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software reqirement document

For pick a dish application

Functional requirement:

* The app should display the list of dishes ordered by user choice [rate, price, location].
* The user can filter the displayed dishes by filters kind of meeting.
* The user can filter the displayed dishes by filters kind of dish.
* The home page for app should be the list of dishes ordered by most high rating.
* The list of shops and restaurant should have separate page with ordering and filters.
* The user can search by name of shop.
* The user can search by name of dish.
* The system shall allow the user to sign up to a new account using a nonexistent username and a password.
* The system shall prompt the user to sign up using his/her email.
* The system shall send an email to the user indicating that his/her registration was successful.
* The system shall allow the user to sign in to an existing account using an existing username and password.
* The system shall allow the user to view his/her profile.
* The system shall allow the user to view his/her ratings.
* The system shall allow the user to view his/her comments.
* The system shall allow the user to view his/her liked dishes.
* The system shall allow the user to add a new dish.
* The system shall determine the user’s current location.
* The system shall allow the user to change his/her profile photo.
* The system shall allow the user to change his/her profile name.
* The system shall allow the user to add a bio.
* The system shall allow the user to edit his/her bio.
* The system shall allow the user to sign out.
* The user shall write dish name in English character.
* The user shall write a price for the dish with the dollar.
* The user shall set a location of shop.
* The user shall determine time of opening and closing of shop.
* The user shall set a photo for dish.
* The user shall choose a type of dish [Pasta & risotto, Salad, Bread & doughs, Curry, Vegetable sides, Soup, Antipasti, Roast], or write other type.
* The user shall write a type of dish if type didn't mention in the list of type by select 'other' option.
* The user can add a new dish by pressing the 'add' button.
* The user shall be able to like the dish to save it in his/her dishes list.
* The user shall be able to rate the dish .
* The user shall be able to choose occasion type for the dish.
* The user shall be able to change the picture for the dish.
* The user shall be able to edit price for the dish.
* The user shall be able to edit name for that dish.
* The user shall be able to add a tip with picture for that dish.
* The user shall be able to view dish name ,occasion type, price and picture .
* The user shall be able to view dish rating and number of raters.
* The user shall be able to view dish shop .

Non-functional requirement:

* The app should be smooth.
* The price should be two decimal numbers.
* Total time of failure status should not exceed 20 minutes per year
* The Dish application should not use more than 5% of battery power in two hours' time

Design constrain:

* The app must support Arabic and English languages.
* The app must consider

Use case diagram:

