SOFTWARE PROJECT MANAGEMENT PLAN

FOR

ONLINE ORDERING SYSTEM

Prepared By

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CHANGE HISTORY

This document is the first version of *ONLINE ORDERING SYSTEM*, Software Project Management Plan that was released on December, 2021. The subsequent changes will be mentioned in this part of the Software Project Management Plan.

PREFACE

The document contains the Software Project Management Plan of *ONLINE ORDERING SYSTEM*. The mission of the project is to develop a web-based ordering system for CEN421-System Analysis and Design Course given by Havva Esin Ünal.

The goal of the Software Project Management Plan is to define the technical and managerial processes necessary to develop software work products that the *ONLINE ORDERING SYSTEM* requirements. This system is prepared according to IEEE standard **[1]**. The Software Project Management Plan is in content compliance with the IEEE standard 1058-1998 in which the contents of this standard are rearranged and a mapping is provided. That is, the content compliant Software Project Management Plan is mapped into various clauses and subclauses of the IEEE standard 1058-1998.

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

1. OVERVIEW

1.1 Project Summary

1.1.1 Purpose, Scope and Objectives

Online Ordering System is a website designed primarily for use in the food delivery industry. Through these services, restaurants can sell and distribute their food/meal at minimal resource usage effectively with high profits by gaining the customer's trust.

We want to solve this problem by using an online ordering system for restaurants. This will provide users to offer meals from restaurants in two ways:

- in restaurant
- to your home

The first issue our application will solve is stop spreading of coronavirus because when you are talking to waiter it's unsafe some of them not use masks and other personal care. Some people also don't want to interact with someone because some waiters are not kind. The second issue are project will solve is saving time for people because when they will order food for the application into 15 minutes of their time.

The objectives of the Online Ordering System are;

- Saving time for both the customer and the restaurant,
- Eliminating communication difficulties in a way that appeals to everyone,
- Keeping the level of hygiene and cleanliness high.

The scope of the Online Ordering System

- Customers can make their payments at the website and not with the waiter or waitress who took the order.
- The proposed system is customized for restaurants in the processing and management of the menu order system by accessing the website, and the payment section on the website is customized for the use of customers.

1.1.2 Assumptions and Constraints

The assumptions of the project are;

- The team DIGII consists of 5 (five) people that work on this Online Ordering System Project.
- The correspondence of the documentation produced to the IEEE Standards **[1, 2, 3, 4]** is subcontracted by team Dream Squad.

The constraints of the project are;

- The schedule of the project is predefined by the Supervisor.
- There is no budget and investor. For hardware and software needs existing resources of DIGII will be used.
- Since the project is being developed as part of the undergraduate course CEN421-System Analysis and Design, there will be no payment to DIGII.
- Since it is possible to have users from all over the world, the ONLINE ORDERING SYSTEM will be a web-based platform independent.
- The software development processes and any kind of documentation will be in compliance with the IEEE Standards **[1, 2, 3, 4]**.

1.1.3 Project Deliverables

- ***Problem Statement Report & Presentation:*** The problem statement report of the project was prepared and submitted to DIGII Team in Microsoft Teams until October 25th, 2021. Besides, required explanations were given to the supervisor about the project.
- ***Initial Plan Delivery:*** The document will be prepared and submitted to DIGII Team in Microsoft Teams until November 1st, 2021.

- ***Initial Plan Review Report:*** The subcontractors will review the Initial Plan until November 5th, 2021. Then Initial Plan Review Report will be prepared by the subcontractors and will be sent to Microsoft Teams. Also, DIGII will review the Initial Plan of the subcontractors until November 5th, 2021 and will be sent to Microsoft Teams.

- ***SRS Delivery:*** The document will be prepared and submitted to DIGII Team in Microsoft Teams until November 15th, 2021.

- ***SRS Review Report:*** The subcontractors will review SRS until November 19th, 2021. Then SRS Review Report will be prepared by the subcontractors and will be sent to Microsoft Teams. Also, DIGII will review the SRS of the subcontractors until November 19th, 2021 and will be sent to Microsoft Teams.

- ***SPMP Delivery:*** The document will be prepared and submitted to DIGII Team in Microsoft Teams until December 6th, 2021.

- ***SPMP Review Report:*** The subcontractors will review SPMP until December 10th, 2021. Then SPMP Review Report will be prepared by the subcontractors and will be sent to Microsoft Teams. Also, DIGII will review the SPMP of the subcontractors until December 10th, 2021 and will be sent to Microsoft Teams.

- ***SDD Delivery:*** The document will be prepared and submitted to DIGII Team in Microsoft Teams until December 20th, 2021.

- ***SDD Review Report:*** The subcontractors will review SDD until December 24th, 2021. Then, SDD Review Report will be prepared by the subcontractors and will be sent to Microsoft Teams. Also, DIGII will review the SDD of the subcontractors until December 24th, 2021 and will be sent to Microsoft Teams.

- ***Delivery of Updated Reports:*** The updated reports will be delivered on December 31st, 2021.

- ***Project Presentation:*** The project will be presented January 3rd, 2022.

1.1.4 Schedule and Budget Summary

Deadline of the project is given in the following table.

Due Date	Document/Activity Name
25.10.2021	Problem Statement Report &Presentation
01.11.2021	Initial Plan Delivery
05.11.2021	Initial Plan Review Report
15.11.2021	SRS Delivery
19.11.2021	SRS Review Report
06.12.2021	SPMP Delivery
10.12.2021	SPMP Review Report
20.12.2021	SDD Delivery
24.12.2021	SDD Review Report
31.12.2021	Delivery of Updated Reports
03.01.2022	Project Presentation

Table 1: Deadline of the Project

No budget is associated with ONLINE ORDERING SYSTEM. For hardware and software needs existing resources of DIGII will be used.

1.2 Evolution of the SPMP

This is the first version of the Software Project Management Plan where subsequence changes will be mentioned in this part of the Updated Software Project Management Plan. The table below shows the updates which are planned to be done to the Software Project Management Plan. **[Table 2]**

Due Date	Document / Review Type
01.11.2021	Initial Plan Delivery
06.12.2021	SPMP Delivery
31.12.2021	Updated Initial Plan Delivery
31.12.2021	Updated SPMP Delivery

Table 2: Update Plan of the Software Project Management Plan

2. REFERENCES

[1] IEEE Std 1058-1998, IEEE Standard for Software Management Plans.

[2] IEEE Std 830-1998. IEEE Recommended Practice for Software Requirements Specifications

[3] IEEE Std 1016-1998, IEEE Recommended Practice for Software Design Descriptions

[4] IEEE Std 1063-1998, IEEE Standard for Software User Documentation

[5] Project Management Organizational Structures: **link**

[6] Essential Guide to Project Organizational Structure: **link**

3. DEFINITIONS

Administrators: Developers of the project. (Members of DIGII)

Customers: The people who order.

Deliverers: Meal deliverers like waiters or motorcycle courier.

DIGII: Software development and project team of ONLINE ORDERING SYSTEM.

Dream Squad: Subcontractor of DIGII.

IEEE: Institute of Electrics & Electronics Engineering.

Restaurants: Places that receive the orders.

SDD: Software Design Description

SPMP: Software Project Management Plan

SRS: Software Requirements Specification.

Subcontractor: Another project team, which carry out the quality assurance of the project.

Supervisor: The instructor of the CEN421 - System Analysis and Design lecture (named Havva Esin Ünal)

Team DIGII: The team in Microsoft Teams that is created by the supervisor.

WBS: Work Breakdown Structure

4. PROJECT ORGANIZATION

4.1 External Interfaces

The external interfaces of the ONLINE ORDERING SYSTEM are given in the Figure 1 below.

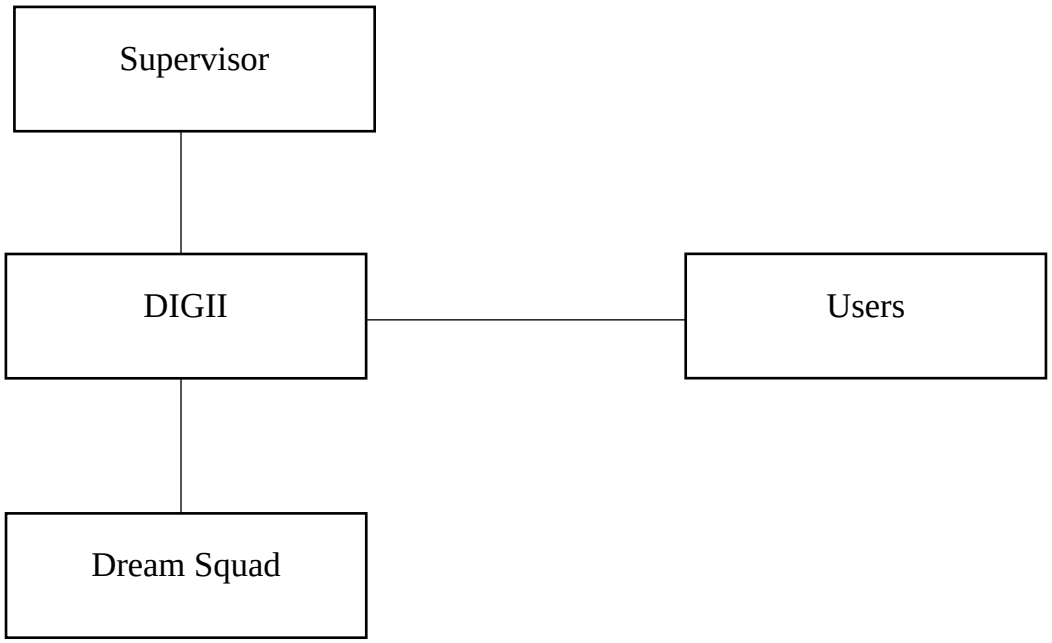

Figure 1: External Interfaces of the Online Ordering System

List of Responsible People to Contact

- **DIGII:** Software development and project team of ONLINE ORDERING SYSTEM. (İrem Yuvalı, İrem Bolat, Duygu Ada Divle, Gizem Erdoğan, Ivan Kuznetsov)
- **Dream Squad:** The quality control subcontractor of DIGII. (Merve Gözüm, Oğuzhan İnanmış, Deniz Yılmaz Gürbüz, Mirmardan Mammadov)
- **Supervisor:** The instructor of the CEN421 - System Analysis and Design lecture (named Havva Esin Ünal)
- **Users:** Customers, Restaurants, Deliverers, Administrators.

4.2 Internal Structure

Since responsibility of the project is shared among the members of DIGII, it is a project based organization **[5][6]**. The internal structure of the project organization is given in Figure 2.

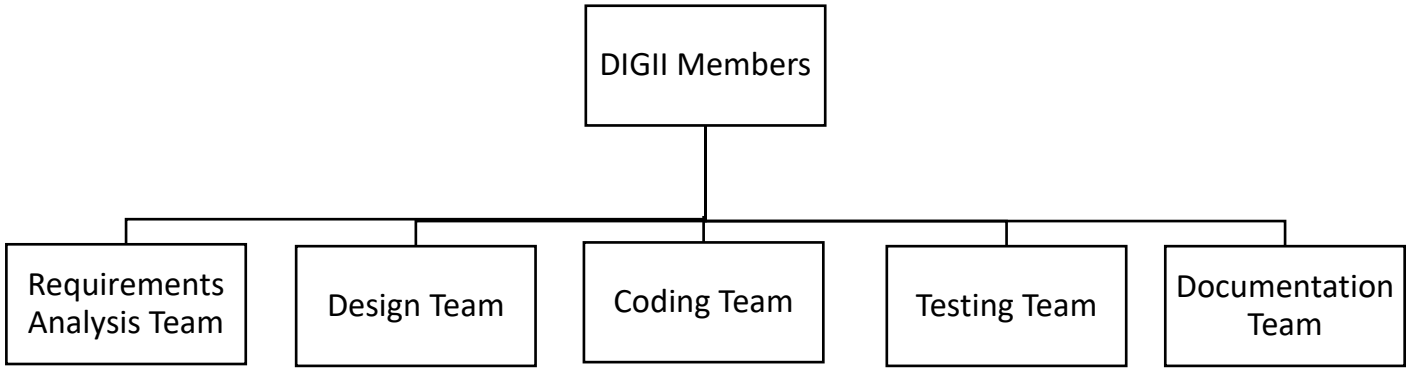

Figure 2: The Internal Structure of the Project Developing Organization

4.3 Roles and Responsibilities

4.3.1 External Entities

Supervisor: The instructor of the course, which will define the requirements for the project and will approve and accept both the product deliverables and the final product.

Subcontractor: It is the project team, which carries out the quality assurance of the project. In this regard, it is responsible from the preparation of review reports for the project documentation.

Users: They are the people, who will use the system namely, customers, restaurants, deliverers and administrators.

4.3.2 Internal Entities

The internal entities of the team DIGII are given in the following table below.

Names	E-Mail Addresses	Roles & Responsibilities
İrem Yuvalı	irem.yuvali@gmail.com	• Representative of the team DIGII • Requirements engineer • Designer • Programmer • Test engineer • Documentation team member
İrem Bolat	irembolat5@gmail.com	• Requirements engineer • Designer • Programmer • Test engineer • Documentation team member
Duygu Ada Divle	duyguadadivle@gmail.com	• Requirements engineer • Designer • Programmer • Test engineer • Documentation team member
Gizem Erdoğan	gizemerdogan098@gmail.com	• Requirements engineer • Designer • Programmer • Test engineer • Documentation team member
Ivan Kuznetsov	ivan.kuz.cs@gmail.com	• Requirements engineer • Designer • Programmer • Test engineer • Documentation team member

Table 3: Internal Entities of DIGII

Requirements Analysis Team: is responsible from collecting and documenting the system requirements as a whole.

Design Team: is responsible from planning how the required system functionality is to be provided.

Coding Team: is responsible from realizing the products designed.

Testing Team: is responsible from verifying that the developed system represents the requirements in a complete and correct manner.

Documentation Team: is responsible from preparing the system documentations intended for different audiences.

5. MANAGERIAL PROCESS PLANS

5.1 Staffing Plan

As there are only five members of the DIGII team, all members will work at every stage of the project. Online Ordering System phases is shown in Table 1.

No other members will get involved, five people will complete the whole project. The estimated monthly staff requirement is shown in Figure 3.

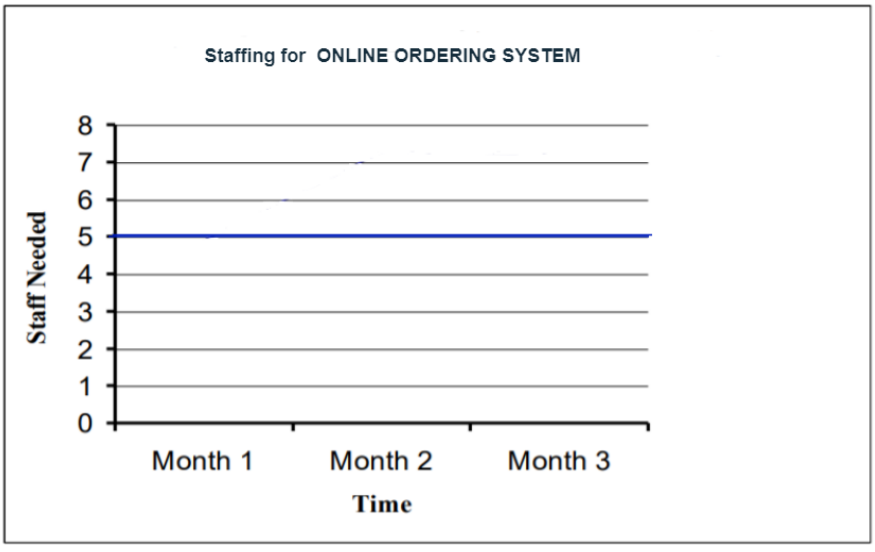

Figure 3: Staffing for Online Ordering System Project

5.2 Resources Acquisition Plan

- In the first parts of the project, free platforms are used. In the later parts of the project, if necessary, paid platforms will be used.
- For any kind of hardware and software needs the existing resources of DIGII will be used.

5.3 Project Staff Training Plan

The staff training plan of the team DIGII is given in the following table below.

Subjects	Entry Criteria	Exit Criteria	Training Method
Python	Understanding of Python syntax	Availability to build default Django application	Online Courses
PostgreSQL	Ability to write SQL queries	Ability to integrate PostgreSQL into python code	Online Courses & Ivan Kuznetsov
HTML/CSS/JS	Understanding of how all technologies interact with each other	Ability to use JS frameworks to write application frontend part	Online Courses
Unit Testing	Understanding of what unit testing is	Write unit tests for python application	Lecture & Online Courses

Table 4: Staff Training Plan

5.4 Work Plan

- The Work Breakdown Structure (WBS) of the Online Ordering System is given in the following table below.

[Table 5: WBS of the Online Ordering System]

Level 0	Level 1	Level 2	Level 3
1. Online Ordering System	1.1 Reports	1.1.1 Problem Statement Report	1.1.1.1 Problem Statement Report
		1.1.2 Initial Plan Report	1.1.2.1 Training for IEEE Std. 1058-1998 (for Initial Plan)
			1.1.2.2 Writing Initial Plan documentation
			1.1.2.3 Review meeting for Initial Plan documentation
			1.1.2.4 Initial Plan Review Report
			1.1.2.5 Update the Initial Plan documentation
		1.1.3 SRS Report	1.1.3.1 Training for IEEE Std. 830-1998 (for SRS)
			1.1.3.2 Writing of the SRS documentation
			1.1.3.3 Review meeting for SRS documentation
			1.1.3.4 SRS Review Report
			1.1.3.5 Update of the SRS documentation
		1.1.4 SPMP Report	1.1.4.1 Training for IEEE Std. 1058-1998 (for SPMP)
			1.1.4.2 Writing of the SPMP documentation
			1.1.4.3 Review meeting for SPMP documentation
			1.1.4.4 SPMP Review Report
			1.1.4.5 Update of the SPMP documentation
		1.1.5 SDD Report	1.1.5.1 Training for IEEE Std. 1016-1998 (for SDD)
			1.1.5.2 Writing of the SDD documentation
			1.1.5.3 Review meeting for SDD documentation
			1.1.5.4 SDD Review Report
			1.1.5.5 Update of the SDD documentation
	1.2 Server side	1.2.1 Training	1.2.1.1 Training for Python Programming language and its Django Framework
			1.2.1.2 Training for the PostgreSQL for database
		1.2.2 Design	1.2.2.1 Design of the communication protocol between client & server sides
			1.2.2.2 Design of the database
			1.2.2.3 Design of the user authentication function
			1.2.2.4 Design of the user update / delete functions
			1.2.2.5 Design of the add / delete restaurant functions
			1.2.2.6 Design of the manage menu of restaurant function
			1.2.2.7 Design of the Search for a restaurant function
			1.2.2.8 Design of the Order a meal function
			1.2.2.9 Design of the give restaurant feedback function
			1.2.2.10 Design of the help request form function

		1.2.3 Coding	1.2.3.1 Setting communications protocols between client & server sides
			1.2.3.2 Coding the database
			1.2.3.3 Coding the user authentication function
			1.2.3.4 Coding the user update / delete functions
			1.2.3.5 Coding the add / delete restaurant functions
			1.2.3.6 Coding the manage menu of restaurant function
			1.2.3.7 Coding the Search for a restaurant function
			1.2.3.8 Coding the Order a meal function
			1.2.3.9 Coding the give restaurant feedback function
			1.2.3.10 Coding the help request form function
	1.3 Client side	1.3.1 Training	1.3.1.1 HTML/CSS Trainings
			1.3.1.2 JS Trainings
		1.3.2 Design	1.3.2.1 Design of the user authentication page
			1.3.2.2 Design of user modification / deletion page (aka settings)
			1.3.2.3 Design of restaurant addition page
			1.3.2.4 Design of restaurant modification / deletion page
			1.3.2.5 Design of main page of application
		1.3.3 Coding	1.3.3.1 Coding the user authentication page
			1.3.3.2 Coding user modification / deletion page (aka settings)
			1.3.3.3 Coding restaurant addition page
			1.3.3.4 Coding restaurant modification / deletion page
			1.3.3.5 Coding main page of application
	1.4 Testing	1.4.1 Training	1.4.1.1 Training for measuring code quality
			1.4.1.2 Training for testing purposes
		1.4.2 Integration testing	1.4.2.1 Testing of the Online Ordering System
		1.4.3 Unit testing	1.4.3.1 Testing of the user authentication function
			1.4.3.2 Testing of the user modification / deletion function
			1.4.3.3 Testing of the add restaurant function
			1.4.3.4 Testing of the delete restaurant function
			1.4.3.5 Testing of the manage menu of restaurant function
			1.4.3.6 Testing of the Search for a restaurant function
			1.4.3.7 Testing of the Order a meal function
			1.4.3.8 Testing of the give restaurant feedback function
			1.4.3.9 Testing of the help request form function
	1.5 Delivery		1.5.1 Delivery of initial product
			1.5.2 Review meeting for the initial product with the customer
			1.5.3 Control of the quality of the initial product
			1.5.4 Control of the quality of generated code
			1.5.5 Preparation of the User Manual
			1.5.6 Product Demonstration
			1.5.7 Delivery of the final product

- Work activity list of the Online Ordering System is given on the table below.

ID	WBS	WORK ACTIVITY LIST
1.	1.1.1.1	Problem Statement Report
2.	1.1.2.1	Training for IEEE Std. 1058-1998 (for Initial Plan)
3.	1.1.2.2	Writing Initial Plan documentation
4.	1.1.2.3	Review meeting for Initial Plan documentation
5.	1.1.2.4	Initial Plan Review Report
6.	1.1.2.5	Update the Initial Plan documentation
7.	1.1.3.1	Training for IEEE Std. 830-1998 (for SRS)
8.	1.1.3.2	Writing of the SRS documentation
9.	1.1.3.3	Review meeting for SRS documentation
10.	1.1.3.4	SRS Review Report
11.	1.1.3.5	Update of the SRS documentation
12.	1.1.4.1	Training for IEEE Std. 1058-1998 (for SPMP)
13.	1.1.4.2	Writing of the SPMP documentation
14.	1.1.4.3	Review meeting for SPMP documentation
15.	1.1.4.4	SPMP Review Report
16.	1.1.4.5	Update of the SPMP documentation
17.	1.1.5.1	Training for IEEE Std. 1016-1998 (for SDD)
18.	1.1.5.2	Writing of the SDD documentation
19.	1.1.5.3	Review meeting for SDD documentation
20.	1.1.5.4	SDD Review Report
21.	1.1.5.5	Update of the SDD documentation
22.	1.2.1.1	Training for Python Programming language and its Django Framework
23.	1.2.1.2	Training for the PostgreSQL for database
24.	1.2.2.1	Design of the communication protocol between client & server sides

25.	1.2.2.2	Design of the database
26.	1.2.2.3	Design of the user authentication function
27.	1.2.2.4	Design of the user update / delete functions
28.	1.2.2.5	Design of the add / delete restaurant functions
29.	1.2.2.6	Design of the manage menu of restaurant function
30.	1.2.2.7	Design of the Search for a restaurant function
31.	1.2.2.8	Design of the Order a meal function
32.	1.2.2.9	Design of the give restaurant feedback function
33.	1.2.2.10	Design of the help request form function
34.	1.2.3.1	Setting communications protocols between client & server sides
35.	1.2.3.2	Coding the database
36.	1.2.3.3	Coding the user authentication function
37.	1.2.3.4	Coding the user update / delete functions
38.	1.2.3.5	Coding the add / delete restaurant functions
39.	1.2.3.6	Coding the manage menu of restaurant function
40.	1.2.3.7	Coding the Search for a restaurant function
41.	1.2.3.8	Coding the order a meal function
42.	1.2.3.9	Coding the give restaurant feedback function
43.	1.2.3.10	Coding the help request form function
44.	1.3.1.1	HTML/CSS Trainings
45.	1.3.1.2	JS Trainings
46.	1.3.2.1	Design of the user authentication page
47.	1.3.2.2	Design of user modification / deletion page (aka settings)
48.	1.3.2.3	Design of restaurant addition page
49.	1.3.2.4	Design of restaurant modification / deletion page
50.	1.3.2.5	Design of main page of application
51.	1.3.3.1	Coding the user authentication page

52.	1.3.3.2	Coding user modification / deletion page (aka settings)
53.	1.3.3.3	Coding restaurant addition page
54.	1.3.3.4	Coding restaurant modification / deletion page
55.	1.3.3.5	Coding main page of application
56.	1.4.1.1	Training for measuring code quality
57.	1.4.1.2	Training for testing purposes
58.	1.4.2.1	Testing of the Online Ordering System
59.	1.4.3.1	Testing of the user authentication function
60.	1.4.3.2	Testing of the user modification / deletion function
61.	1.4.3.3.	Testing of the add restaurant function
62.	1.4.3.4	Testing of the delete restaurant function
63.	1.4.3.5	Testing of the manage menu of restaurant function
64.	1.4.3.6	Testing of the Search for a restaurant function
65.	1.4.3.7	Testing of the Order a meal function
66.	1.4.3.8	Testing of the give restaurant feedback function
67.	1.4.3.9	Testing of the help request form function
68.	1.5.1	Delivery of initial product
69.	1.5.2	Review meeting for the initial product with the customer
70.	1.5.3	Control of the quality of the initial product
71.	1.5.4	Control of the quality of generated code
72.	1.5.5	Preparation of the User Manual
73.	1.5.6	Product Demonstration
74.	1.5.7	Delivery of the final product

Table 6: Work Activity List of the Online Ordering System

5.5 Work Activities

1)

ID	1
NAME	Problem Statement Report
WBS	1.1.1.1
ESTIMATED DURATION	2 days
PREDECESSORS	-
SUCCESSORS	-
START DATE	23.10.2021
END DATE	24.10.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Identifying the problem and explaining the project using the system context diagram.

2)

ID	2
NAME	Training for IEEE Std. 1058-1998 (for Initial Plan)
WBS	1.1.2.1
ESTIMATED DURATION	1 day
PREDECESSORS	-
SUCCESSORS	3 (1.1.2.2)
START DATE	25.10.2021
END DATE	25.10.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Analyzing IEEE standards for Initial Plan

3)

ID	3
NAME	Writing of the Initial Plan documentation
WBS	1.1.2.2
ESTIMATED DURATION	1 week
PREDECESSORS	2 (1.1.2.1)
SUCCESSORS	4 (1.1.2.3)
START DATE	25.10.2021
END DATE	01.11.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The goal of the initial plan is to describe overall picture of the ONLINE ORDERING SYSTEM

4)

ID	4
NAME	Review meeting for Initial Plan documentation
WBS	1.1.2.3
ESTIMATED DURATION	1 day
PREDECESSORS	5 (1.1.2.4)
SUCCESSORS	6 (1.1.2.5)
START DATE	08.11.2021
END DATE	08.11.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Missing parts of the subcontractors' report are detected, discussed and reported.

5)

ID	5
NAME	Initial Plan Review Report
WBS	1.1.2.4
ESTIMATED DURATION	4 days
PREDECESSORS	3 (1.1.2.2)
SUCCESSORS	4 (1.1.2.3)
START DATE	02.11.2021
END DATE	05.11.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Missing parts of the report are detected and reported.

6)

ID	6
NAME	Update of the Initial Plan documentation
WBS	1.1.2.5
ESTIMATED DURATION	8 weeks
PREDECESSORS	4 (1.1.2.3)
SUCCESSORS	13 (1.1.4.2)
START DATE	08.11.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The Initial plan report is edited according to the reviews.

7)

ID	7
NAME	Training for IEEE Std. 830-1998 (for SRS)
WBS	1.1.3.1
ESTIMATED DURATION	1 day
PREDECESSORS	-
SUCCESSORS	8 (1.1.3.2)
START DATE	01.11.2021
END DATE	01.11.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Analyzing IEEE standards for SRS

8)

ID	8
NAME	Writing of the SRS documentation
WBS	1.1.3.2
ESTIMATED DURATION	2 weeks
PREDECESSORS	7 (1.1.3.1)
SUCCESSORS	10 (1.1.3.4)
START DATE	01.11.2021
END DATE	15.11.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The scope includes the functional, performance and operational requirements of the Online Ordering System.

9)

ID	9
NAME	Review meeting for SRS documentation
WBS	1.1.3.3
ESTIMATED DURATION	1 day
PREDECESSORS	10 (1.1.3.4)
SUCCESSORS	11 (1.1.3.5)
START DATE	29.11.2021
END DATE	29.11.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Missing parts of the subcontractors' report are detected, discussed and reported.

10)

ID	10
NAME	SRS Review Report
WBS	1.1.3.4
ESTIMATED DURATION	4 days
PREDECESSORS	8 (1.1.3.2)
SUCCESSORS	9 (1.1.3.3)
START DATE	16.11.2021
END DATE	19.11.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Missing parts of the report are detected and reported.

11)

ID	11
NAME	Update of the SRS documentation
WBS	1.1.3.5
ESTIMATED DURATION	4 weeks
PREDECESSORS	9 (1.1.3.3)
SUCCESSORS	-
START DATE	29.11.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The SRS report is edited according to the reviews.

12)

ID	12
NAME	Training for IEEE Std. 1058-1998 (for SPMP)
WBS	1.1.4.1
ESTIMATED DURATION	1 day
PREDECESSORS	-
SUCCESSORS	13 (1.1.4.2)
START DATE	15.11.2021
END DATE	15.11.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Analyzing IEEE standards for SPMP report.

13)

ID	13
NAME	Writing of the SPMP documentation
WBS	1.1.4.2
ESTIMATED DURATION	3 weeks
PREDECESSORS	12 (1.1.4.1)
SUCCESSORS	15 (1.1.4.4)
START DATE	15.11.2021
END DATE	06.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The SPMP report includes a concise summary of the project objectives, major work activities, required resources, and budget.

14)

ID	14
NAME	Review meeting for SPMP documentation
WBS	1.1.4.3
ESTIMATED DURATION	1 day
PREDECESSORS	15 (1.1.4.4)
SUCCESSORS	16 (1.1.4.5)
START DATE	13.12.2021
END DATE	13.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Missing parts of the subcontractors' report are detected, discussed and reported.

15)

ID	15
NAME	SPMP Review Report
WBS	1.1.4.4
ESTIMATED DURATION	4 days
PREDECESSORS	13 (1.1.4.2)
SUCCESSORS	14 (1.1.4.3)
START DATE	07.12.2021
END DATE	10.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Missing parts of the report are detected and reported.

16)

ID	16
NAME	Update of the SPMP documentation
WBS	1.1.4.5
ESTIMATED DURATION	3 weeks
PREDECESSORS	14 (1.1.4.3)
SUCCESSORS	-
START DATE	13.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The SPMP report is edited according to the reviews.

17)

ID	17
NAME	Training for IEEE Std. 1016-1998 (for SDD)
WBS	1.1.5.1
ESTIMATED DURATION	1 day
PREDECESSORS	-
SUCCESSORS	18 (1.1.5.2)
START DATE	06.12.2021
END DATE	06.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Analyzing IEEE standards for SDD.

18)

ID	18
NAME	Writing of the SDD documentation
WBS	1.1.5.2
ESTIMATED DURATION	2 weeks
PREDECESSORS	17 (1.1.5.1)
SUCCESSORS	20 (1.1.5.4)
START DATE	6.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The purpose of SDD is to provide a low-level description of the Online Ordering System, providing insight into the structure and design of each component.

19)

ID	19
NAME	Review meeting for SDD documentation
WBS	1.1.5.3
ESTIMATED DURATION	1 day
PREDECESSORS	20 (1.1.5.4)
SUCCESSORS	21 (1.1.5.5)
START DATE	27.12.2021
END DATE	27.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Missing parts of the subcontractors' report are detected, discussed and reported.

20)

ID	20
NAME	SDD Review Report
WBS	1.1.5.4
ESTIMATED DURATION	4 days
PREDECESSORS	18 (1.1.5.2)
SUCCESSORS	19 (1.1.5.3)
START DATE	21.12.2021
END DATE	24.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Missing parts of the report are detected and reported.

21)

ID	21
NAME	Update of the SDD documentation
WBS	1.1.5.5
ESTIMATED DURATION	4 days
PREDECESSORS	19 (1.1.5.3)
SUCCESSORS	-
START DATE	27.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The SDD report is edited according to the reviews.

22)

ID	22
NAME	Training for Python Programming language and its Django Framework
WBS	1.2.1.1
ESTIMATED DURATION	2 weeks
PREDECESSORS	-
SUCCESSORS	36(1.2.3.3), 37(1.2.3.4), 38(1.2.3.5), 39(1.2.3.6), 40(1.2.3.7), 41(1.2.3.8), 42(1.2.3.9), 43(1.2.3.10)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	As group members, training will be held on Python Programming language and its Django Framework.

23)

ID	23
NAME	Training for the PostgreSQL for database
WBS	1.2.1.2
ESTIMATED DURATION	2 weeks
PREDECESSORS	-
SUCCESSORS	35 (1.2.3.2)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Writing basic queries and retrieving data from tables. We will also explore the logic of SQL Joins, and a few best practices which are essential while working in real-world, production PostgreSQL database.

24)

ID	24
NAME	Design of the communication protocol between client & server sides
WBS	1.2.2.1
ESTIMATED DURATION	2 weeks
PREDECESSORS	18 (1.1.5.2)
SUCCESSORS	34 (1.2.3.1)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We will design client-server characteristics that describe the relationship in our program.

25)

ID	25
NAME	Design of the database
WBS	1.2.2.2
ESTIMATED DURATION	2 weeks
PREDECESSORS	18 (1.1.5.2)
SUCCESSORS	35 (1.2.3.2)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	As designers, we are determine what data should be stored and how data items relate to each other.

26)

ID	26
NAME	Design of the user authentication function
WBS	1.2.2.3
ESTIMATED DURATION	2 weeks
PREDECESSORS	18 (1.1.5.2)
SUCCESSORS	36 (1.2.3.3)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to design user authentication as one of the core principles of security.

27)

ID	27
NAME	Design of the user update/delete functions
WBS	1.2.2.4
ESTIMATED DURATION	2 weeks
PREDECESSORS	18 (1.1.5.2)
SUCCESSORS	37 (1.2.3.4)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	When we are building the application, we want our models to provide two basic types of functionality. The module must be able to update and delete resources.

28)

ID	28
NAME	Design of the add/delete restaurant functions
WBS	1.2.2.5
ESTIMATED DURATION	2 weeks
PREDECESSORS	18 (1.1.5.2)
SUCCESSORS	38 (1.2.3.5)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	When we are building the application, we want our models to provide two basic types of functionality. The model must be able to add and delete resources

29)

ID	29
NAME	Design of the manage menu of restaurant function
WBS	1.2.2.6
ESTIMATED DURATION	2 weeks
PREDECESSORS	18 (1.1.5.2)
SUCCESSORS	39 (1.2.3.6)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to design how to manage the menu part for the restaurant function module.

30)

ID	30
NAME	Design of the Search for a restaurant function
WBS	1.2.2.7
ESTIMATED DURATION	2 weeks
PREDECESSORS	18 (1.1.5.2)
SUCCESSORS	40 (1.2.3.7)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to design how to search in the site part for the restaurant function module.

31)

ID	31
NAME	Design of the Order a meal function
WBS	1.2.2.8
ESTIMATED DURATION	2 weeks
PREDECESSORS	18 (1.1.5.2)
SUCCESSORS	41 (1.2.3.8)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to design how to order a meal function module.

32)

ID	32
NAME	Design of the give restaurant feedback function
WBS	1.2.2.9
ESTIMATED DURATION	2 weeks
PREDECESSORS	18 (1.1.5.2)
SUCCESSORS	42 (1.2.3.9)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to design restaurant feedback function module.

33)

ID	33
NAME	Design of the help request form function
WBS	1.2.2.10
ESTIMATED DURATION	2 weeks
PREDECESSORS	18 (1.1.5.2)
SUCCESSORS	43 (1.2.3.10)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to design a help request form function module.

34)

ID	34
NAME	Setting communications protocols between client&server side
WBS	1.2.3.1
ESTIMATED DURATION	4 weeks
PREDECESSORS	24(1.2.2.1)
SUCCESSORS	-
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We will setting client-server characteristics that describe the relationship in our program.

35)

ID	35
NAME	Coding the database
WBS	1.2.3.2
ESTIMATED DURATION	4 weeks
PREDECESSORS	23 (1.2.1.2), 25(1.2.2.2)
SUCCESSORS	-
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	As coders, we are coding what data should be stored and how data items relate to each other.

36)

ID	36
NAME	Coding the user authentication function
WBS	1.2.3.3
ESTIMATED DURATION	4 weeks
PREDECESSORS	22 (1.2.1.1), 26(1.2.2.3)
SUCCESSORS	59(1.4.3.1)
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to coding user authentication as one of the core principles of security.

37)

ID	37
NAME	1.2.3.4
WBS	Coding the user update/delete functions
ESTIMATED DURATION	4 weeks
PREDECESSORS	22 (1.2.1.1), 27(1.2.2.4)
SUCCESSORS	60(1.4.3.2)
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	When we are coding the application, we want our models to provide two basic types of functionality. The module must be able to update and delete resources at user module.

38)

ID	38
NAME	Coding the add/delete restaurant functions
WBS	1.2.3.5
ESTIMATED DURATION	4 weeks
PREDECESSORS	22 (1.2.1.1), 28(1.2.2.5)
SUCCESSORS	61(1.4.3.3), 62(1.4.3.4)
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	When we are coding the application, we want our models to provide two basic types of functionality. The model must be able to add and delete resources at restaurant functions.

39)

ID	39
NAME	Coding the manage menu of the restaurant function
WBS	1.2.3.6
ESTIMATED DURATION	4 weeks
PREDECESSORS	22 (1.2.1.1), 29(1.2.2.6)
SUCCESSORS	63(1.4.3.5)
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to coding manage the menu part for the restaurant function module.

40)

ID	40
NAME	Coding the Search for a restaurant function
WBS	1.2.3.7
ESTIMATED DURATION	4 weeks
PREDECESSORS	22 (1.2.1.1), 30(1.2.2.7)
SUCCESSORS	64(1.4.3.6)
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to coding about the search in the site part for the restaurant function module.

41)

ID	41
NAME	Coding the Order a meal function
WBS	1.2.3.8
ESTIMATED DURATION	4 weeks
PREDECESSORS	22 (1.2.1.1), 31(1.2.2.8)
SUCCESSORS	65(1.4.3.7)
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to coding order a meal function module.

42)

ID	42
NAME	Coding the give restaurant feedback function
WBS	1.2.3.9
ESTIMATED DURATION	4 weeks
PREDECESSORS	22 (1.2.1.1), 32(1.2.2.9)
SUCCESSORS	66(1.4.3.8)
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to coding restaurant feedback function module.

43)

ID	43
NAME	Coding the help request form function
WBS	1.2.3.10
ESTIMATED DURATION	4 weeks
PREDECESSORS	22 (1.2.1.1), 33(1.2.2.10)
SUCCESSORS	67(1.4.3.9)
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to coding a help request form function module.

44)

ID	44
NAME	HTML/CSS Trainings
WBS	1.3.1.1
ESTIMATED DURATION	2 weeks
PREDECESSORS	-
SUCCESSORS	51(1.3.3.1), 52(1.3.3.2), 53(1.3.3.3), 54(1.3.3.4), 55(1.3.3.5)
START DATE	6.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	As all group members, we carried out this training for the front-end part of the project.

45)

ID	45
NAME	JS Training
WBS	1.3.1.2
ESTIMATED DURATION	2 weeks
PREDECESSORS	-
SUCCESSORS	51(1.3.3.1), 52(1.3.3.2), 53(1.3.3.3), 54(1.3.3.4), 55(1.3.3.5)
START DATE	6.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	As all group members, we carried out this training for the front-end part of the project.

46)

ID	46
NAME	Design of the user authentication page
WBS	1.3.2.1
ESTIMATED DURATION	2 weeks
PREDECESSORS	8(1.1.3.2)
SUCCESSORS	51(1.3.3.1)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to design a user authentication page with group members.

47)

ID	47
NAME	Design of user modification/deletion page (aka settings)
WBS	1.3.2.2
ESTIMATED DURATION	2 weeks
PREDECESSORS	8(1.1.3.2)
SUCCESSORS	52(1.3.3.2)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to design the user modification/deletion page settings

48)

ID	48
NAME	Design of restaurant addition page
WBS	1.3.2.3
ESTIMATED DURATION	2 weeks
PREDECESSORS	8(1.1.3.2)
SUCCESSORS	53(1.3.3.3)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to design the restaurant addition page.

49)

ID	49
NAME	Design of restaurant modification/deletion page
WBS	1.3.2.4
ESTIMATED DURATION	2 weeks
PREDECESSORS	8(1.1.3.2)
SUCCESSORS	54(1.3.3.4)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to design the restaurant modification/deletion pages.

50)

ID	50
NAME	Design of main page of application
WBS	1.3.2.5
ESTIMATED DURATION	2 weeks
PREDECESSORS	8(1.1.3.2)
SUCCESSORS	55(1.3.3.5)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	In the application home page design, we are going to design a home page that offers both restaurant and take-out options.

51)

ID	51
NAME	Coding the user authentication page
WBS	1.3.3.1
ESTIMATED DURATION	4 weeks
PREDECESSORS	44(1.3.1.1), 45(1.3.1.2), 46(1.3.2.1)
SUCCESSORS	59(1.4.3.1)
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	A user authentication page according to user types are going to be coded.

52)

ID	52
NAME	Coding user modification/deletion page (aka settings)
WBS	1.3.3.2
ESTIMATED DURATION	4 weeks
PREDECESSORS	44(1.3.1.1), 45(1.3.1.2), 47(1.3.2.2)
SUCCESSORS	60(1.4.3.2)
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to coding the user modification/deletion page settings.

53)

ID	53
NAME	Coding restaurant addition page
WBS	1.3.3.3
ESTIMATED DURATION	4 weeks
PREDECESSORS	44(1.3.1.1), 45(1.3.1.2), 48(1.3.2.3)
SUCCESSORS	61(1.4.3.3)
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to coding the restaurant addition page.

54)

ID	54
NAME	Coding restaurant modification/deletion page
WBS	1.3.3.4
ESTIMATED DURATION	4 weeks
PREDECESSORS	44(1.3.1.1), 45(1.3.1.2), 49(1.3.2.4)
SUCCESSORS	62(1.4.3.4)
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to coding the restoran modification/deletion page settings.

55)

ID	55
NAME	Coding main page of application
WBS	1.3.3.5
ESTIMATED DURATION	4 weeks
PREDECESSORS	44(1.3.1.1), 45(1.3.1.2), 50(1.3.2.5)
SUCCESSORS	63(1.4.3.5)
START DATE	06.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	We are going to coding a home page that offers both restaurant and take-out option with frontend technologies HTML, CS, JS.

56)

ID	56
NAME	Training for measuring code quality
WBS	1.4.1.1
ESTIMATED DURATION	2 weeks
PREDECESSORS	-
SUCCESSORS	58(1.4.2.1), 59(1.4.3.1), 60(1.4.3.2), 61(1.4.3.3), 62(1.4.3.4), 63(1.4.3.5), 64(1.4.3.6), 65(1.4.3.7), 66(1.4.3.8), 67(1.4.3.9)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Training is taken to measure code quality together with group members.

57)

ID	57
NAME	Training for testing purpose
WBS	1.4.1.2
ESTIMATED DURATION	2 weeks
PREDECESSORS	-
SUCCESSORS	58(1.4.2.1), 59(1.4.3.1), 60(1.4.3.2), 61(1.4.3.3), 62(1.4.3.4), 63(1.4.3.5), 64(1.4.3.6), 65(1.4.3.7), 66(1.4.3.8), 67(1.4.3.9)
START DATE	06.12.2021
END DATE	20.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Test training is taken with the group members.

58)

ID	58
NAME	Testing of the Online Ordering System
WBS	1.4.2.1
ESTIMATED DURATION	2 weeks
PREDECESSORS	56(1.4.1.1), 57(1.4.1.2)
SUCCESSORS	68(1.5.1), 73(1.5.6)
START DATE	20.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Test processes of The Online Order System are carried out together with the group members.

59)

ID	59
NAME	Testing of the user authentication function
WBS	1.4.3.1
ESTIMATED DURATION	2 weeks
PREDECESSORS	56(1.4.1.1), 57(1.4.1.2)
SUCCESSORS	68(1.5.1)
START DATE	20.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	User authentication functionality is tested with group members.

60)

ID	60
NAME	Testing of the user modification/deletion function
WBS	1.4.3.2
ESTIMATED DURATION	2 weeks
PREDECESSORS	56(1.4.1.1), 57(1.4.1.2)
SUCCESSORS	68(1.5.1)
START DATE	20.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	User change/deletion functionality is tested with group members.

61)

ID	61
NAME	Testing of the add restaurant function
WBS	1.4.3.3
ESTIMATED DURATION	2 weeks
PREDECESSORS	56(1.4.1.1), 57(1.4.1.2)
SUCCESSORS	68(1.5.1)
START DATE	20.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Add restaurant functionality is tested with group members.

62)

ID	62
NAME	Testing of the delete restaurant function
WBS	1.4.3.4
ESTIMATED DURATION	2 weeks
PREDECESSORS	56(1.4.1.1), 57(1.4.1.2)
SUCCESSORS	68(1.5.1)
START DATE	20.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The restaurant delete function is tested with group members.

63)

ID	63
NAME	Testing of the manage menu of restaurant function
WBS	1.4.3.5
ESTIMATED DURATION	2 weeks
PREDECESSORS	56(1.4.1.1), 57(1.4.1.2)
SUCCESSORS	68(1.5.1)
START DATE	20.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The management menu of the Restaurant function is tested with the group members.

64)

ID	64
NAME	Testing of the Search for a restaurant function
WBS	1.4.3.6
ESTIMATED DURATION	2 weeks
PREDECESSORS	56(1.4.1.1), 57(1.4.1.2)
SUCCESSORS	68(1.5.1)
START DATE	20.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Restaurant search functionality is tested with group members.

65)

ID	65
NAME	Testing of the Order a meal function
WBS	1.4.3.7
ESTIMATED DURATION	2 weeks
PREDECESSORS	56(1.4.1.1), 57(1.4.1.2)
SUCCESSORS	68(1.5.1)
START DATE	20.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	Food ordering functionality is tested with group members.

66)

ID	66
NAME	Testing of the give restaurant feedback function
WBS	1.4.3.8
ESTIMATED DURATION	2 weeks
PREDECESSORS	56(1.4.1.1), 57(1.4.1.2)
SUCCESSORS	68(1.5.1)
START DATE	20.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The restaurant feedback function is tested with the group members.

67)

ID	67
NAME	Testing of the help request form function
WBS	1.4.3.9
ESTIMATED DURATION	2 weeks
PREDECESSORS	56(1.4.1.1), 57(1.4.1.2)
SUCCESSORS	68(1.5.1)
START DATE	20.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The help request form function is tested with the group members.

68)

ID	68
NAME	Delivery of the initial product
WBS	1.5.1
ESTIMATED DURATION	1 day
PREDECESSORS	58(1.4.2.1)
SUCCESSORS	74(1.57)
START DATE	31.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The project, which was completed with the group members, was delivered.

69)

ID	69
NAME	Review meeting for the initial product with the customer
WBS	1.5.2
ESTIMATED DURATION	1 day
PREDECESSORS	68(1.5.1)
SUCCESSORS	73(1.5.6), 74(1.5.7)
START DATE	31.12.2021
END DATE	31.12.2021
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	A review meeting is held for the product with the group members and the customer.

70)

ID	70
NAME	Control of the quality of the initial product
WBS	1.5.3
ESTIMATED DURATION	3 days
PREDECESSORS	56(1.4.1.1)
SUCCESSORS	72(1.5.5)
START DATE	31.12.2021
END DATE	02.01.2022
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The quality of the first product was checked together with the group members.

71)

ID	71
NAME	Control of the quality of generated code
WBS	1.5.4
ESTIMATED DURATION	3 days
PREDECESSORS	56(1.4.1.1)
SUCCESSORS	74(1.5.7)
START DATE	31.12.2021
END DATE	02.01.2022
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The quality of the code written with the group members was checked.

72)

ID	72
NAME	Preparation of the User Manual
WBS	1.5.5
ESTIMATED DURATION	3 days
PREDECESSORS	70(1.5.3)
SUCCESSORS	73(1.5.6), 74(1.5.7)
START DATE	31.12.2021
END DATE	02.01.2022
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	A user manual was prepared for the project together with the group members.

73)

ID	73
NAME	Product Demonstration
WBS	1.5.6
ESTIMATED DURATION	1 day
PREDECESSORS	58(1.4.2.1), 69(1.5.2), 72(1.5.5)
SUCCESSORS	74(1.5.7)
START DATE	03.01.2022
END DATE	03.01.2022
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The product presentation was made by the group members.

74)

ID	74
NAME	Delivery of the final product
WBS	1.5.7
ESTIMATED DURATION	1 day
PREDECESSORS	68(1.5.1), 69 (1.5.2), 71(1.5.4), 72(1.5.5), 73(1.5.6)
SUCCESSORS	-
START DATE	03.01.2022
END DATE	03.01.2022
PERSONNEL RESPONSIBLE	All of the group members
DESCRIPTION	The project was delivered and demonstrated.