

# **SOFTWARE ENGINEERING**

## **PART 4**

### **DESIGN SPECIFICATION DOCUMENT**

**TARİFİ BENDE**

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# **1.) Introduction**

Our website's name is 'Tarifi Bende'. We are going to design this website because of requirements. Anyone wants to reach related information in one hand. Thanks to this site everyone can attain different types of meals at only one website. In this section we are going to talk about our project's aim, scope, acronyms and abbreviations.

## **1.1) Purpose**

Our website's purpose is to bring people together in a virtual world and share their recipes with other users. Also thanks to this website we are going to plan a small and enjoyable competition between housewives. They will take grade from other users and try to become the first of the week, month and year. Another aim is to teach something about recipes to people who don't know about meals or learn tricks of specific meals.

## **1.2) Scope**

Our website helps the users in order to access information about the meals in a quick way. Nowadays, everyone does their job in the internet and almost no one utilizes from paper and pencil in daily routine life. That's why users can easily access information about meals and cooking tricks from our website without using any tools. By this way people will not spend time for this issue thanks to our site.

'TarifiBende.com' will not contain any erroneous information about meals and recipes. Also some messages may be forbidden from the administrator for their inappropriate contents. For this point our website will be reliable for every user.

## **1.3) Definitions, Acronyms & Abbreviations**

User: A person who wants to share its recipe or comments to other users. There will be two types of user. 'Visitor' and 'Website's User'

Website's User: A real user which can share recipe and comments in the website to other users in order to inform them.

Visitor: A guest user which can only see recipe and comments. This type of users can not share any recipe or comments unlike real users. If they register to our system, then they will become a real user.

Administrator: A person who checks recipes and comments about the meals and determines whether comment or recipe acceptable or not.

ASP.NET: A technology for developing new generation web programs.

MS Sql: A type of database which will store information about meals, comments, info etc.

C#: Object oriented programming language which executes in Microsoft platform.

## **1.4) References**

- Ian Sommerville 'Software Engineering'
- Requirement Specification Template

## **2.) Design Considerations**

### **2.1) Design Assumptions**

The user group of our system is assumed have knowledge about using and surfing the internet. Also there is no limitation in order to enter our website. Customers can access the site from any platforms as long as the internet connection is not broken.

### **2.2) Design Considerations**

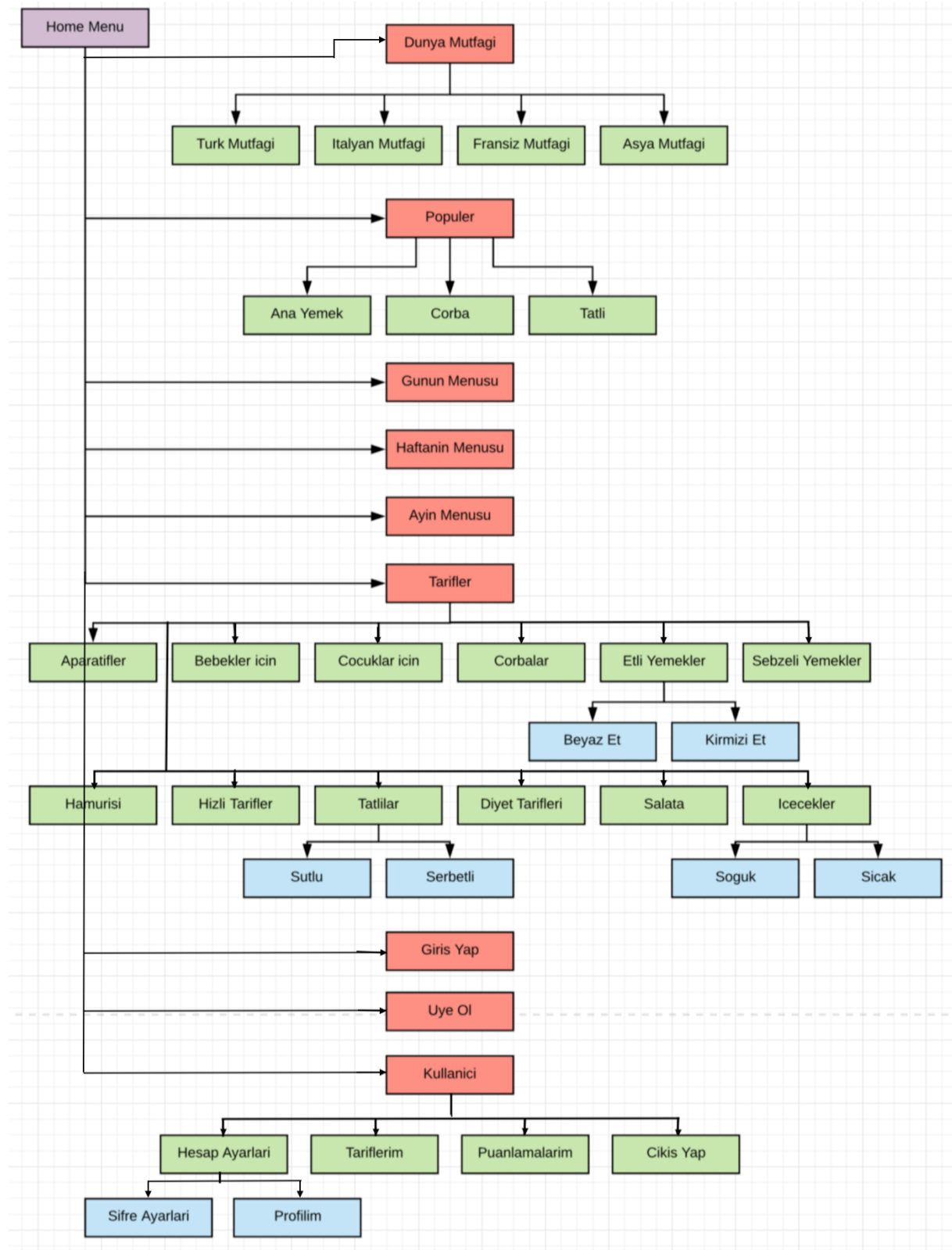
We are going to design our website as user-friendly as possible. For this consideration first of all we will make a fascinating homepage in order to affect our customer. We are not going to use too much text or information, just small and effective knowledges. On the other hand we are trying to append interactive elements to encourage our visitors to explore other contents on our site. Additionally, we'll make a meal website. That's why colors and images are very crucial to impact our customers. We are going to focus on this issue while designing our site.

### **2.3) System Environment**

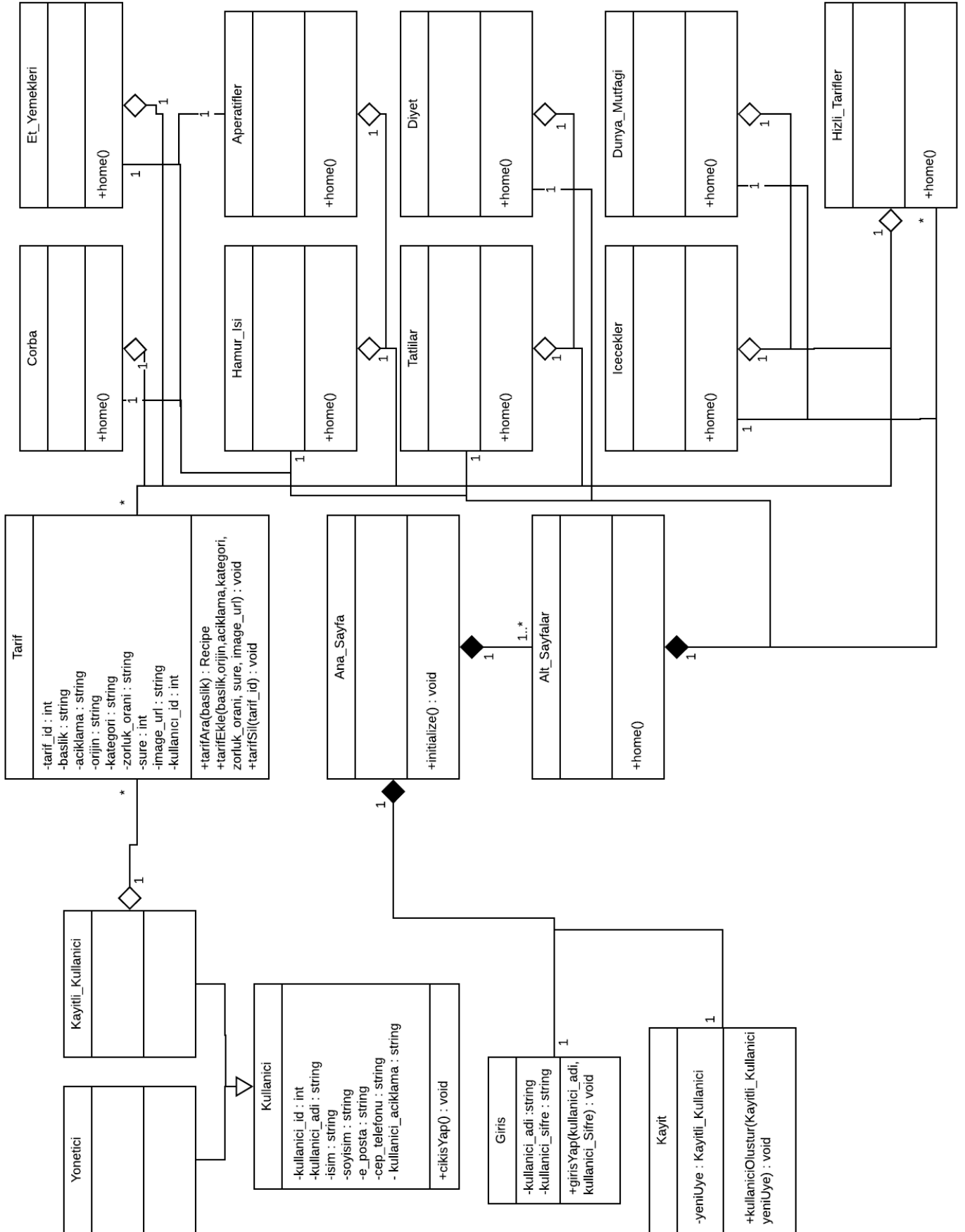
Website will be developed on Microsoft Visual Studio with using ASP.NET technology. We are going to keep our data in the database. (MS Sql) Our users need to have internet connection in order to enter the website. Our website is accessible for customer who connects to the internet such as mobile device, smart-phone, tablets, computers etc.

### 3.) System Design

#### 3.1) Architectural System Design



### 3.2) Class Diagram



## **4.) Conclusion**

In summary, the application will run on devices that have internet. The application will have the highest possible ease of use and practicality as the it requires quick interaction during cooking. All graphical components will be self-explanatory and easily accessible.

## **5.) Sharing Of Duties**

In the 4<sup>th</sup> step of the project, initially we came together and debated about the design specific document. Then we told about our opinions to each other in order to make our project better. Later we decided to divide this step into 3 parts. For the first question we made some small arrangements together. ‘Design Consideration’ part is made by Emin Ahmet Yazıcı. Then ‘System Design’ and ‘Architectural System Design’ sections are made by Burak Ruşen. Final part of this step (Class Diagram and Conclusion) is made by Emrullah Başoda. After all, again we came together and discussed our answers for these questions. Finally, if necessary we made some small adjustments to the specific questions.