

AAWNN CHARITABLE WEBSITE PORPOSAL



SERVICES



Research



Sitemap .



Wireframes & Design



Development



Quality Assurance

Approach to meet requirements

The purpose of the app is to connect app users with producers from their area. Taking this into consideration, the Admin of the app can create a regional area by drawing it on the map and assigning to it an Area Admin account. Given the fact that technology adoption is low among producers, the Area Admin will be a person that knows a lot about producers in that area, will be able to manage the list of offers from that area and also to create/manage producers accounts. A producer will be able to post offers in his name, while the Area Admin can post offers in the name of any producer in his area.

Normal users will be able to see all the offers from a area with details about the producer, while all the offers and producers are approved by the Area Admin. Users will be able to search and rate products, request offers and recommend producers.

The app will have categories and subcategories, and each offer will be linked to a category or subcategory.

In order to build this system we will need:

- **design work for Website and smartphone app iPhone mobile app**
- **Website and Api's**
- **Android & iPhone mobile app**

- 1 let the user choose manually his location
2. List of all offers from area. The user will see a list of all the offers from that area and can access the details of the offer
3. The user can opt to see the offers on the map
4. Search for offers. The users will be able to search for a keyword and filter the results
 1. Filtering results. The user will be able to filter the results based on category/subcategory
5. Offer details. The user can see the details of an offer and the producer. The details of the producer will be: name, location, phone number, website, email address, short description. The details of an offer will be: name, category/subcategory, expiration time, description, image
 1. Rate offer. When rating the user can choose to add a comment as well. The user might change his rating afterwards.
 2. Comments
 1. Add comment
 2. Report comment
6. Recommend an offer. This offer is sent to the area admin, who can approve or reject a normal user's recommendation (producers don't need approval to post offer)
7. Post request for offer. The user will be able to request an offer by selecting the category/subcategory and entering a text describing his request. All the producers and the area admin will receive a notification for this request.
8. List of requests for offers. The users will be able to check their requests for offers. There will be two types of offers, active and solved.
 1. Edit or delete requests.
 2. Comments. Users might mark the request as solved from a comment.
9. Register. Users need to register in order to rate, comment, post offer request or to recommend an offer. Producers will also be able to register and have some extra features described below. The area admin needs to approve producers accounts and only afterwards they'll be able to use the producer features.
10. Normal Login and Social media login to Recommend related offers to user's social News feed
11. My profile. My profile will be different between producers and normal users. Features only for producers
12. My offers. The producer will be able to see the offers he posted grouped in two sections: active (published) or inactive (unpublished)
 1. Add/edit offer
 2. Change offer state. Producers might change the state of the offer to inactive, so when they are in stocks, to publish the offer back just by updating the last offer.
 3. List of ratings

12. List of requests for offers

The backend

1. Architecture and structure of entire project. We would prefer to use LAMP model for this type of project.
2. API documentation and implementation
3. Setup server hosting.

The presentation website

1. Home screen. Will present the features of the app grouped in two sections: the mobile app for producers & normal users and the tablet app for area admins.
2. Request an area admin account
3. Terms and conditions

Technical solution

We are using RUP (Rational Unified Process), so the development of parts from the components can be done in parallel. The diagram from the costs and timeline will explain how the components are done in parallel.

Technologies proposed for the development:

1. Backend and Database

We have selected a PHP stack to implement the backend, based on Laravel. As opposed to more traditional technologies, we selected it because of its stellar performance and better scalability.

The database storing producers and offers data will be implemented as a SQL database. The database system will be MySQL.

2. Admin Area and Website (web client)

The admin area will have a simpler UI and functionality and will be implemented using a template based on Bootstrap 4.0.

Both the website and the admin area will run on all major current browsers: Chrome, Firefox, Internet Explorer.

Timeline

