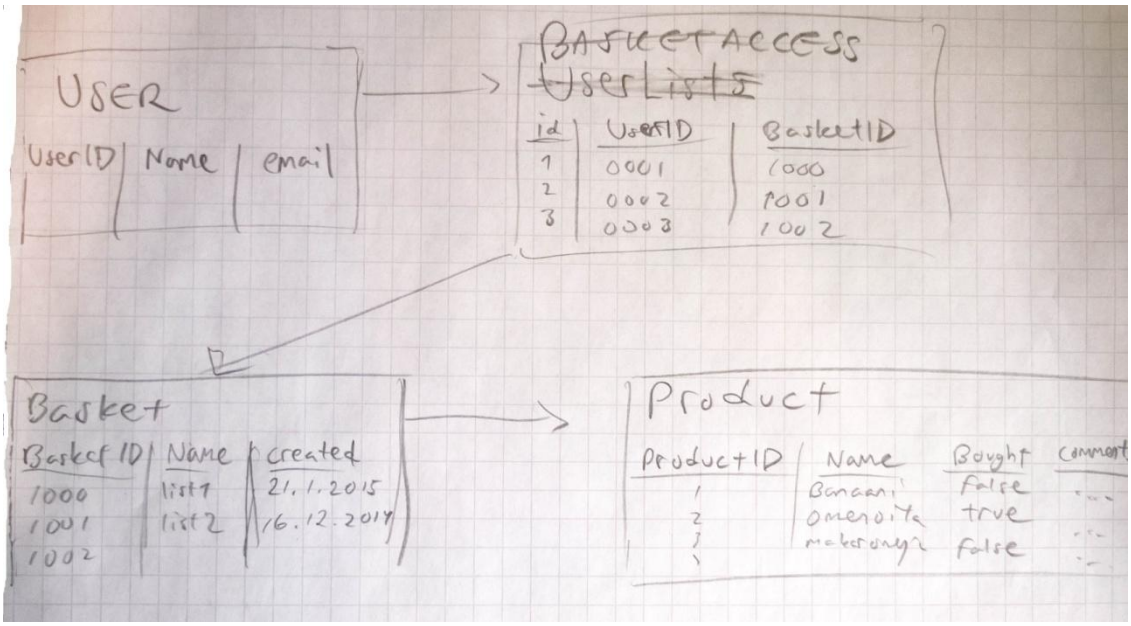
1.1 Relation to other specifications

Implemented based on Idean "Design Exercise For Developer" document.

2. USER INTERFACES

Basket is a simple HTML5 web application which can be used on PC and on mobile. A web application is a software that runs in a web browser. Basket web app should be used in any modern internet browser whether the broser is running in either PC or in tablet or in smart phone. Basket's UI is designed to be responsive so that it scales page content to used device.

Front End UI logic is done with JavaScript/jQuery. For production version there should also be backend implementation with database so that data could be stored to database. Basket is a application implemented using typical Model-view-controller (MVC) software architecture. Data would be transferred as JSON objects.



Picture: Entiry Relationship Diagram of Basket data.

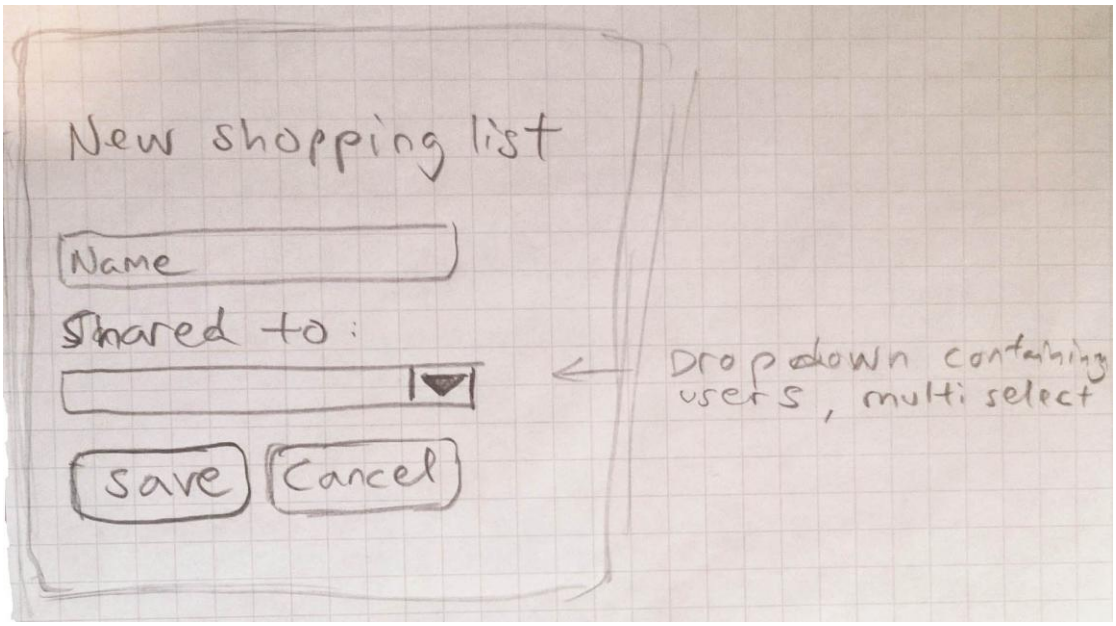
2.1 View 1: "Baskets" Main Screen

Baskets view is s start screen where user can click button to start creating a new shopping list. In my wireframe model below there is archive of previously made shopping lists above Add New Shopping List button. Archive was not required in instructions.

2.2 View 2: New Shopping List

In the "New Shopping List" view user can create a new empty shopping list and share it other users. Share means here that user can select who he/she shares the list with (for example family members). 'Shared To' field is a "multi select" dropdown element.

The administration of users is outside of the scope of this document and exercise.



2.3 View 3: Shopping List Editing

In the Edit view user can add products to previously created (empty) shopping list. User can also modify/update listed products, mark them as "done", add comments and also send shopping list via email.

"Edit" button here basically transforms labels to text fields and offers methods to modify existing Shopping List rows. View comments button should open a view of comments below list item's name.

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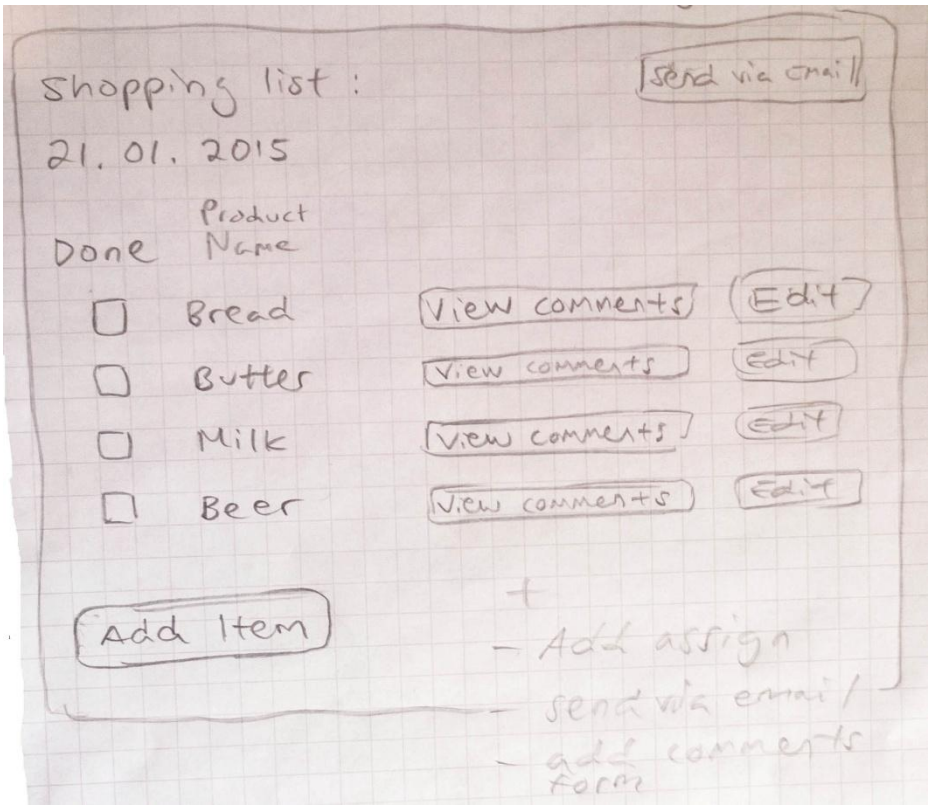
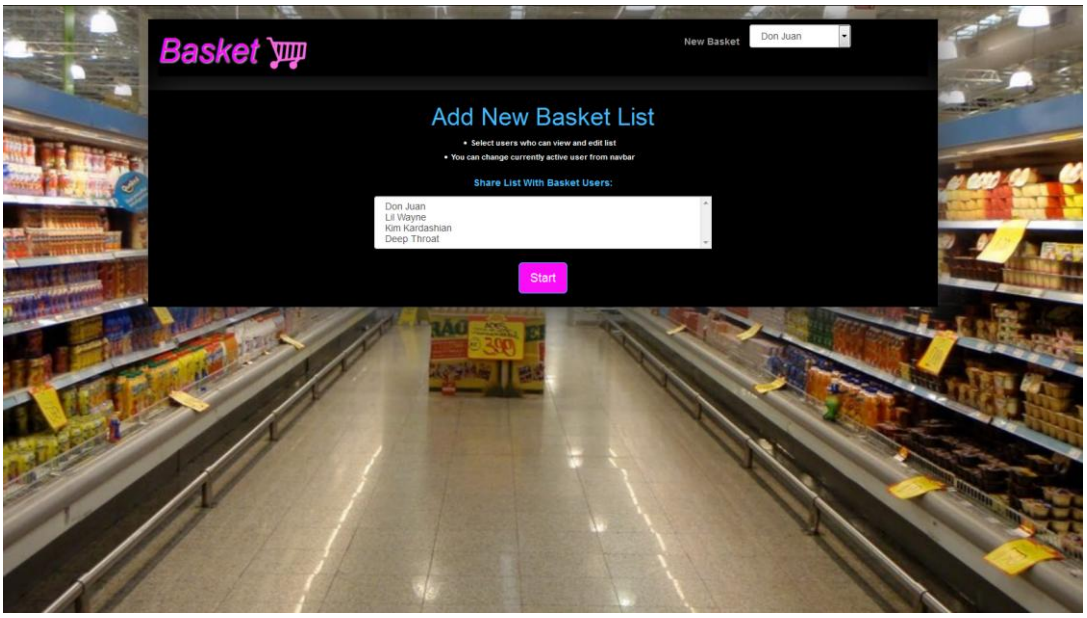


3. UI DEVELOPMENT

3.1 Developed user interfaces

3.1.1 Add New Basket List View

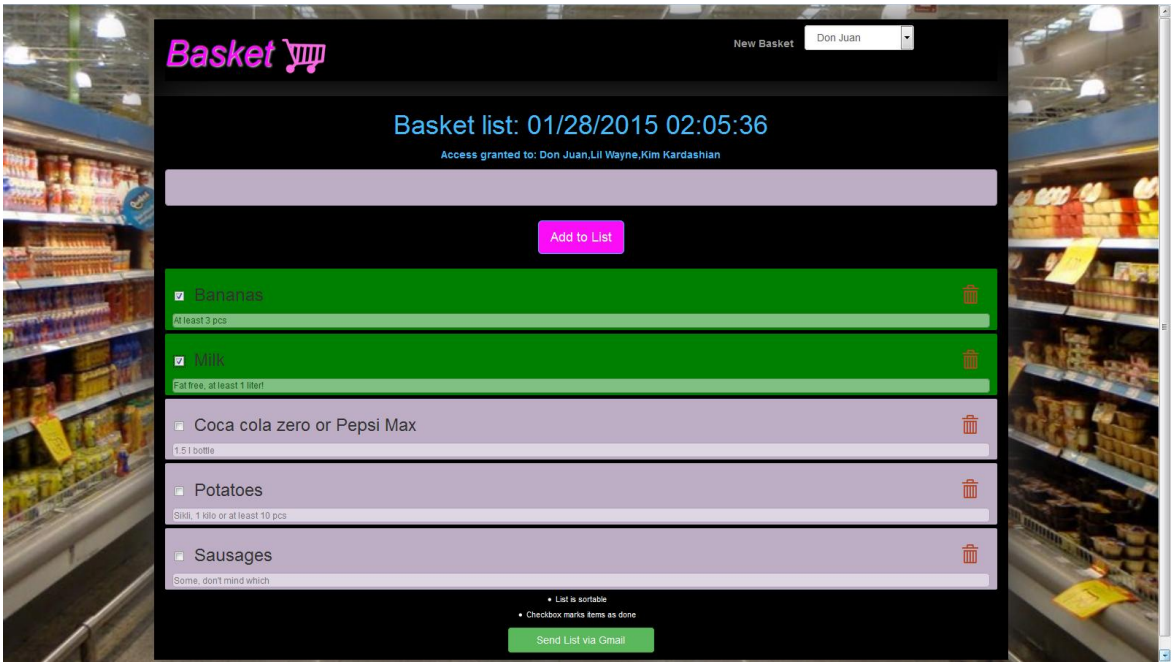
Add New Basket List view is s start screen where user can click button to start creating a new shopping list. The archive of previously created shopping lists was not required in instructions so that one is skipped. In this view there is also possibility to select who you share the list with.



3.1.2 Shopping List Editing

In the Edit view user can add products to previously created (empty) shopping list. User can also modify/update listed products, mark them as “done” (checkbox), add comments (one comment per list item) and also send shopping list via email. HTML5 offers also SMS hyperlinks containing recipient number and message body. I was about to implement SMS sending feature as “extra” but unfortunately my personal WindowsPhone device (WP’s default SMS send program) didn’t support it by default.

In previous view (start screen) user who shares the list defines who he/she shares the list with. So here is dummy implementation of user sharing functionality: logged in user can be changed on the fly. If user has no access then list content disappears and “ACCESS DENIED” popup notification appears.

“Send List Via Gmail” button opens Gmail and prefills message area with names of list items.

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