Grocery Store Helper

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CS 449

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**Vision Statement**

For the average person who goes grocery shopping, the Grocery Helper is an application for organization that helps a user keep track of their checklist, reward cards and past spending. Unlike other organizational applications, our product allows user watch their spending and see what they bought in the past.

Requirements

Users:

User A, an organized person.

User B, a person who has too many cards in their wallet

User C, a person watches their spending.

|  |  |
| --- | --- |
| **Actor** | **Goal** |
| User A | Making a grocery list |
|  | Clicks on a tab, called “List” |
|  | Adds grocery list |
|  |  |
| User B | Add rewards card |
|  | Clicks on tab, called “Rewards card” |
|  | Click on “+” |
|  | Camera opens |
|  | User takes picture |
|  | Picture of rewards care is saved and displayed under the tab |
|  |  |
| User C | Add receipt from grocery shopping |
|  | Clicks on tab, called “Receipts” |
|  | Click on “+” |
|  | Camera opens |
|  | User takes picture of receipt |
|  | Picture of receipt is saved and displayed under the tab |

Stories:

As User A, I want to be able to create a grocery list for my trip to the grocery store

As User B, I want to be able to save my rewards card on my phone and have easy excess to it.

As User C, I want to be able to save my grocery store receipts from my trips to the grocery store for my reference.

Product Backlog:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Story ID** | **Story** | **Story Points** | **Priority** | **Status** |
| S1 | Allow user to create a grocery checklist |  | 1 |  |
| S2 | Allow user to save a reward card for a store |  | 2 |  |
| S3 | Allow user to save receipt from their spending at a store. |  | 3 |  |

SPRINT 1 PLAN

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story / Task** | **Estimated**  **Hours** | **Actual**  **Hours** |
|  | Create design of the app | 5 | 3 |
|  | Create tabs for each feature | 2 | 4 |
|  | Create buttons | 2 | 1 |
|  | Get working camera for the app | 6 | - |
|  | Test buttons and tabs | 4 | 1 |
|  | Create toast for each button to insure working buttons | 3 | 2 |

Review:

Retrospective:

For this iteration, I planned on finishing the design of the app and get toast for each of the buttons to test and see if they work. Next, was to get an actual camera interface to work and store photos on the application but that was more difficult than thought of. I would say that I planned too much for the first iteration and should of planned better. I will have to move this camera interface of the application to the next iteration.

SPRINT 2 PLAN

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story / Task** | **Estimated**  **Hours** | **Actual**  **Hours** |
|  | Create check list feature | 3 | - |
|  | Test check list | 1 | - |
|  | Continue working camera for app | 4 | 5 |
|  | Test camera | 1 | 1 |
|  | Convert picture of barcode to pdf | 4 | - |
|  |  |  |  |

Screenshots:

Review:

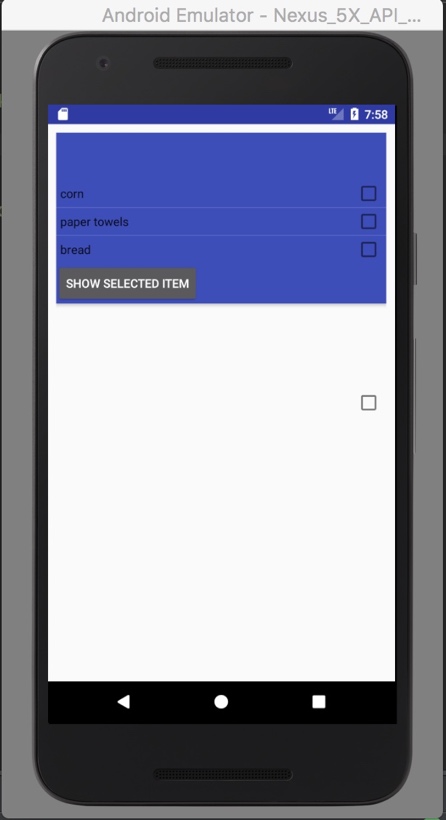
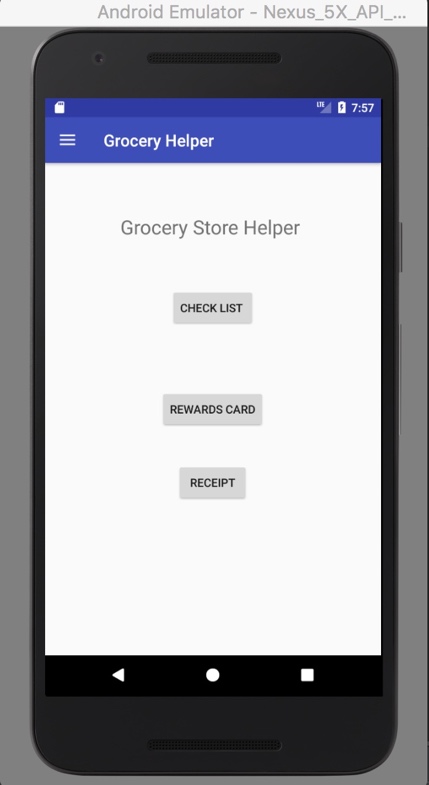
Retrospective:

For this iteration, I planned on finishing the camera interface and get a checklist started. I ran into a lot of trouble with the camera interface as I did not know where the photo was stored after the photo was taken in the photo storage to be used and displayed. But I eventually figured it out and got it reproduce on the screen. I started the checklist but had a biking accident that caused my arm to be in sling. I plan on finished the checklist next iteration.

Sprint 3 Plan

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story / Task** | **Estimated**  **Hours** | **Actual**  **Hours** |
|  | Create check list feature | 5 | 4 |
|  | Test check list | 1 | - |
|  | Convert picture of barcode to pdf | 5 | - |
|  | Design a menu for the front page of the application | 3 | 2 |
|  |  |  |  |

Screenshots:



Retrospective:

For this iteration, I planned on finishing my checklist feature, design my main menu and try to convert my barcode pictures to pdf. I finished the checklist design but still needed user input. The design of the menu was completed. The hardest part and the part that I am still researching is the conversion of an image to pdf in java. Overall good progress on the project, even with one hand typing.

Sprint 4 Plan

|  |  |  |  |
| --- | --- | --- | --- |
| **Story ID** | **Story / Task** | **Estimated**  **Hours** | **Actual**  **Hours** |
|  | Finish check list feature | 3 | 3 |
|  | Test check list | 1 | - |
|  | Convert picture of barcode to pdf | 5 | - |
|  | Start receipt feature | 3 |  |
|  |  |  |  |