



GE-IQ Smart Fridge Mobile App

Conceptual Sketches

Attention: Alyssa Brennan

Director of Innovation

GE Digital

Presented by: Ryan Biette

User Interface Developer

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Alyssa Brennan
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Re: Authorization to Develop App

Dear Ms. Brennan,

Thank you for the opportunity to develop the interface of your GE-IQ Smart Fridge Mobile Application. This report contains a brief synopsis of the design rationale and six screens that focus on the most important pages of the application.

The interface put forth allows user to monitor and adjust the refrigerator and freezer temperature, remotely view the inside of their refrigerator, create shopping lists, write a custom note to appear on the fridge display, view expiry reminders, and control Spotify playback.

The team at ABOREA designs is excited to work with you and we look forward to discussing the attached designs. We welcome any questions and feedback you have in regards to the designs or the process.

Best regards,

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The goal of the system is to be predictable, unobtrusive, and helpful to the user. The reasoning below and the system design seeks to support this goal.

The design put forth is currently designed exclusively for the Apple iPhone 8 and is not meant to be transferred to other platforms such as tablets or even other phones. If multiple devices are to be supported, additional design considerations are required. The goal of the application is to accomplish the desired requirements in an efficient and clear manner.

As a product of GE, it was essential to keep the clear blue and white colors of the traditional logo. Throughout the interface design, a prominent logo and a consistent page layout was used to aid in the user experience. Additionally, a clean and modern typography and icon design theme was implemented. For example, on the temperature setting page (Figure 2), a strong contrast highlights the written text temperature. The operator icons were designed to mimic that of most refrigerators. Thus aiding the user in the use of this digital platform due to their preexisting knowledge.

Additionally, some design choices were made in order to help predict user actions. On the welcome screen (Figure 1), the application can see what items are currently in the refrigerator and freezer and recommends possible recipes for the user. On the expiry reminder page (Figure 6), the application shows which items are expired (red), about to expire (yellow), and safe (green). The option to add the expired/critical items is prominently displayed and simplifies the user's task load. Yet another feature to note is the Spotify playback screen, which mimics the existing Spotify user interface to decrease the learning of the system.

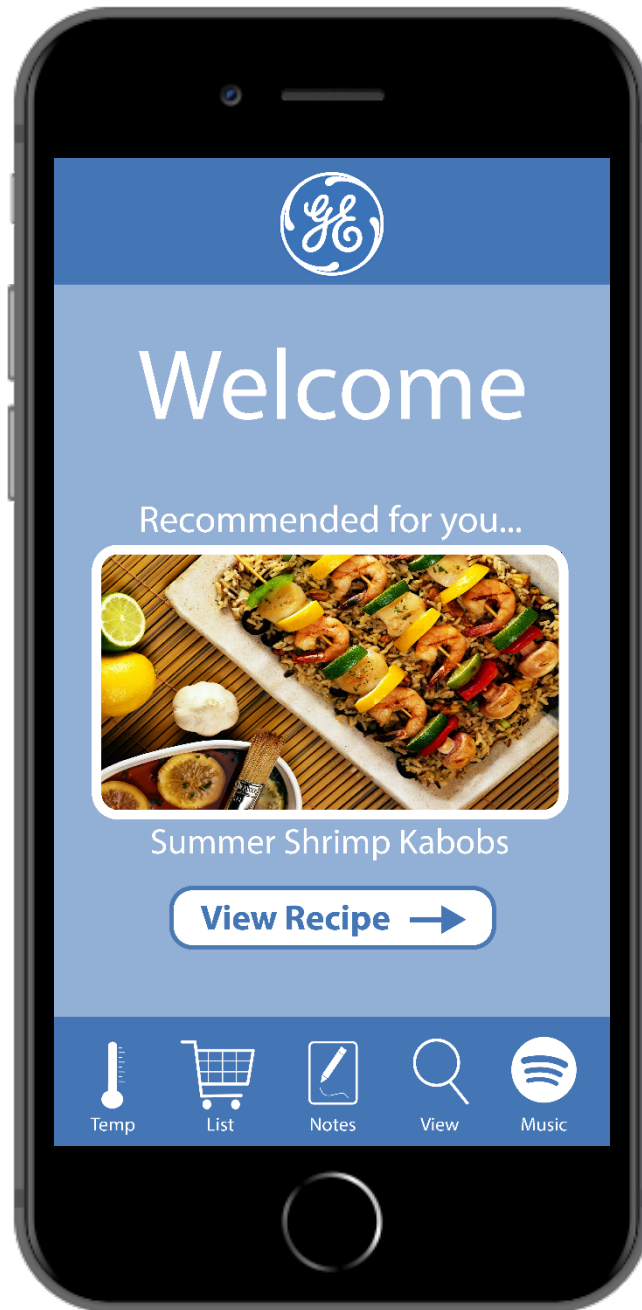


Figure 1: Welcome Screen

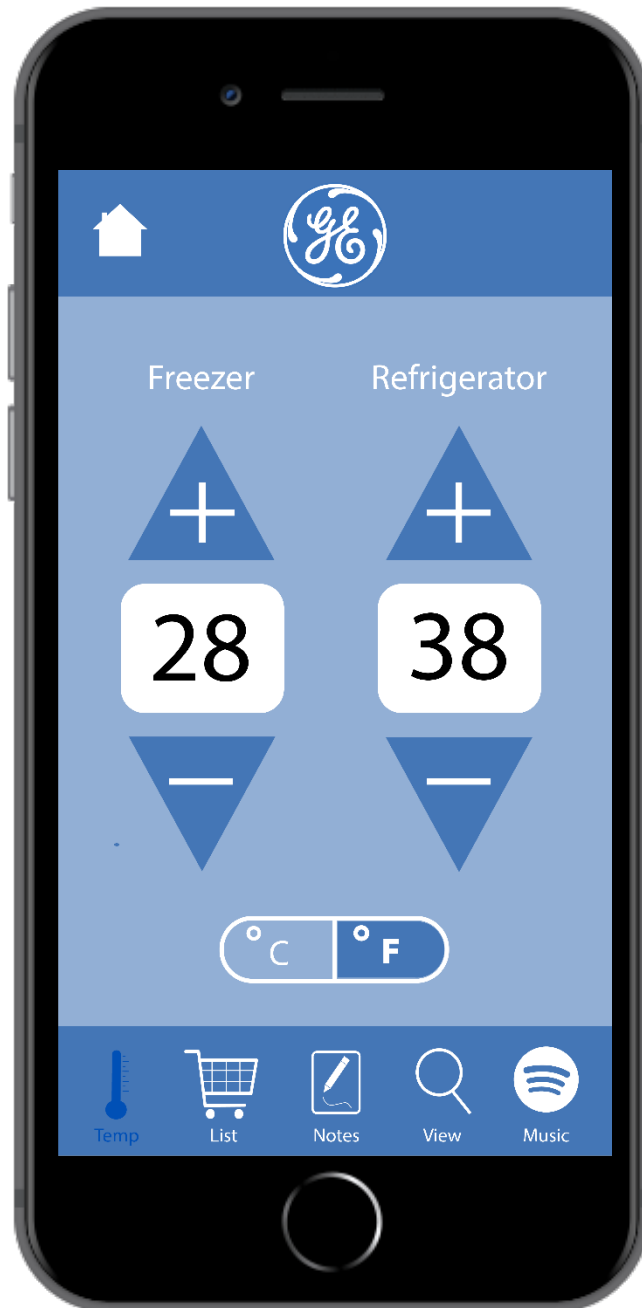


Figure 2: Temperature Setting Screen

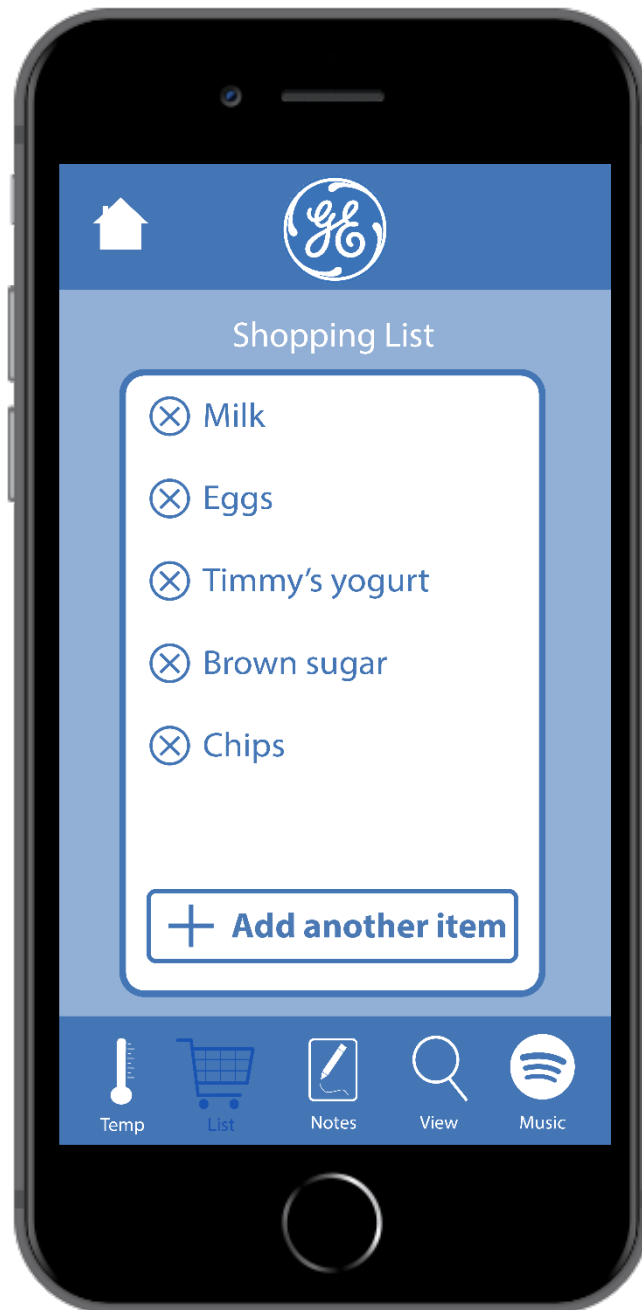


Figure 3: Shopping List Screen



Figure 4: Custom Note Screen



Figure 5: Refrigerator Live View Screen

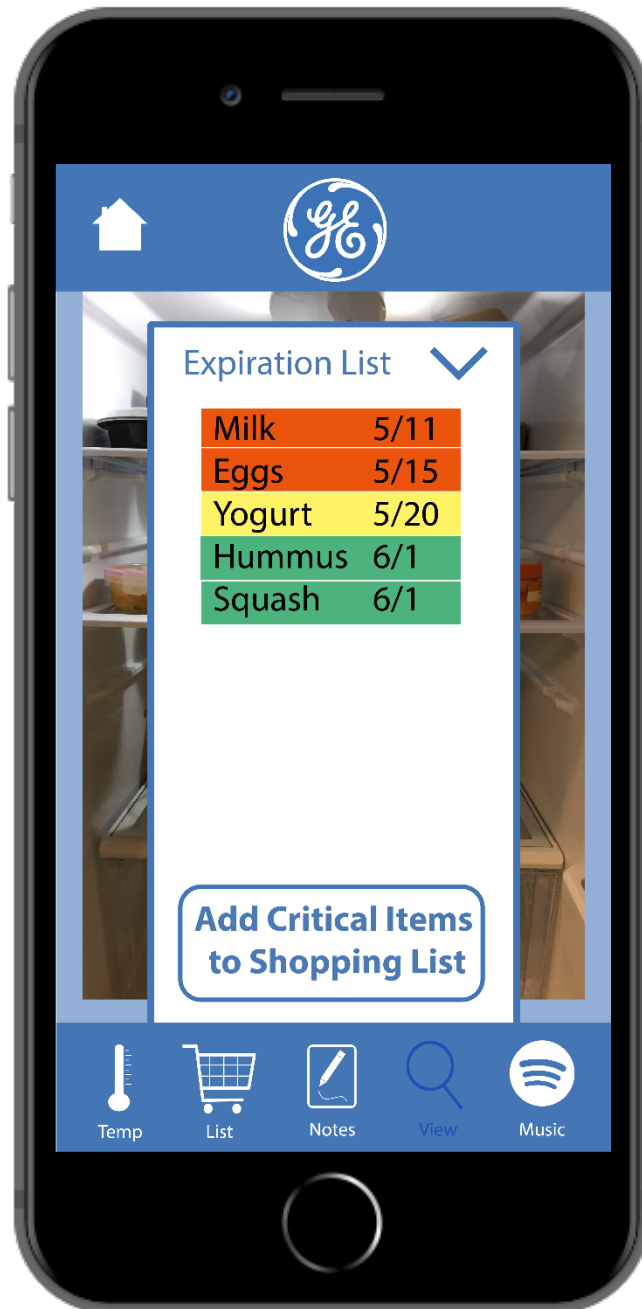


Figure 6: Expiration List Screen

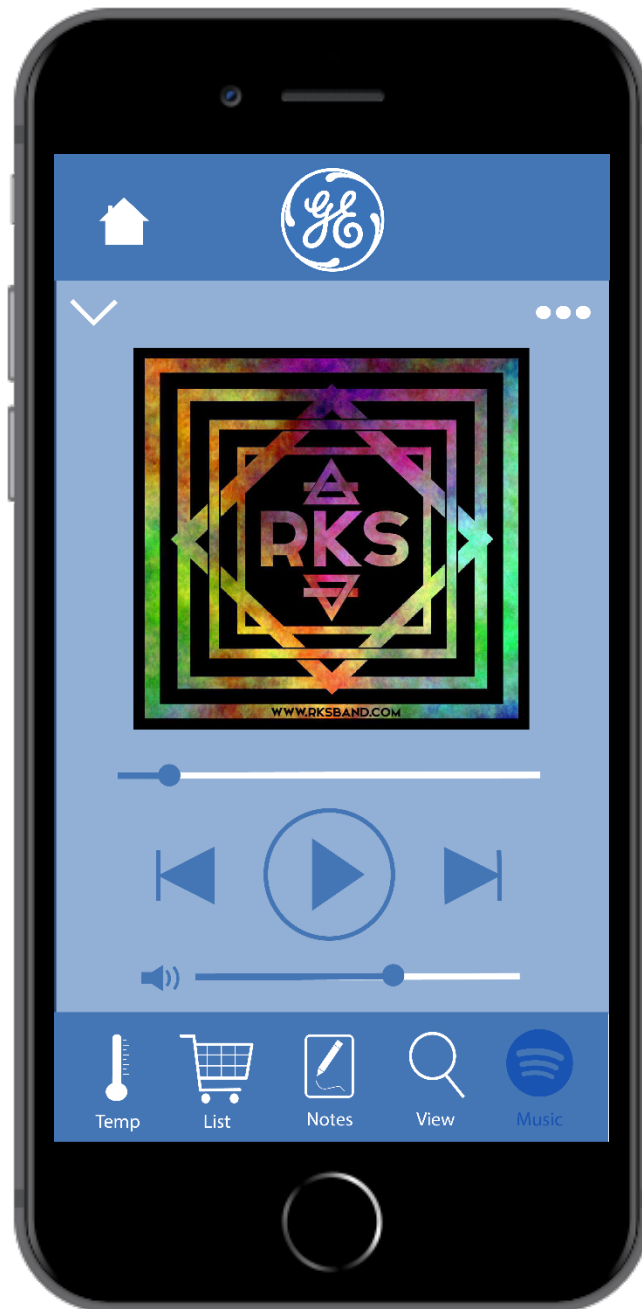


Figure 7: Spotify Playback Screen