

Functional Requirements

User Authentication(Log in,Log Out);

User profile management (create, view, edit and delete profiles):

- Edit name;
- Edit interests (products);

User roles and permissions(regular, mod, admin user);

Data storage and retrieval (The app should store user data securely and allow users to retrieve their data as needed)

Access control and permissions;

Integration with External Systems (API Rest);

Notification and communication system (Pop up);

Ensure that the application is accessible for people with disabilities (blind people, color blind);

Synchronization Across Devices;

Create barcode/QRcode;

Display barcode/QR code;

Search and Filtering;

Treasure hunt mode (gives user a recommendation different from his/her likes);

(optional) Button to compress more than one discount in one only barcode / QRcode;

(optional) for business account, the APP can connect with their Database (excel, mySQL, or other) and expose their stock in a more interactive way so they can easily choose what to put in discount;

Non Functional Requirements

- Flowing without the feeling of prolonged waiting (+5 seconds)/ The app must be responsive and fast(the best way to explain);
- Allow the APP to run in the background;
- Log-in verification needed only after 1 month;
- Back-ups of users info;
- APP must be consistent;
- Optimized APP to minimize battery usage;
- Different languages (PT, EN, CN);
- App must comply with data privacy regulations and data protection policies;
- App must be optimized to minimize the consumption;
- The source code and app architecture must be well documented and structured in a way that facilitates maintenance and future evolution;
- Data, time, currency should be correctly formatted according to the users locale.

Business Requirements

- Terms and conditions before finishing account creation;
- Define the target market for the app (18-35 years old);
- Cross-Platform Availability

- Implement features that ensure high user retention rates such as customizable preferences or rewards.