

Person-Machine Interaction**2021/2022****Eat&Share**

Stage 2: User and Task Analysis**Authors:**

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1. PROBLEM DESCRIPTION

The Eat&Share web application allows amateur and professional cooks to share and discover new recipes.

Most of the already existing recipes available on the internet are badly organized, and new recipes are not easy to find, due to the poor discovery systems provided by recipe websites.

The user should be able to find recipes by country, ranking (i.e. most-voted recipes), and other filters.

Additionally, most websites do not provide a link to where the user can buy the necessary tools for the lowest price, requiring additional search for the most “exotic” recipes (i.e. recipes that require non-usual tools).

2. USERS

- Not Logged In Cook - This user can discover new recipes on the website and share them with their friends via a link or QR Code.
- Logged In Cook - This type of user can also discover new recipes, but since it is a logged in user, it's possible to rate a recipe or a cook, or to share the recipe directly with other users on the website. Moreover, this user can also create new recipes.
- Admin - Website admins are responsible for maintaining the website by, for instance, responding accordingly to user reports.

3. TASKS

- Create recipes
 - Specify the name of the recipe
 - Photos of the final result
 - Video explaining the recipe step-by-step (optional)
 - Steps to perform to achieve the recipe
 - Necessary ingredients and their amounts to achieve the step
 - Include image for the step (optional)
 - Specify the video section where the step is explained (optional)

- Specify the necessary tools to perform the step (optional)
- Discover a new recipe
 - Search a recipe by name
 - Discover a recipe by filters
 - Filter by ingredients
 - Filter by region of the world
 - Discovery by ranking
 - Discover by the most-voted recipes
 - Discover recipes of the most-popular cooks
- Send a recipe to another user
 - If one of the users isn't on the website, the recipe can be sent by link or QR Code.
 - If both of the users are on the website, the recipe can be sent by the website interface, by specifying the user.
- Create a new user account
 - Create an account by Google Sign-In
 - Choose the Google Account
 - Create an account by email address
 - Specify name
 - Specify email address
 - Choose a password
- Login into an existing account
 - If the account was created with Google Sign-In
 - Choose Google Account
 - If the account was created with email
 - Provide the email and password associated with the account.

- Follow the recipe while cooking
 - Checkboxes for each step, in order to keep track of the progress of the recipe
 - If the step requires a certain time to be completed, the user can use the integrated timer
 - The user can find the necessary tools in each step
 - Tools with links to shops, ranked by lowest price/highest quality
 - Report the recipe (e.g. inappropriate content)

4. SCENARIOS

- Create a new recipe
 - Chef Alex now wants to create a recipe on the website (cooking Spaghetti), if he's not logged in a page will appear, he will enter the email address and the password or create an account if he doesn't have it yet.
 - Then he enters the recipe name: "Alex's Spaghetti", next he writes the steps, with the ingredients:
 - Step 1: Put water in a medium pot (**1L of Water**)
 - Step 2: Put salt in the pot (not too much) and a little oil (so they don't stick together) (**1 Salt Soup Spoon**)
 - Step 3: Leave the pan on high heat
 - Step 4: As soon as it starts to boil, place the desired amount of spaghetti in the pot (**100g of Spaghetti**)
 - Step 5: When it starts to melt, gently twist it into the pot and wait for about 6 minutes
 - Step 6: Take out the water with a colander
 - Step 7: Season it with salt and pepper, and finally add a bit of oil (**1 dessert spoon of pepper and 1 dessert spoon of oil**)
 - And finally he uploads the pictures related to each step, as well as the final result.

- Search for a recipe by ingredients
 - Iván wants to cook something nice for his girlfriend before she arrives from work. However, he doesn't know that much about recipes, so he just looks at their fridge to see which ingredients he has available.
 - When looking inside the fridge, Iván finds potatoes, bacon, legumes, chopped meat, cheese, and milk. He then enters Eat&Share and goes to the Search tab and filters by ingredients.
 - When doing the search, the system looks for all recipes that contain some of the ingredients, but nothing else. The first one seems attractive to Iván as it's a "Bacon & Cheese fries".
 - Then, he clicks on the desired recipe and clicks on the "Start Cooking" button. After that, the app shows him every step in order with checkboxes and a timer for each cooking step
- Report a recipe
 - Lucía is a professional chef and frequent user of Eat&Share. When looking for recipes to review them, she finds one that is an exact copy of one that she uploaded previously.
 - Annoyed by the stealing of her work, she clicks on the recipe and scrolls down until finding the "Report recipe" button.
 - When clicking on it, the following prompt is shown with different report reasons:
 - Instructions unclear
 - Inappropriate content
 - Plagiarism
 - Spam
 - Wrong recipe
 - Then, she selects the "Plagiarism" option, and she is asked if:
 - The recipe was took from one of another user
 - The recipe was took from her
 - After clicking the second option, she is asked about which recipe from her has been plagiarized and sends the report request.
 - Once it's been sent, an admin will review the report request and decide whether the alleged copy should be removed or not.