

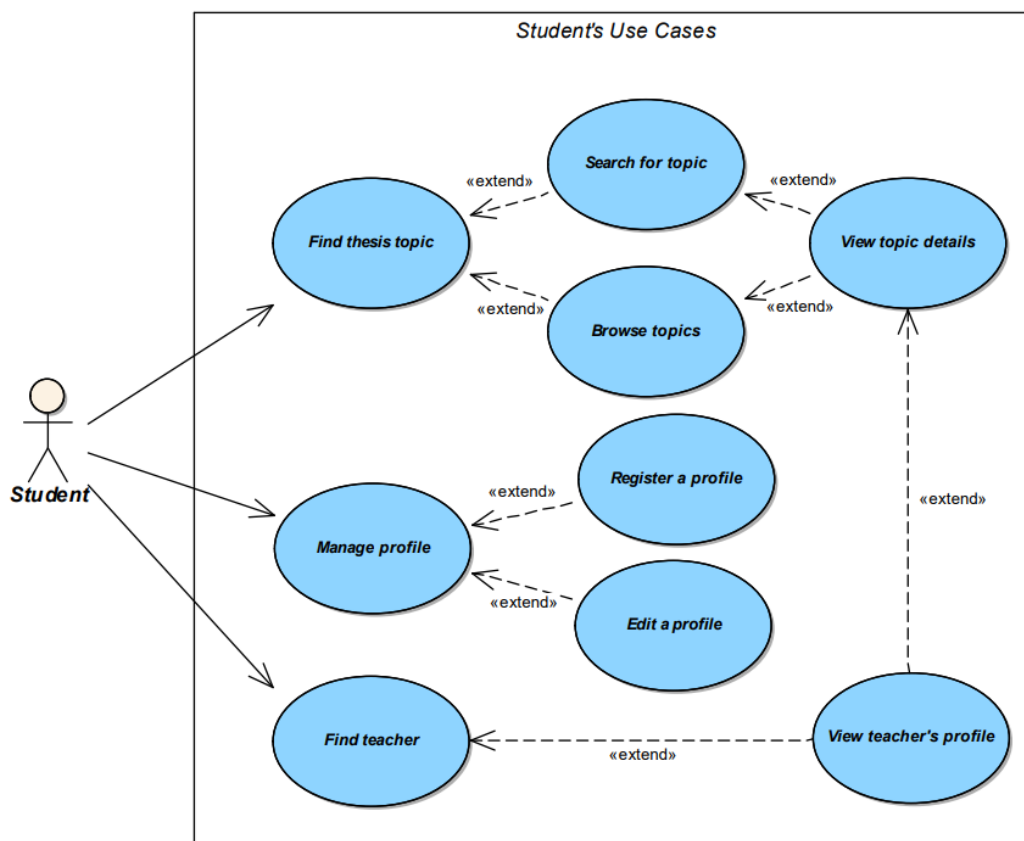
1. Vision of the solution

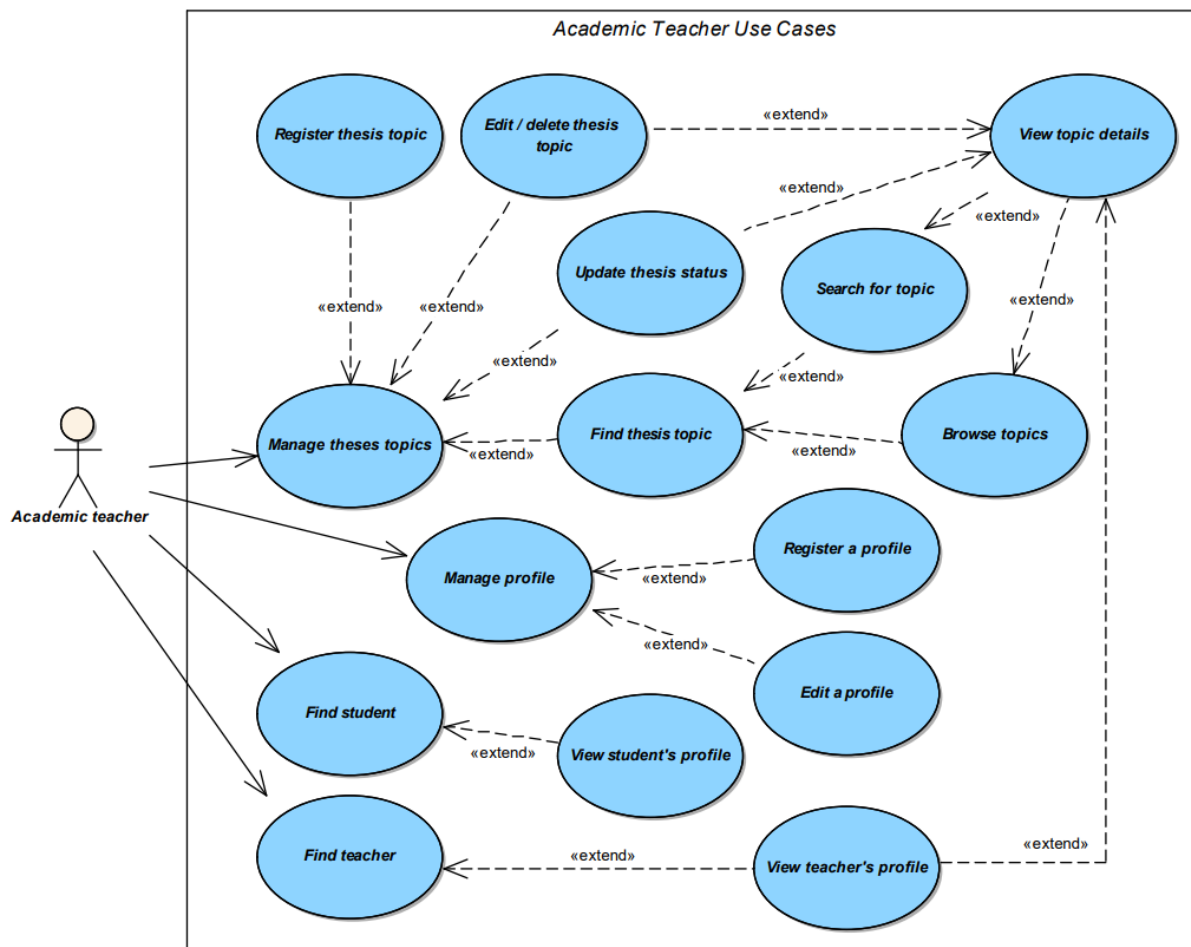
Thesis Wizard website was created for students looking for a supervisor and academic teacher conducting diploma theses (engineering, bachelor and master's). This website allows supervisors to publish their theses topics and students to find a thesis topic closely related to their interests and field of study, with a supervisor in accordance with his/her area of research and finally to establish rules for further cooperation. The platform should accelerate the process of selecting a supervisor and increase its accuracy, which will positively influence the level of students' involvement and satisfaction during the entire process of writing the diploma thesis.

Thesis Wizard is a responsive web application, implemented as a universal module, which can be implemented in the IT infrastructure of each partner university after meeting the technical requirements.

2. Solution scope

Two user roles have been defined on the website - teacher and student. Use cases for each of the roles are presented below.





3. List of solution's features

Thesis Wizard website offers the following features for users:

a) Teacher registration

Teacher can create account by completing "Teacher registration" form. Information such as first name, last name, e-mail address, password, academic degree and university name is required to successful completion of the registration process.

b) Student registration

Student have to completing "Student registration" form in order to create account. This process requires providing first name, last name, e-mail address, password and university name by student.

Full activation of the teacher or student account requires confirmation of registration by clicking the link received in welcome email.

c) Theses topics publication

This feature allows Teacher to adding new thesis topic. It uses a form called “Add new thesis topic” which contains some details of the proposed thesis and information about field of study and specialization for which the thesis is dedicated.

d) Presentation of theses topics

All published theses topics are presenting as a list in subpage called “Catalog” which is available only for logged in users. Each item of the list contains the following information: thesis topic, fragment of its description, thesis type and personal information of supervisor. Users can check all the details of thesis topic by selecting the "Read more" button.

e) Search for thesis topic

In subpage “Catalog” the website search engine is available. Thanks to the possibility of typing the keywords or selecting thesis type, university or thesis status from the drop-down list, this tool helps user to find appropriate thesis topic.

f) Search for teacher/ student

Subpages called “Teachers” and “Students” contain lists of registered users. The teacher catalog is available to all logged-in users, however only teachers have access to the student catalog. Additionally, a search engine has been placed in each catalog.

g) Teacher profile presentation

All information provided by teachers during registration is presented in their profiles. Moreover, each teacher can complete their profile with additional information, such as: profile picture, faculty, department, publication links, teacher university website and interests. And furthermore, in profile tab “Theses topics” the list of theses topics published by teacher is displayed.

h) Student profile presentation

The process of creating a student and teacher profile is similar. Initially, the information provided by the students during registration is presented in their profiles. Student can complete the profile with additional information such as: profile photo, field of study, specialization, program degree, form of study and education level at the later time.

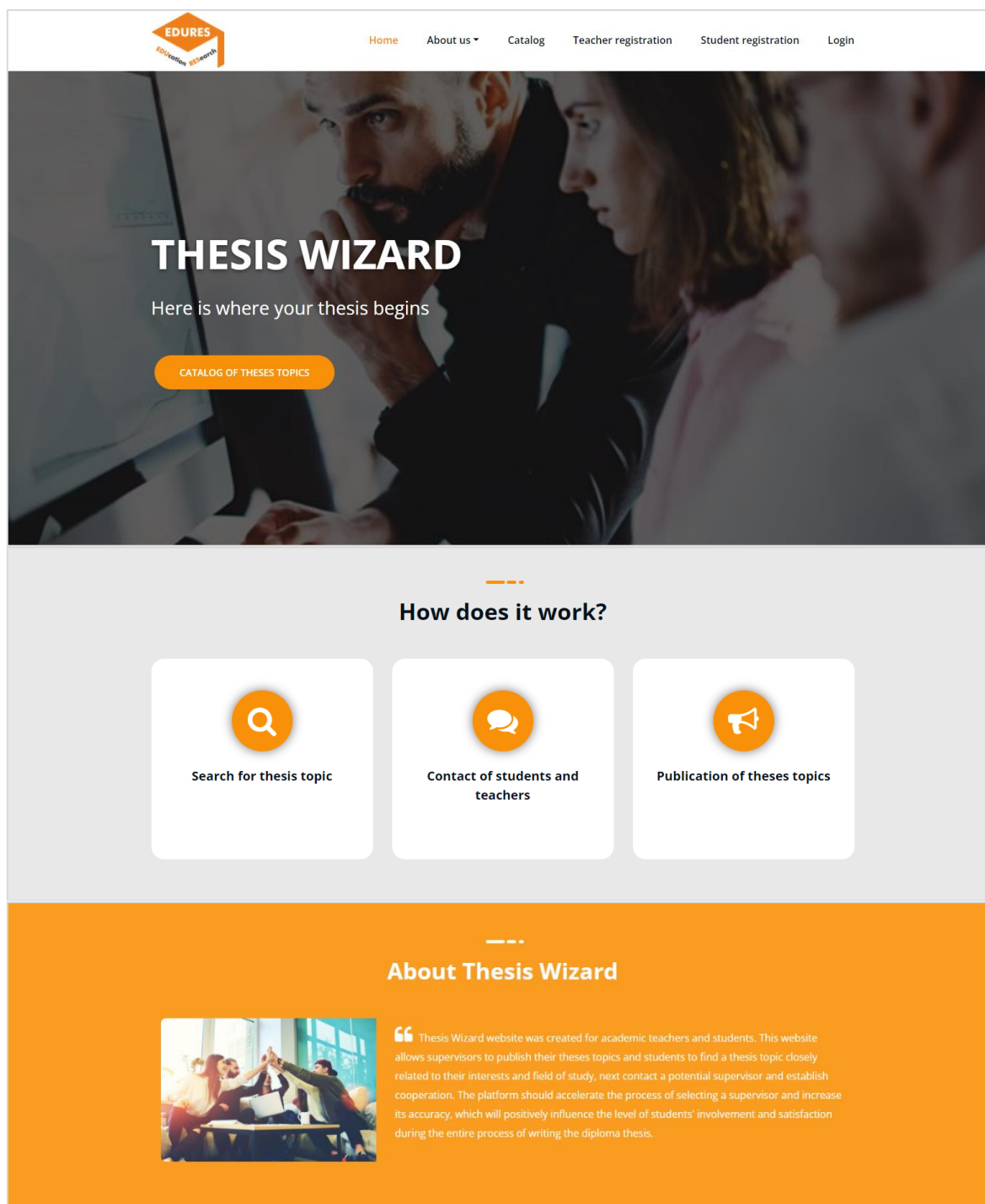
i) Account management

Each logged in user can edit their profile (change/add/remove some information) or change password.

4. Implementation of the solution

Website will be available at: www.theses.prz.edu.pl after completion of the technical and formal works. Points a) to j) show a view of the selected solution entities.



a) A fragment of the home page for an unlogged user



b) Teacher's registration form

First Name *	Academic Degree *
<input type="text"/>	<input type="text"/>
Last Name *	University Name *
<input type="text"/>	<input type="text"/>
E-mail address *	Show privacy policy
<input type="text"/>	<input type="checkbox"/> Please confirm that you agree to our privacy policy
Please use your official email address from your university!	<input type="button" value="Register"/>
Password *	
<input type="password"/>	
Confirm Password *	
<input type="password"/>	

c) Teacher's profile



Wojciech Lis
Assistant Professor • RZESZOW UNIVERSITY OF TECHNOLOGY

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Contact information:
E-mail Address
w.lis@prz.edu.pl

Academic Degree
Assistant Professor

University Name
RZESZOW UNIVERSITY OF TECHNOLOGY

Faculty
Faculty of Mechanical Engineering and Aeronautics


Department
Dept of Manufacturing Processes and Production Engineering


Publication link
<https://publicationlink.org/>

Teacher University Website
<https://universitywebsite.prz.edu.pl/>

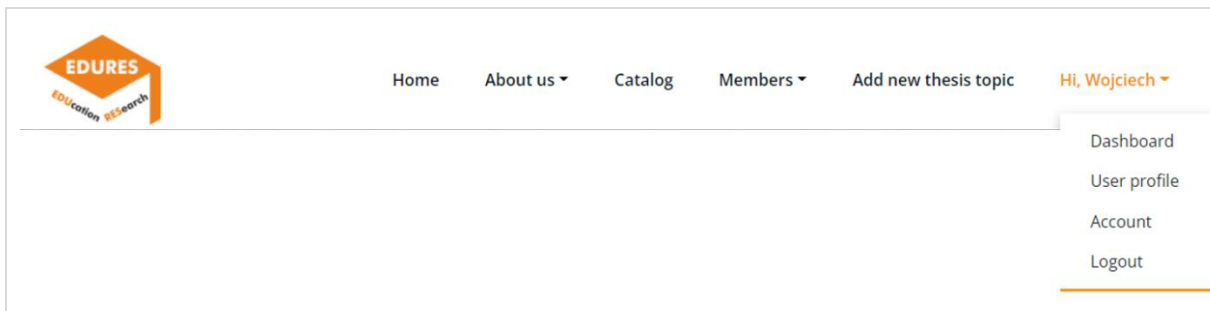
Interests
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
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mi, et vestibulum metus. Donec sit amet hendrerit enim.

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 **Designing data models in the Power BI Desktop for the system of key performance indicators**
2 months ago • in: [Master's thesis](#) • [no comments](#)

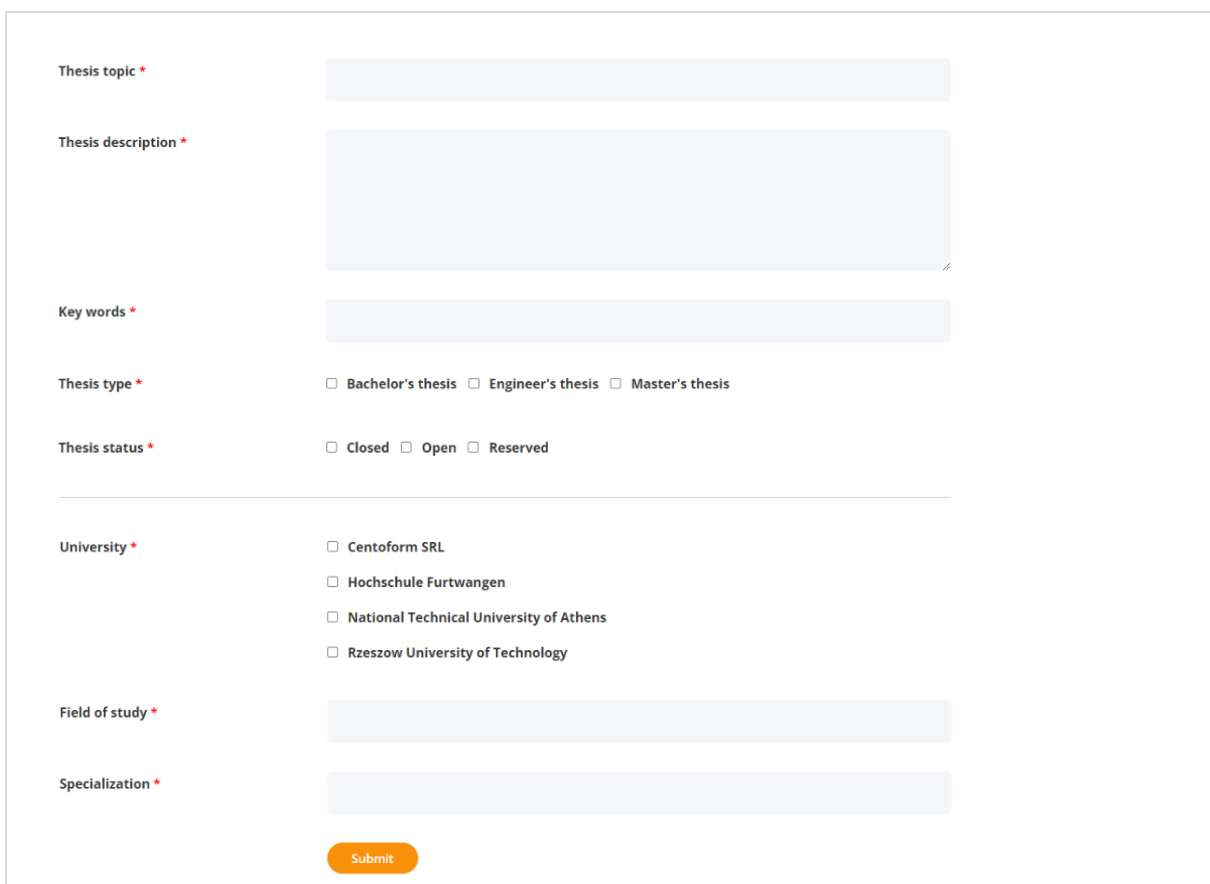
 **Methodology for the selection of key performance indicators and their implementation in the form of a dashboard.**
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d) Menu for logged in teachers



The screenshot shows the top navigation bar of the EDURES website. On the left is the EDURES logo, which consists of an orange square with the word 'EDURES' in white and 'Education Research' in orange below it. To the right of the logo are several menu items: 'Home', 'About us' (with a dropdown arrow), 'Catalog', 'Members' (with a dropdown arrow), 'Add new thesis topic', and 'Hi, Wojciech' (with a dropdown arrow). A dropdown menu is open under 'Hi, Wojciech', showing four options: 'Dashboard', 'User profile', 'Account', and 'Logout'.

e) Form for adding a new thesis topic





The screenshot shows a form for adding a new thesis topic. The form is divided into two main sections. The first section contains five fields: 'Thesis topic' (a single-line text input), 'Thesis description' (a multi-line text area), 'Key words' (a single-line text input), 'Thesis type' (a radio button group with three options: 'Bachelor's thesis', 'Engineer's thesis', and 'Master's thesis'), and 'Thesis status' (a radio button group with three options: 'Closed', 'Open', and 'Reserved'). The second section contains three fields: 'University' (a radio button group with four options: 'Centoform SRL', 'Hochschule Furtwangen', 'National Technical University of Athens', and 'Rzeszow University of Technology'), 'Field of study' (a single-line text input), and 'Specialization' (a single-line text input). At the bottom of the form is an orange 'Submit' button.

f) Student's registration form

<p>First Name *</p> <input type="text"/>	<p>E-mail address *</p> <input type="text"/>
<p>Last Name *</p> <input type="text"/>	<p>Please use your official email address from your university!</p>
<p>Password *</p> <input type="password"/>	<p>University Name</p> <input type="text"/>
<p>Confirm Password *</p> <input type="password"/>	<p>Show privacy policy</p> <p><input type="checkbox"/> Please confirm that you agree to our privacy policy</p>
	<p>Register</p>

g) Student's profile

Ala Kot


Student • RZESZOW UNIVERSITY OF TECHNOLOGY

About

Theses topics

<p>Contact information:</p>	<p>E-mail Address</p> <p>142452@prz.edu.pl</p>
<p>University Name</p> <p>RZESZOW UNIVERSITY OF TECHNOLOGY</p>	<p>Specialization</p> <p>Information Technology in Business Management</p>
<p>Field Of Study</p> <p>Management and production engineering</p>	<p>Program Degree</p> <p>Engineering</p>
<p>Form Of Study</p>	<p>Education Level</p>

h) Menu for logged in students



Home

About us ▾

Catalog

Teachers

Hi, Ala ▾

Account

Logout

i) Catalog of theses topics

Engineer's Thesis

The issue of measuring the surface roughness of the parts of machinery and the determination of the surface geometric structure parameters in the selected numerical environment

By Maria Wilk • 6 October 2021

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Read more

Search thesis topic

Thesis type ▾

University ▾

Thesis status ▾

Search

Engineer's Thesis

Designing data models in the Power BI Desktop for the system of key performance indicators

By Maria Wilk • 6 October 2021


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j) Catalog of teachers

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Joanna Kupicha
Assistant Professor
RZESZOW UNIVERSITY OF TECHNOLOGY



Wojciech Lis
Assistant Professor
RZESZOW UNIVERSITY OF TECHNOLOGY



Maria Wilk
Assistant Professor
RZESZOW UNIVERSITY OF TECHNOLOGY