

Requirements, Specifications, and Assumptions

Use Case: Post/browse/update sustainable recipes

Requirement #1

Requirement

Allow home-chef users to share their recipes, such that other home-chef users can browse them.

Interface Phenomena

- Recipe: A set of instructions for preparing a particular dish, including a list of the Ingredients required, a list of required Appliances, Steps to follow, and Images of the dish.
- Home-chef Account: User account and profile that a home-chef user uses to interact with the eatsilon system

Specifications

- eatsilon provides an interface for Home-chef Accounts to input and post Recipes.
- eatsilon provides an interface that allows Home-chef Accounts to browse and view posted Recipes.

Assumptions

- Home-chef Account postings are made by the (user) owner of that Account
- Posted Recipes are of actual good recipes .

Requirement #2

Requirement

Allow home-chefs to update their existing recipe posts, in order to share recipe improvements with other home chefs.

Interface Phenomena

- Recipe: A set of instructions for preparing a particular dish, including a list of the Ingredients required, a list of required Appliances, Steps to follow, and Images of the dish.
- Home-chef Account: User account and profile that a home-chef user uses to interact with the system

Specifications

- A Home-chef Account can edit a Recipe that it has posted.

Assumptions

- The user who edits a posted Recipe is the owner of the Home-chef Account that posted that Recipe
- The edits to a Recipe improve on the previously posted version of the Recipe.

Use Case: Browse local sustainable products

Requirement #1

Requirement

Allow home-chef users to browse local vendor users' offerings for products used in a recipe, so that they can buy from local vendors

Interface Phenomena

- Product: An item available for purchase from a vendor user
- Advertisement: Images and text representing a product being sold by a vendor user
- Vendor Account: User account and profile that a vendor user uses to interact with the εatsilon system.

Specifications

- εatsilon displays Advertisements that match Ingredients in a Recipe post being viewed
- εatsilon provides an interface that allows Home-chef Accounts to browse and view the details of displayed Advertisements.

Assumptions

- The Advertisements accurately reflect products that are available from the vendor that posted the Advertisement
- The Advertisements are described in sufficient detail that εatsilon can accurately match listed Products with ingredients in the Recipe post being viewed

Requirement #2

Requirement

Allow vendor users to post advertisements for their sustainable products, in order to make sales.

Interface Phenomena

- Advertisement: Images and text representing a vendor user and/or its products
- Vendor Account: User account and profile that vendor users use to interact with the εatsilon system.

Specifications

- eatsilon provides an interface for Vendor Accounts to upload Advertisement descriptions and images

Assumptions

- Vendors Accounts accurately represent real vendors
- Advertisements accurately reflect the products that the poster (vendor) has to sell
- Advertisement images accurately reflect the advertised products

Use Case: Manage vendor events

Requirement #1

Requirement

Allow home-chef users to check in when they arrive at vendor events in person.

Interface Phenomena

- **Vendor Event:** Information about the **Date**, **Time**, and **Location** of a promotional event held by a vendor
- **Location:** **GPS** coordinates (e.g., for a **Vendor Event** or as reported by a device's **Location Services** app)

Specifications

- eatsilon provides an interface that allows a **Vendor Account** to input information (**Date**, **Time**, **Location**) about a **Vendor Event** and to post the **Event**.
- eatsilon provides a page for **Home-chef Accounts** to check in at a **Vendor Event**.

Assumptions

- Home-chef users carry to **Vendor Events** some device (e.g., a smartphone) that runs the eatsilon app and that has **Location Services** (so that they can check in to the event on arrival)
- **Vendor Event** information (**Date**, **Time**, **Location**) is accurate (otherwise check-in will be inaccurate)

Requirement #2

Requirement

Allow home-chef users to purchase tickets to vendor events on eatsilon.

Interface Phenomena

- **Ticket:** A ticket permits the buyer (i.e., a home-chef user) to enter the corresponding **Vendor Event**

- Payment information: Payment Information is used by a third-party online payment system (e.g., PayPal) to process a home-chef user's payments

Specifications

- Eatsilon provides an interface for a Home-chef Account to input their Payment Information to be shared with a third-party online payment service
- Once the Payment Information provided by a Home-chef Account has been confirmed by the third-party online payment service, Eatsilon should then issue to the Home-Chef Account a Ticket for entry to the corresponding Vendor Event.

Assumptions

- Home-chef users provide Payment Information that is associated with a payment account that they own.