

codebenders

MUSALA SOFT PROJECT

February – March 2021

VOCATIONAL SCHOOL FOR PROGRAMMING AND INNOVATION

TABLE OF CONTENTS

1. Idea	2
2. Our team	2
3. Description of the main functions	3
4. Block diagram	5
5. Used technology.....	5

1. Idea

The aim of our project was to develop a program that allows students and teachers to engage with one another while working on various assignments and activities.

2. Our team

Scrum trainer – Svetlana Boyadzhieva

SVBoyadzhieva18@codingburgas.bg

Back-end developer – Kristina Bolashikova

KVBolashikova18@codingburgas.bg

Front-end developer – Afra Yusrefova

AFYusrefova18@codingburgas.bg

3. Description of the main functions

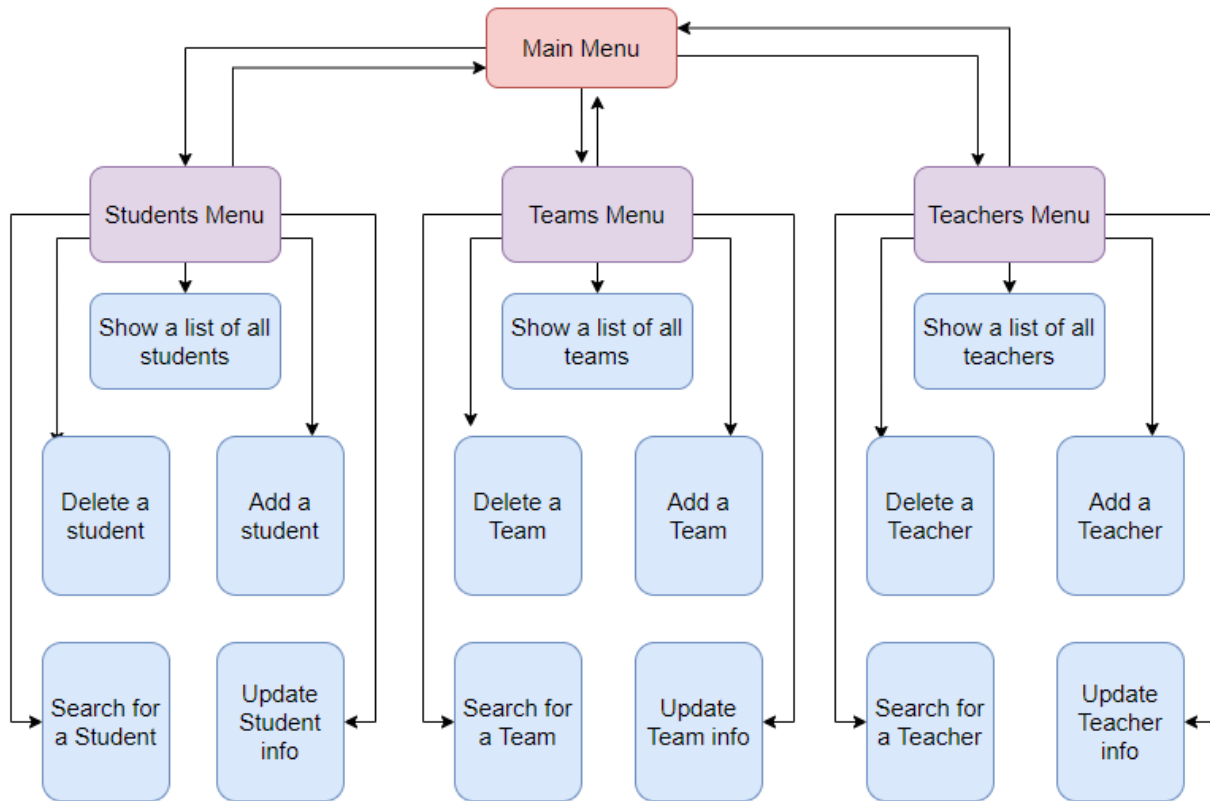
Name	Arguments	Return type	What it does
displayMainMenu	STUDENT* students, int& st_index, TEAM* teams, int& t_index, TEACHER* teachers, int& tch_index, SCHOOL* school	None (void)	Shows the main menu of the program
displayStudentsMenu	STUDENT* students, int& st_index, TEAM* teams, int& t_index, TEACHER* teachers, int& tch_index, SCHOOL* school	None (void)	Shows a sub menu with options connected with students
displayTeamsMenu	STUDENT* students, int& st_index, TEAM* teams, int& t_index, TEACHER* teachers, int& tch_index, SCHOOL* school	None (void)	Shows a sub menu with options connected with teams
displayTeacherMenu	STUDENT* students, int& st_index, TEAM* teams, int& t_index, TEACHER* teachers, int& tch_index, SCHOOL* school	None (void)	Shows a sub menu with options connected with teachers
returnBack	none	Bool	Asks the user if they want to stay in the same menu or to return one menu back
readInt	none	Int	Asks the user to input an integer and outputs an error message if they enter something else
UpdateStudentInfoMenu	STUDENT* students, int& st_index, TEAM* teams, int& t_index, TEACHER* teachers, int&	None (void)	Shows options for editing different information about a particular student

	tch_index, SCHOOL* school		
SearchStudentMenu	STUDENT* students, int& st_index, TEAM* teams, int& t_index, TEACHER* teachers, int& tch_index, SCHOOL* school	None (void)	Shows options for searching for students by different criteria
initStudents	STUDENT* students, int& index	None (void)	Statically fills up an array of students
showStudents	STUDENT* students, int index	None (void)	Outputs a list of all of the students in the students array
enterStudent	STUDENT* students, int& index	None (void)	Inputs data for a new student in the students array
deleteStudent	STUDENT* students, int& index	None (void)	Deletes a particular student from the students array
updateStudent(Name/Class/Role/Email)	STUDENT* students	None (void)	Edits information about a student
searchStudentBy(Name/Class/Role/WithoutATeam)	STUDENT* students, int& index	None (void)	Searches for students by chosen by the user criteria

Arguments:

- students – array of type STUDENT
- st_index – shows the amount of elements in the array students and points to the next element
- teams – array of type TEAM
- t_index - shows the amount of elements in the array teams and points to the next element
- teachers – array of type TEACHER
- tch_index - shows the amount of elements in the array teachers and points to the next element
- school – variable of type SCHOOL

4. Block diagram



5. Used technology

- Visual studio 19 – For coding the program
- Github – organizing tasks and managing the project
- Teams – communication and sharing ideas
- Powerpoint – creating the presentation
- Word – creating the documentation
- Excel – QA test cases