

EATYPICAL

INTRODUCTION

The following documentation is meant to show the functionalities of the system, the phases of the software development, a description of how EaTypical was implemented and the testing activities to which the system was subjected.

EaTypical offers an overview of the most famous Italian cities in the culinary field: it allows to know the typical dishes of each location by showing the restaurants where they can be eaten.

For each restaurant, the system allows seeing some information like its prices, and it is possible to read all the reviews and to write a new one. EaTypical is also able to generate scheduling of the meals in the best restaurants placed in the selected city and the specified period.

Restaurant owners can sponsor their restaurant by adding it into the system. Finally, EaTypical allows restaurant owners to manage their menu by adding typical dishes or changing their settings like price.

A Windows operating system is required to be able to launch and use EaTypical.

EaTypical has some features in common but also some new functionalities compared to two already existing software:

1. TheFork:

- Common features: both systems allow to find restaurants with their menus.
- Advantages of EaTypical: it can automatically generate scheduling of the restaurants placed in a specific city and a specific period, compatibly with user's needs.
- Disadvantages of EaTypical: it does not allow to book for a restaurant and it does not provide any discount.

2. TripAdvisor:

- Common features: both systems allow to find and review restaurants of various Italian cities.
- Advantages of EaTypical: it can automatically generate scheduling of the restaurants placed in a specific city and a specific period, compatibly with user's needs.
- Disadvantages of EaTypical: it is not a support that allows organizing a trip entirely, so it does not have an area dedicated to flights, hotels or vacation houses.

USER STORIES

1. As a tourist, I want to look for the restaurants in a city where I can enjoy a typical dish so that I can have an amazing experience with food.
2. As a tourist, I want to know the address where each restaurant is placed, so that I will be able to reach it.
3. As a user, I want to save a restaurant as a favourite, so that I can receive notifications about it.
4. As a user, I want to choose the restaurants that fit my budget, so that I can avoid paying too much to enjoy typical food.
5. As a tourist with high demands, I want to be able to look for restaurants in a specific range of *quality* (1), so that I can eat typical food in the best-rated places.
6. As a vegan user, I want to look for the restaurants that offer vegan dishes, so that I can satisfy my food requirements while enjoying typical food.

7. As a user with celiac disease, I want to look for the restaurants that offer dishes for people with celiac disease, so that I can satisfy my food requirements while tasting typical dishes.
8. As a registered user, I want to receive and memorize a schedule of restaurants which is based on:
 - the city I selected;
 - date and time of the first meal of my trip;
 - date and time of the last meal of my trip;
 - my food requirements (if they are specified);so that I can taste typical food in the place I will go to for a trip.
9. As a registered user, I want to put a review for the restaurant where I ate, so that other users will know about my experience in this place.
10. As a user, I want to read the reviews of a restaurant, so that I will know the opinion of other people about this place.
11. As a restaurant owner, I want to manage my menu:
 - by adding typical dishes;
 - by removing typical dishes;
 - by setting a price for dishes;
 - by specifying if the dishes are for vegans and/or for people with celiac disease;so that tourists will always be kept up-to-date with my menu.
12. As a restaurant owner, I want to receive advice about my menu in cases where:
 - I should add a specific dish;
 - I should introduce a dish for vegan people or people with celiac disease;
 - I should reduce the price of a particular dish;so that my restaurant will be competitive with the other restaurants in my city.
13. As a restaurant owner, I want to sponsor my restaurant by adding it into the system, so that more people can see my restaurant.

FUNCTION REQUIREMENTS

1. The system shall provide the restaurants for each city.
2. The system shall provide a list of the restaurants that satisfy possible food requirements for vegan users or people with celiac disease.
3. The system shall provide the address where each restaurant is placed.
4. The system shall provide the memorizing of a restaurant as a favourite.
5. The system shall provide a schedule of restaurants based on:
 - date and time of the first meal;
 - date and time of the last meal;
 - possible food requirements for vegan users or people with celiac disease;for a trip in a specific city.
6. The system shall provide a review system.
7. The system shall provide the updating of a menu restaurant which consists of:
 - adding typical dishes;
 - removing typical dishes;
 - setting a price for dishes;
 - specifying if the dishes are for vegans and/or for people with celiac disease.
8. The system shall recommend restaurant owners to:
 - add a specific dish;
 - introduce a dish for vegan people or people with celiac disease;
 - reduce the price of a particular dish.
9. The system shall provide the adding of a new restaurant.

10. The system shall send a notification, which includes the new review, to the restaurant owner every time a user publishes a review for his/her* restaurant.
11. The system shall send a notification which warns the restaurant owner of a possible forthcoming booking every time a user saves a schedule that includes his/her* restaurant.
12. The system shall send a notification, which includes the updated menu, to the *interested users* (II) every time a restaurant owner updates his/her* menu restaurant.
13. The system shall provide login by Facebook.

* "His/her" refers to the restaurant owner.

Dictionary

(I) *Quality*: average judgment based on the reviews.

(II) *Interested user*: a user who memorized a specific restaurant as a favourite.