17 ноября 2018 г.

Reva P., Volobuieva O., Saukh D., Bahno O.

|  |
| --- |
|  |
| Precedents |
|  |
| ProFinder |

Precedents

ProFinder

**Functional Requirements**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Function | Status | Priority | Laboriousness | Risk | Stability | Purpose | Justification |
| Ability to evaluate supermarkets | included | High | medium | Low | High | Allows the user to evaluate the supermarket on the basis of the purchase | The user should be able to evaluate a particular store so that others understand whether to go there or not |
| Registration through social networks | included | Medium | Low | Low | High | Accelerates the process of registering new users in the application | Since most people are in the social networks, registration in this application through them simplifies the process of using |
| Selecting the program range | Included | High | Medium | Low | Medium | Sets the maximum search area for nearby supermarkets. | The user should be able to control the distance to potential places of purchase. |
| Vision of the most expensive/ cheapest product in the product database | Included | medium | Medium | Low | Medium | The ability to see where there is the most expensive \ cheap product in the database | The user must understand where and what the price of the product, and in conjunction with the rating function, he will be able to determine the best product that will meet the criterion of price-quality. |
| Multilingual | Included | High | Low | Low | High | Support for various language settings | The application can be used by people of different nationalities |
| Determination of current location | planned | High | Medium | Low | High | The ability to determine your current location and nearby stores | The application will allow the user to quickly determine the desired supermarket |
| Calculation of the cost of purchases | included | Medium | Medium | Low | High | Calculate the total cost of selected (photographed) products | The user can see the ratio of his financial capabilities and the price of the desired purchase. |
| Weekly stock list | Planned | Medium | High | Medium | High | Weekly update showing promotional items in a store | Building a route from the current location of the user to the desired store |
| The route to the supermarket | Planned | High | High | Low | High | Building a route from the current location of the user to the desired store | The user can easily reach the desired supermarket, without wasting time searching for a possible route |

Customer

Supermarket

***The interaction of the customer and the supermarket***

**Description of the actors of the system**

Within our system, the actors are the supermarket, the customer and the programmer.

**The supermarket** is one of the main actors of the system, since the developed application involves the creation of a store rating by the customer. In addition, the store itself provides the necessary information about the goods in case of interest in this application.

**The customer** is the main actor of the system. This project is being developed for its use. The buyer will be available all the features of the application, which will improve and speed up the process of buying the desired goods in the store.

**The programmer** is the creator of the application itself. It interacts with the application most frequently: during development, as a potential user, and after the release of the project in order to improve it.

Text description of all use cases of the system from the user's point of view.

|  |  |  |
| --- | --- | --- |
| Name | Description | Actors |
| Barcode pictures | The Customer photographs the barcode of the product and as a result, a list is created with this product in stores. | Customer |
| Store evaluation | The Customer can assess the quality of products in a particular store | Customer |
| Database editing | The store can make adjustments to the database of products in the absence of a product, to add a new product or price changes. | Store |
| Route from home to store | The Customer can use the function of determining the shortest path to the place of purchase, if this path does not suit him, he can leave a request for optimization. | Customer, Programmer |
| Change of range | The Customer can change the range of the program to show only those stores that are at a convenient distance for him. | Customer |
| Enable geolocation mode | Customer turns on automatic location determination. | Customer |
| Add promotional item | The store administrator adds a promotional item to the application. | Store |