Documentation

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# Our team

## 1.1 Roles:

|  |  |
| --- | --- |
| Participant | Role |
| Valeriya Damyanova | **Scrum Trainer** |
| Alexey Atanasov | **Back-end Developer** |
| Valeriya Vulchanova | **Front-end Developer** |
| Desislava Peeva | **Designer** |

# Project implementation

## Idea

### The idea of our e-school is to provide students with interactive worksheets, PDF files with materials published by teachers, and an overview of GPA and grades. Teacher will have the ability to add and delete grades and add materials

|  |  |
| --- | --- |
| File: | Purpose: |
| *Login.cpp* | *Login page cpp file* |
| *Login.h* | *Login page header file* |
| *Main.cpp* | *Main page cpp file* |
| *Main.h* | *Main page header file* |
| *Menu.cpp* | *Menu cpp file* |
| *Menu.h* | *Menu header file* |
| *studentDiary.cpp* | *studentDiary cpp file* |
| *studentDiary.h* | *studentDiary header file* |
| *studentRescources.cpp* | *studentRescources cpp file* |
| *studentRescources.h* | *studentRescources header file* |
| *teacherDiary.cpp* | *teacherDiary cpp file* |
| *teacherDiary.h* | *teacherDiary header file* |
| *teacherRescources.cpp* | *teacherRescources cpp file* |
| *teacherRescources.h* | *teacherRescources header file* |
| *teacherTestWindow.cpp* | *teacherTestWindow cpp file* |
| *teacherTestWindow.h* | *teacherTestWindow header file* |
| *studentTestWidnow.cpp* | *studentTestWindow cpp file* |
| *studentTestWindow.h* | *studentTestWindow header file* |
| *testsMenu.cpp* | *testsMenu cpp file* |
| *testsMenu.h* | *testsMenu header file* |
| *Grade.cpp* | *Grade cpp file* |
| *Grade.h* | *Grade header file* |
| *Question.cpp* | *Question cpp file* |
| *Question.h* | *Question header file* |
| *Student.cpp* | *Student cpp file* |
| *Student.h* | *Student header file* |
| *Teacher.cpp* | *Teacher cpp file* |
| *Teacher.h* | *Teacher header file* |
| *Test.cpp* | *Test cpp file* |
| *Test.h* | *Test header file* |
| *testStudent.cpp* | *testStudent cpp file* |
| *testStudent.h* | *testStudent header file* |
| *User.cpp* | *User cpp file* |
| *User.h* | *User header file* |
| *currentUser.cpp* | *CurrentUser cpp file* |
| *currentUser.h* | *CurrentUser header file* |
| *gradeService.cpp* | *gradeService cpp file* |
| *gradeService.h* | *gradeService header file* |
| *questionService.cpp* | *questionService cpp file* |
| *questionService.h* | *questionService header file* |
| *studentService.cpp* | *studentService cpp file* |
| *studentService.h* | *studentService header file* |
| *teacherService.cpp* | *teacherService cpp file* |
| *teacherService.h* | *teacherService header file* |
| *testService.cpp* | *testService cpp file* |
| *testService.h* | *testService header file* |
| *testStudentService.cpp* | *testStudentService cpp file* |
| *testStudentService.h* | *testStudentService header file* |
| *userService.cpp* | *userService cpp file* |
| *userService.h* | *userService header file* |

* 1. Map of the e-school

Login

Menu

Login

Tests

Diary

Resources

Menu

Teachers

Students

Tests

Login

Diary

Menu

Resources

* 1. Realization

|  |  |
| --- | --- |
| Need: | Used resource: |
| For code | *Visual Studio* |
| For forming the code | *C++* |
| For work directory | *GitHub* |
| For communication | *Microsoft Teams* |
| For documentation | *Microsoft Word* |
| For design | *QT* |

1. Summary
   1. Main result

The program is already useful for managing tests, notes, materials, and grades. It helps make learning and organization easier. While it works well now, there is always room for improvement.

* 1. Development opportunity

In the future, the program will be improved with more tests, notes, materials, and grading features for each grade. There will also be new ideas to make it even better. As skills in QT improve and knowledge of C++ grows, more useful features will be added. The goal is to make the program easier to use and more helpful for everyone.