At our school at the Department of Technology and Computer Science, teacher assignment

planning is done using Microsoft Excel. This plan is handled by one person. In

the modern world, with the rapid growth of new technologies, it is possible to improve

various systems, giving them more and more possibilities, automating many functions

and saving a lot of time. This thesis aims to develop an information system that eases

assignment planning for lecturers. But unlike the existing system, it should fulfill the

following criteria.

• The teachers themselves should be involved in the planning process

• The ability to create groups of modules and groups of teachers

• Increased planning flexibility

Comparing **Microsoft Excel** solution to a generic **Web Application**

with respect to several criteria and concluded that the web application meets

the requirements of the conceived system.

The web application is designed to involve **many users**

• It can have a database that gives us **data consistency**

• Also, the data is much **safer** in a database

• The web application gives the best **overview** of the entire system

Comparing a generic **Desktop Application** to a generic **Web Application** also

results in the web application being the better option:

• **It is accessible from anywhere**

• **No updates required**

• **Costs less**

We decided to make a web application that will meet all the requirements and will be

created using suitable modern technologies. ASP.NET Core Blazor Server with Entity

Framework Core (EFCore) and MS SQL (Microsoft Structured Query Language) was

the database technologies of choice.

and now a small overview of the application itself

PLANA is

a tool for effective planning of the employment of professors in our school.

The plan can be used by multiple users.

The main users of the application are the person responsible for planning – study administrator and the professors.

Let's see its main functions

**First, let's see from the side of the administrator.**

He can create a new plan, then add modules to it

He can add teachers

he can set hours for a specific module and teacher.

And also he can manage a plan

**Now, let’s see from the side of the professor**

The professor selects the plan and sees the modules assigned to him

He can request more modules by selecting them in this sheet, the Professor can also have additional assignments

Additional assignments can be e.g. research, teaching, professional development

He can select them in this sheet

On the right, he can see the calculation of his employment.