



NOVA SCHOOL OF
SCIENCE & TECHNOLOGY

Interação Pessoa-Máquina

2024/2025

EasyDish

Stage 1: Project proposal



Authors:

70242, Henrique Oliveira
71736, João Custódio
55119, Miguel Fontes
71991, Daniel Pojega

Lab class N° P2

Group N° 14

Professor:
Teresa Romão

Month 09, 2024

Problem description

Everyday, a lot of people struggle with cooking not only due to unclear recipes but also due to the complexity of some preparation methods. To follow a recipe, a clear and detailed guidance is needed to help understand the sequence of tasks and to adapt the recipe to their needs. Besides that, there are often many recipes that require a certain level of experience that is not reliably stated by those who use it, but by the person who presented it, which could not be very accurate. Some other problems that are frequently found while looking for a recipe or cooking could be, knowing which ingredients might be needed for a recipe, knowing what recipes could be done with an inventory of ingredients or knowing if a recipe might be safe to consume knowing the allergies of the consumer.

Target users

The target users are those that want to cook delicious meals but don't know which recipes they can follow. A target user for our project is basically anyone who wishes to cook, may it be a simple person with next to no experience or a chef that desires to help those in need.

Project goal

Our system will make it easier for the user to not only decide which recipe they can follow, with the current ingredients at their disposal, but also transform a potential "cooking nightmare" into a more straightforward, simple and pleasant experience.

Each recipe will have tags associated with it, a simple description, a list of ingredients and steps, and a comment section at the bottom. All the steps will have a video player separately, so even if the user is having difficulties on performing a specific step, they can watch the video and try to recreate what's shown in it. The purpose of the comment section is so that users can write about their opinions on the recipe, potential changes to the ingredient list and overall create a good way of user interaction.

The system will have a user homepage. In this page, they will be able to indicate food/ingredients they like/dislike and ingredients they might be allergic to, and tags they like (for example, vegan food), making their experience more personalized by only displaying recipes that they would like without having the hassle of scanning the ingredients list just to find if the recipe has ingredients they don't like/are allergic to.

Competitor(s)

There are several applications across the internet that serve the same purpose as our project, but the one that we found the most similar to ours is [SuperCook](#), which excels in simplicity. This website/app neatly organizes ingredients by categories, displaying recipes based on the ingredients chosen by the user, providing a good user experience. However, it suffers not only from poor image and text formatting but also from inconsistent ingredient displays where some lists are too long and others are too short. There are certain buttons that do not function as expected or are unclear in their purpose, causing confusion. An example of this is the ingredient collapse feature, which is intended to help users manage their list of ingredients. Rather than collapsing the whole list, it only hides a few ingredients while leaving the most part visible, disturbing the user's navigability.