

Task number	Planned action	Outcome	Estimated duration	Date	Criterion
1	CS teacher consultations regarding the topic.	Topic approved by the teacher	10-15min	20.04.20	A
2	Discussion with Mr.Wojtek.	Mr. Wojtek describes the problem in detail	25-35min	23.04.20	A
3	Setting the success criteria.	Extract the criteria from the discussion and prepare for a second discussion with Mr. Wojtek	15-20min	23.04.20	A
4	Designing GUI.	Represent the general idea of how the interface will look like using graphic editing software	~1h	06.06.20	B
5	Developing flowcharts.	Creating flowcharts describing general functioning of the programme and more crucial methods	~1h 30min	07.06.20	B
6	Planning forms of output and data structures to use.	Creating the approximate representation of graphical and text based output and stating data structures to be used	~45min	13.06.20	B
7	Creating the UML diagram.	Developing UML diagram that will clearly show the connections between classes inside the programme	~1h	20.06.20	B
8	Developing testing methods.	Creating testing methods that would check whether the success criteria were met	~45min	26.06.20	B

9	Programming initialising data.	Initialising data from text or csv files in forms of objects in the programme.	~2h	28.06.20	C
10	Developing starting page layout.	Programming the starting page layout and functions including fields for user input, confirm buttons etc.	~2h 30min	30.06.20	C
11	Further programming of the starting page.	Making sure that data is appropriately saved and loaded, improper input is forbidden.	~1h	30.06.20	C
12	Developing the day page.	Creating GUI for adding meals, including list and tips.	~45min	1.07.20	C
13	Programming the frame for searching among ingredients and creating "Meal" and "ExercisePlan" classes.	Creating a list and a search tab from which the user can choose and add the ingredient in a given amount to the list from which the meal will be created and display its contents. Implementing "Meal" class.	~3h 30min	1.07.20	C
14	Adjusting the frame for searching for exercises and creating exercise plans, improving the layout of the day page.	Creating a list and a search tab from which the user can choose and add the exercise and its duration to the list from which the exercise plan will be created. Implementing "ExercisePlan" class.	~1h 30min	2.07.20	C

15	Creating “remove” buttons.	Creating buttons and methods to remove elements from lists containing meals, ingredients exercises and exercise plans.	~45 min	3.07.20	C
16	Programming objects and their methods to store data.	Programming classes of “Day” and “Week” with appropriate methods and using them to store meal and exercise plan data.	~1h 30 min	4.07.20	C
17	Adding JFreeChart library.	Downloading and adding JFreeChart library.	~20 min	5.07.20	C
18	Implementing remove methods.	Implementing remove methods for meal and exercise list together information fields.	~ 1h	16.07.20	C
19	Implementing loading and saving of “Day” objects.	Implementing loading methods for “Day” objects that provide information for meal and exercise lists and updates information fields.	~1h	16.07.20	C
20	Implementing tips.	Added and configured tips regarding daily nutrition.	~1h	18.07.20	C
21	Creating summary page layout .	Creating summary page layout.	~30min	19.07.20	C
22	Implementing summary page methods.	Implementing all methods used in the summary page except the chart and its description.	~3h	20.07.20	C

23	Implementing chart and its description.	Adding the chart and it's description. Programming algorithm that allows for accurate prediction of effects of daily plan over a period of time.	~3h	22.07.20	C
24	First version finished, consultation with end user regarding potential upgrades.(see appendix)	End user ideas: -Add feature of loading single meals and exercise plans -Add predicted effects of a diet with x% bigger calorie deficit.	~30min	25.07.20	B/C
25	Implementing end-user additional ideas.	-Adding additional lines on the chart describing diets with different calorie deficits	~1h 30min	25.07.20	C
26	Implementing end-user additional ideas.	-Adding loading and saving of simple meals and exercise plans in the plan tab by creating another simple frame which allows the end user to choose what they want to load or save after clicking load or save button.	~2h 30min	25.07.20	C
27	Bug fixes, cosmetic changes	Adding names of frames, fixed bugs regarding placement of the chart and format of shopping lists.	~2h	27.07.20	C
28	Recording of the video presenting the working of the programme	Recording the video showing the working of the programme with regards to the testing part of Criterion B	~3h	20.02.21	D
29	Evaluating the programme with regard to the success criteria	Check if all success criteria from Criterion A are met	~30min	22.02.21	E

30	Present the final product to Mr. Wojtek	Collect feedback from the client	~20min	23.02.21	E
31	Propose further improvements to the programme	Propose possible improvement from own and client evaluation	~45min	23.02.21	E