Food ordering web site – FoodMe

simple functional specification

Users

**User** – anyone who registers and uses the website for ordering

**Customers** – restaurants that are interested in adding their information and menus, and receiving orders to the FoodMe site

**SuperAdmin** – super admin privileges to review/modify/update any information in the system

1. Users

* All regular users within the FoodMe system must have unique email/username
* Once registered they will be able to order food from different restaurants
* User FoodMe based registration + Facebook based registration
* Greeting email should be send after successful registration
* Should be able to pick restaurants based on geolocation

1. Customers (tenants)

* Should be able to register with website as restaurant admins
* Should have admin privileges to their CRUD menus, menuitems, review orders, get basic analytics (orders, orders total), add more users with admin privileges
* Should be able to add custom logo/image for the restaurant

that will be integrated into their menu in the header

* Customer/Tenant name must be unique across system
* During registration their restaurant location, based on the address should be found on google maps and geolocation should be stored together with customer /restaurant data.See Wix for this.
* Superadmin would need to approve new customer/tenant/restaurant, and an email should be sent once approved

1. SuperAdmin

* Can approve/review/update/modify all tenants, users related information including orders

Main user roles are: user, restaurant admin, staff, and super admin. We will need separate table to hold roles,userids.

User role - > can search web site, order food

Customer role -> there should be a admin role that can CRUD menu, CRUD orders, modify restaurant info,

Staff role -> staff within customer/tenant that will be only able to view/update order status(kitchen chef for example)

Super admin -> can CRUD anything in the system (users, restaurants, orders)

Admin and superadmin web app

Included is a directory with screen shoots how backend admin and superadmin web app should look like, and what functionality should be provided. Please register with wix.com and choose restaurant template->menu->settings to see how these screens are handled. The layout should be similar, but the navbar on the left hand side should be able to be closed/hidden if they want full screen mode active.

Everything should be pretty much the same except, creating restaurants. That part should be moved to the landing page (default [www.foodme.com](http://www.foodme.com) page). One tab should be added for restaurants “create restaurant” to the main page, and that functionality should be included there.

Get found and Activity sections are not needed in this version.

Database tables like restaurants, menus, menuitems, ingredients, should contain all information that is on these WIX screens.

User web app

1. Web site layout

The main site and layout should look like this one. [**http://themeforest.net/item/takeaway-restaurant-online-food-ordering/full\_screen\_preview/9701608**](http://themeforest.net/item/takeaway-restaurant-online-food-ordering/full_screen_preview/9701608)**.**

If it is easier and faster, I can buy this template, but some things will have to change because of the copyright.

The menu part and ordering should look like a mix between [**http://themeforest.net/item/takeaway-restaurant-online-food-ordering/full\_screen\_preview/9701608**](http://themeforest.net/item/takeaway-restaurant-online-food-ordering/full_screen_preview/9701608)**.**

Click on Order Online->Menu Item 1 and this one

**[http://www.wix.com/website-template/view/html/1413?originUrl=http%3A%2F%2Fwww.wix.com%2Fwebsite%2Ftemplates%2Fhtml%2Frestaurants-food%2F2&bookName=&galleryDocIndex=8&category=restaurants-food](https://www.upwork.com/leaving-odesk?ref=http%3A%2F%2Fwww.wix.com%2Fwebsite-template%2Fview%2Fhtml%2F1413%3ForiginUrl%3Dhttp%253A%252F%252Fwww.wix.com%252Fwebsite%252Ftemplates%252Fhtml%252Frestaurants-food%252F2%26bookName%3D%26galleryDocIndex%3D8%26category%3Drestaurants-food" \t "_blank)**

Wix menu look is fine, just to be able to display food dish images and menu images along. All images should be stored in Amazon S3. Will provide credentials.

1. Selecting menus

Menus should be presented to user based on geolocation. If a restaurant is nearby user’s location, and if it is registered with the system (Customer registration), then show it. Only restaurants/menus within 100m should be shown.

1. Ordering food item

Upon ordering an item, an email should be sent with details. I can provide sendgrid credentail details for sending emails.

Important

All routes in should be implemented using Oauth2 Bearer based authentication.

All routes should be REST based. All routes will be accessed later by mobile applications. CustomerId or name related data should be maybe stored in the authenticated token or headers so routes can stay free of customer details.

AngularJS part would be typical, controllers calling services that provide data to the application. Angular stateprovider should be used for routing. Token based authentication should be implemented using interceptors.

Java code should follow SOLID principles, as much as possible. See more here http://howtodoinjava.com/best-practices/5-class-design-principles-solid-in-java/

If it is easy, subdomain should be handled from the beginning. Same database, same tables for all users is fine, as long as there is tenant id added to each table. There should be maybe host table with tenant id/host informations. If user goes to [www.foodme.com](http://www.foodme.com) website, and they pick restaurant1 menu->they should be redirected to restaurant1.foodme.com website. Restaurant admin could always go to

[www.foodme.com](http://www.foodme.com) or restaurant1.foodme.com where there should be only one login form to login into system.

I would like the project to be decoupled, and modular, from the beginning, as much as possible.