Istanbul Bilgi University

Faculty of Engineering and Natural Sciences

Department of Computer Engineering

Proposal of Pıtırık Tarifler

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Contents

The Aim of the Project

This project aims to facilitate users finding recipes easily with the ingredients they have at home, enabling quick access to desired recipes while also preventing ingredient wastage. Additionally, it aims to simplify meal choices for indecisive users by providing daily menu suggestions. Pıtırık Tarifler is designed with a simple interface that users of all ages can comfortably navigate. This way, anyone, regardless of their level of experience in the kitchen, can quickly access recipes online and prepare fantastic meals with the ingredients available at home. This platform aims to make the cooking process more enjoyable while minimizing ingredient wastage, providing a more sustainable kitchen experience.

Importance of the Project

This project allows users to create customized recipe lists based on their kitchen inventory with a different approach from its counterparts. When users input the ingredients in their pantries into the system, they'll be able to easily generate recipes that can be prepared with those ingredients. Moreover, upon entering a specific recipe, they can view the missing ingredients, thus efficiently creating their shopping lists. Its web-based nature enables users to access the platform from any device, anytime, reducing paper consumption and offering an eco-friendly approach. By digitizing our users' kitchen experiences, we enhance their convenience while enabling them to act in an environmentally conscious manner.

Roles

Student's Name	**Role**
Celal Deniz Sinop	Backend Development
Emin Yalın	Frontend Development
Nisa Vapurlu	Backend Development
Olcay Tutan	Frontend Development
Sena Şimşek	Backend Development

Figure 1: Description of the roles for the group members

Timeline

Phase	**Task**	**Start & End Dates**
Planning	Determining features	28.10.2023-05.11.2023
Design and Development	Designing UML diagrams, creating a core template, applying features	05.11.2023-05.12.2023
Testing	Bug fixes and tests	05.12.2023-20.12.2023
Deployment	Deployment and promotion	20.12.2023-Deadline

Figure 2: Details and times of each phase

Requirements List

Identifier	Priority	Requirement
REQ1	2	The system should allow filing inquiries about “suspicious” accesses. This function shall be available over the Web.
REQ2	4	Ensuring that recipe categories are in the right place in the system and aligned with their respective interfaces.
REQ3	1	The recipe search history should be accessible within the system.
REQ4	5	The system should suggest recipes based on the ingredients available in the user's kitchen.
REQ5	4	The system should retain the information in the 'My Kitchen' section even after the user logs out.
REQ6	3	The system allows users to update their information at any time.

Figure 3: Explaining requirements and their priorities for the project

Design

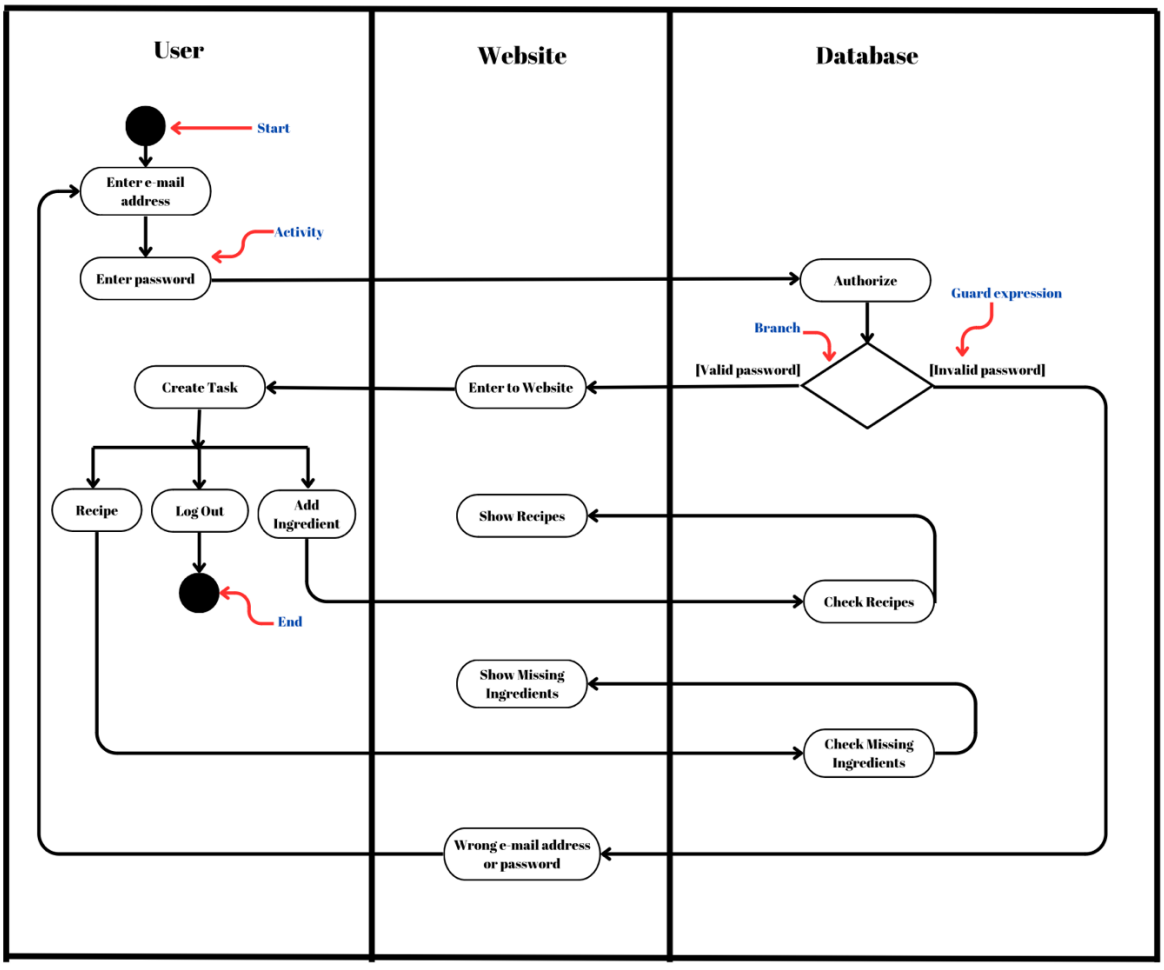

Figure 4: Activity Diagram

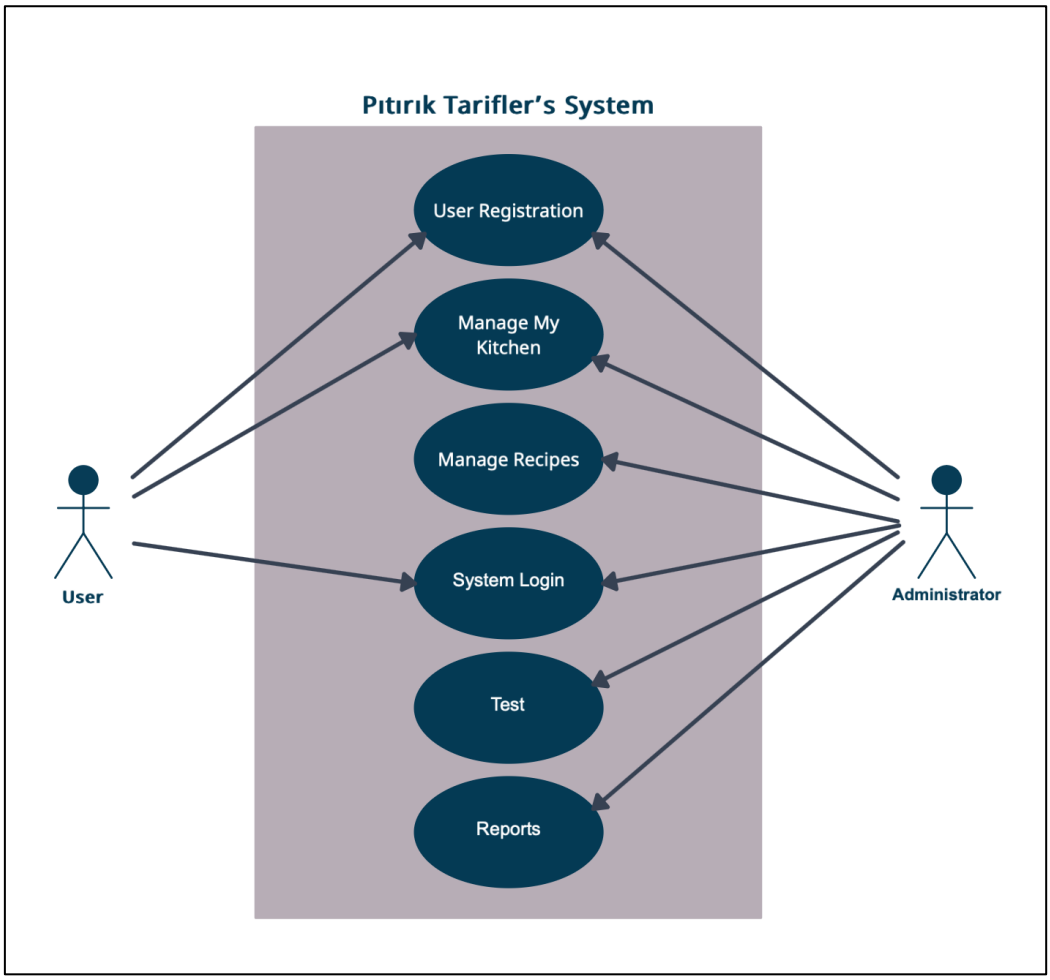

Figure 5: Use Case Diagram

Test Cases and Expected System Responses Table

Test Case Type	Description	Test Step	Expected Result	Status
Functionality	Ingredients should be addible and removable from 'My Kitchen' section.	Add or remove an ingredient from My Kitchen.	Ingredient is added or removed.	Pass or Fail
Security	Verify password rules are working.	Create a new password in accordance with rules.	The user's password will be accepted if it adheres to the rules.	Pass or Fail
Usability	Ensure all links are working properly.	Have users click on various links on the page.	Links will take users to another web page according to the on-page URL.	Pass or Fail

Figure 6: Expected situations and their testing

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