



INTERNATIONAL
UNIVERSITY

The development of the support platform for **schoolchildren** and their **parents**

CSSE-SWD-1805K:

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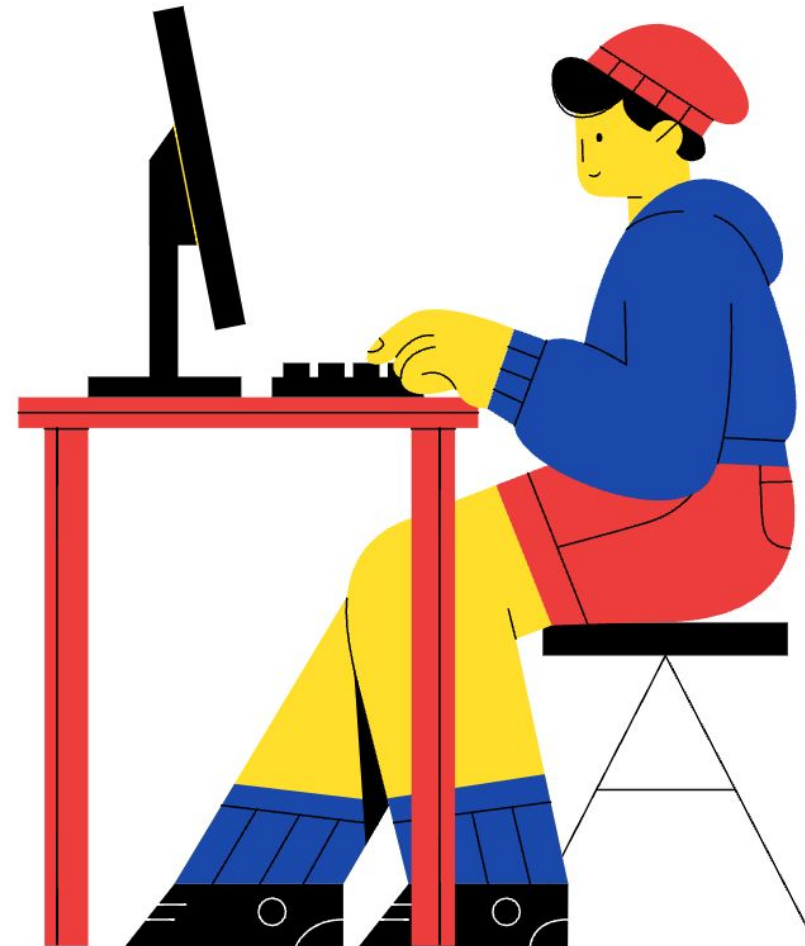
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Content

- **Introduction**
 - **Purpose**
 - **Problem statement**
 - **Research hypothesis**
- **Main Part**
 - **Literature review**
- **Research Methodology**
- **Results**
- **Discussion**



Introduction

When should I think about choosing a profession?



What matters when choosing a profession?

45% of graduates of organizations of higher and secondary vocational education do not work in their specialty. Our task is to reduce this number.

Purpose

To develop an online platform to help students choose a profession.

Specialty



The trajectory of education **Preparation for the ENT**



List of necessary courses

To raise the level of skills

Rating of jobs



Problem statement

The object of the study is high school students

The subject of the study is the right choice of a future profession

To do this, we need to perform the following tasks:

- **identify all subjects of school activities**
- **study all the necessary professions for the distribution of the subject**
- **prepare psychological questions or find websites to identify students' abilities**
- **identify the factors contributing to the correct choice of profession.**
- **Identify any gaps in the collection of information.**



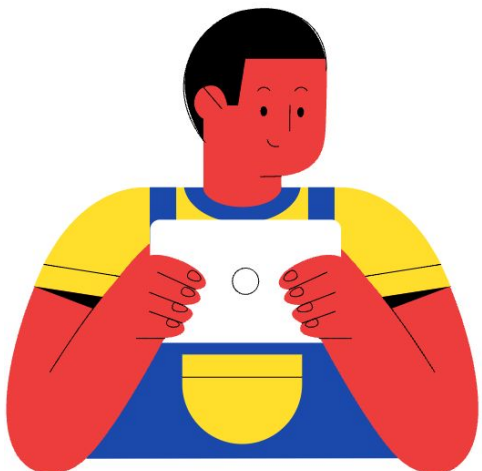
The stakeholders of our project are the **students** themselves, who find it difficult to understand the topic, school institutions, parents, the Ministry of Education and Economy.

Research hypothesis



- We will define tests to identify the strong qualities of schoolchildren
- We will determine the factors contributing to the correct choice of profession

- We will determine the reasons contributing to the wrong choice of profession and find their solution
- We will determine the professions in demand



- The product will be necessary for schoolchildren.
- The product will be useful for a certain audience.

- The product will be used frequently.
- It will be possible to monitor the level of satisfaction with the chosen profession.

Research methodology

Introductio

The **goal** of our project is to provide an opportunity to undergo career guidance.



In order to understand strategies, sales, target audience, we need to identify the strengths and weaknesses of our competitors in order to further use this information and improve our product based on this data.

The type of research methods



Convenient **architectural template for development.** The main and important architectural patterns are multilevel, channels and filters, client-server, MVC architecture based on sobi and architecture based on microservices.

01
STEP



Determine who your competitors are

02
STEP



Determine what products your competitors offer

03
STEP



Research your competitors' sales tactics and results

04
STEP



Take a look at your competitors' pricing, as well as any perks they offer

05
STEP



Ensure you're meeting competitive shipping costs

06
STEP



Analyze how your competitors market their products

07
STEP



Take note of your competition's content strategy

08
STEP



Learn what technology stack your competitors' use

09
STEP



Analyze the level of engagement on your competitor's content

10
STEP



Observe how they promote marketing content

11
STEP



Look at their social media presence, strategies, and go-to platforms

12
STEP



Perform a SWOT Analysis to learn their strengths, weaknesses, opportunities, and threats

Scrum: Teams in Space

Plan Work Report Board ^

QUICK FILTERS: Product UI Server Only My Issues Recently Upda

VERSIONS

- EPICS
- All issues
- SeeSpaceEZ Plus
- Space Travel Partners
- Summer Saturn Sale
- Afterburner Plus
- Large Team Support
- Local Mars Office
- Hyper-speed shuttles
- New launch platforms

▼ **Sprint 6** 24 issues 21 58 7

24/Nov/14 11:05 PM • 08/Dec/14 11:05 PM Linked pages

🔦 ↑	TIS-46 Update LocalTransportContrc	3.0	Large Team Support	6
🔦 ↑	TIS-42 Extend booking experience in	3.0	Large Team Support	9
🔦 ↑	TIS-43 Extend booking experience in	3.0	Large Team Support	9
🔦 ↑	TIS-40 Update FlightController to har	3.0	Large Team Support	6
🔦 ↑	TIS-44 Reward Customers an extra £	3.0	Large Team Support	3
📷 ↑	TIS-41 Update LodgingController to f	3.0	Large Team Support	
🔦 ↑	TIS-39 Update UI controls on travel t	3.0	Large Team Support	8
🔦 ↑	TIS-45 Email non registered users to	3.0	Large Team Support	2
🔦 ↑	TIS-49 Draft network plan for Mars O	2.1	Local Mars Office	5
🔦 ↑	TIS-68 Homepage footer uses an inlityle - should use a class			

Teams in Space / TIS-56 ⋮

Add pointer to main css file to instruct users to create child themes

Details

Status: CLOSED

Component/s: Web Site

Labels: None

Affects Version/s: 2.0

Fix Version/s: 2.0

Epic: Large Team Support x

People

Reporter: Jennifer Evans

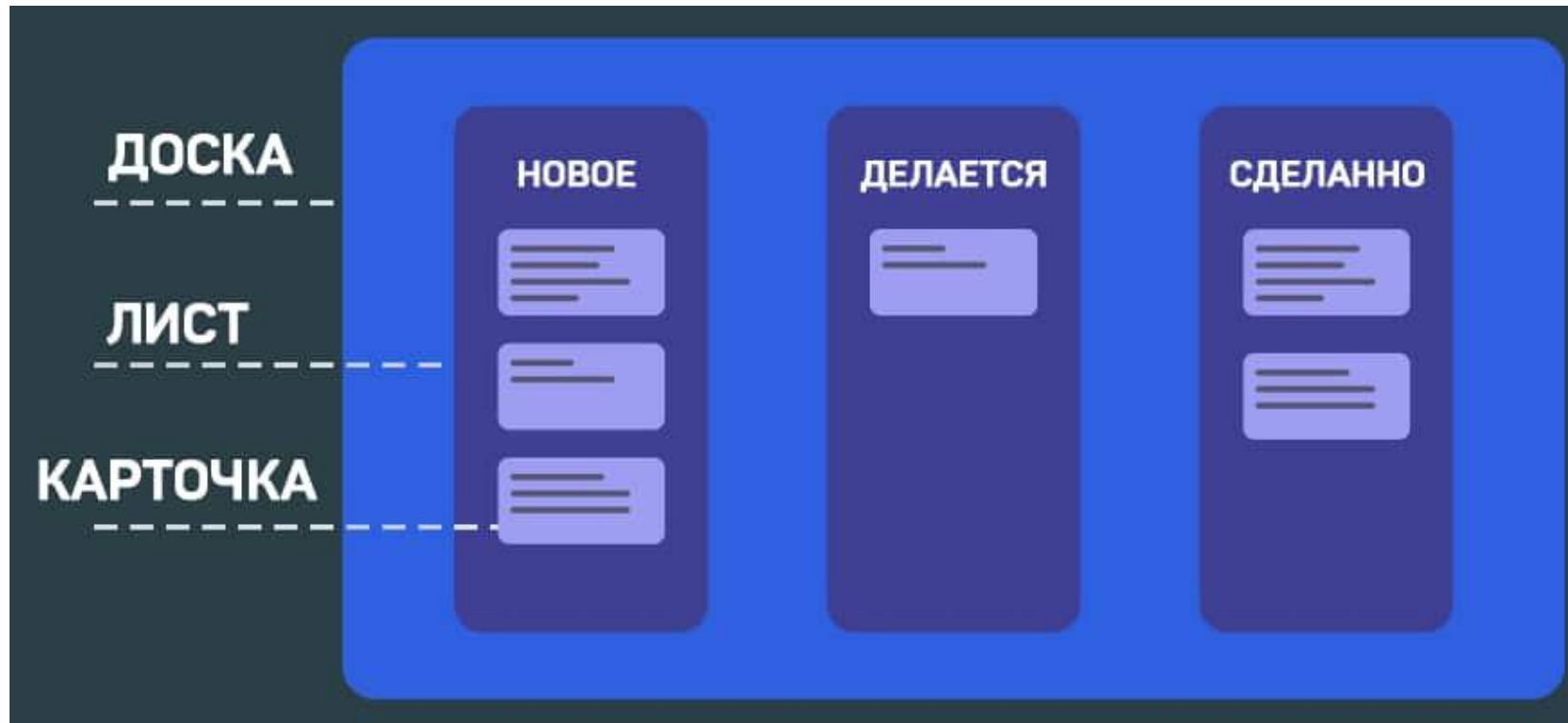
Assignee: Jennifer Evans

✓ Agile at Scale,
✓ Polished User Experience

Results

Development methodology

Kanban



Results

Development methodology

**Уменьшение числа параллельно
выполняемых задач**



Results

Development methodology

Визуализация
производства













Доска задач

Точка принятия
Обязательств

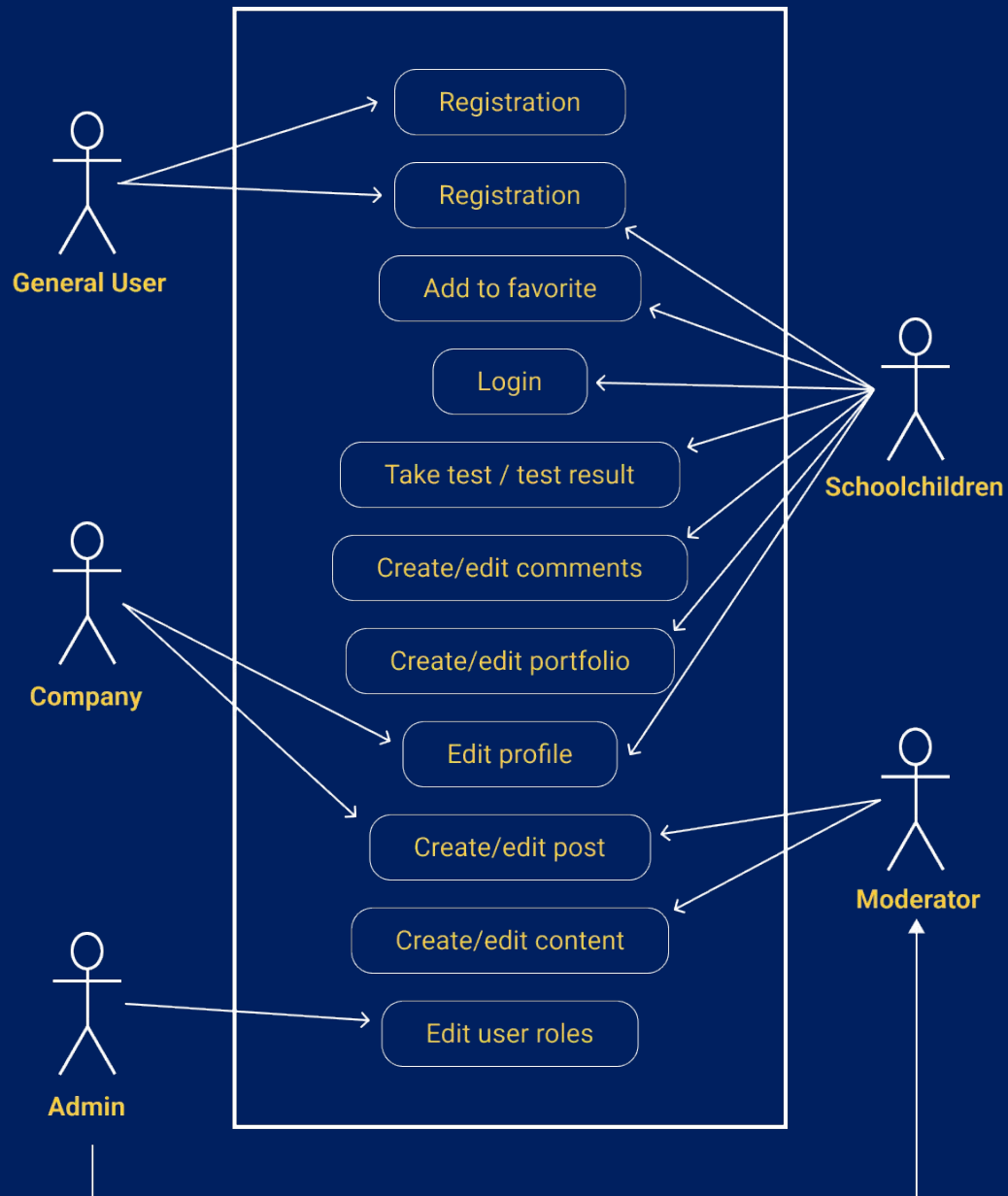
Точка принятия
Обязательств

СДЕЛАТЬ	ВЫБРАНО	В РАБОТЕ	ГОТОВО
			

Development Stack

STACK	Backend	WEBSITE	MOBILE APP
Framework	 spring	 React	 Flutter
Programming Language	 Java	 TS TYPESCRIPT	 Dart
Database	 PostgreSQL		
Tools for development	 docker  IJ  WS  node JS 		
	   github  		

Picture 1. Use case diagram



Use case diagram

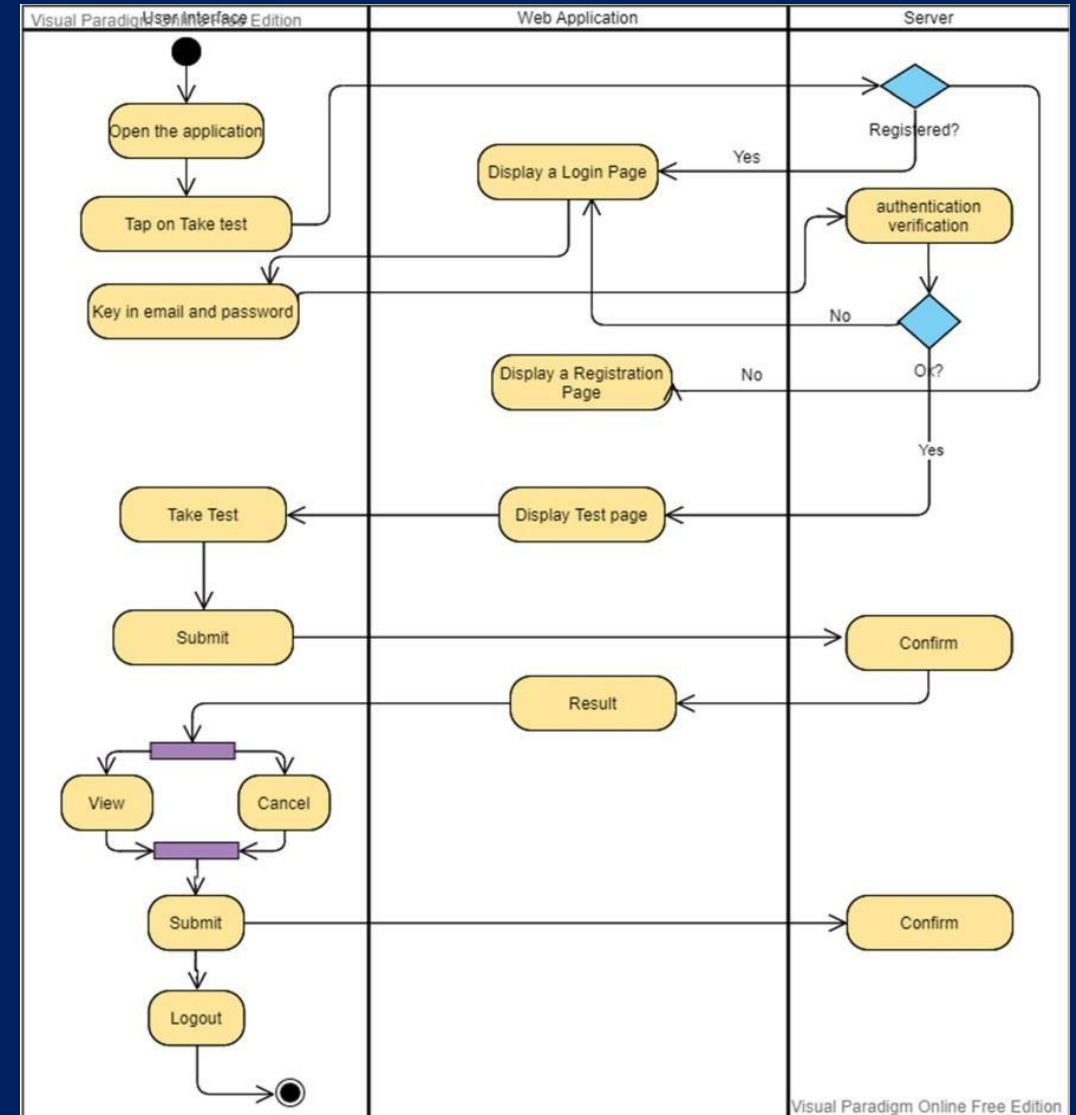
Each is characterized only by what they can do on our platform. For example, a General User (an unauthorized user) can register, log in and view content on our platform. A student can do the same as a General User, but also additionally take tests, take courses, etc.

Role	Description
Admin	The admin has all rights in the application and access to all tables for adding, editing and deleting
General User	General User is any application user who is not authorized and has access only to certain pages with information
User	The user has access to all the main pages and content with the ability to save their profile, content and progress
Moderator	The moderator has limited access to the admin panel in order to moderate user actions and, depending on the violation, delete certain comments and posts
Company	The company has the ability to add posts and view user profiles and portfolios

Picture 2. Use Case Diagram Roles

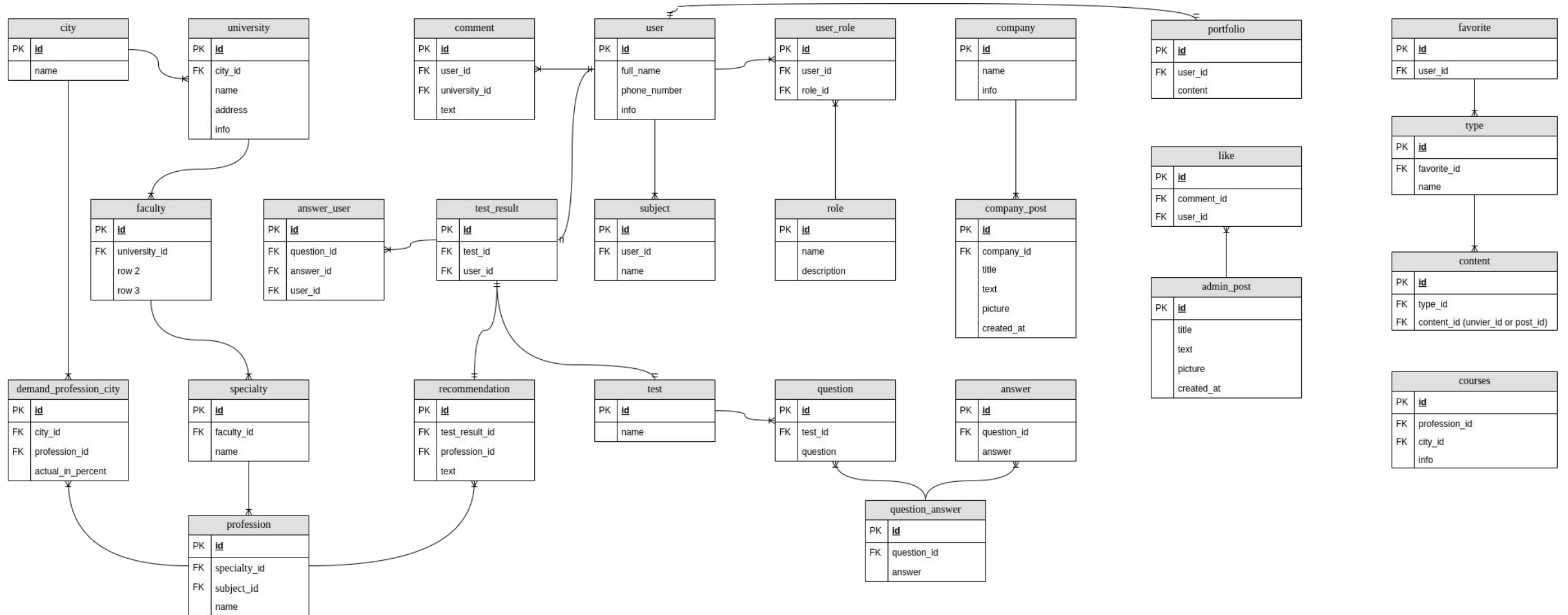
Activity diagram

This activity diagram shows the process of passing the test. In order to pass the test, the user must be authorized. Therefore, first there is a login to the website, starting with entering the username and password and ending with a successful login. Then the user can take the test and see the result. He can either view or delete his result.



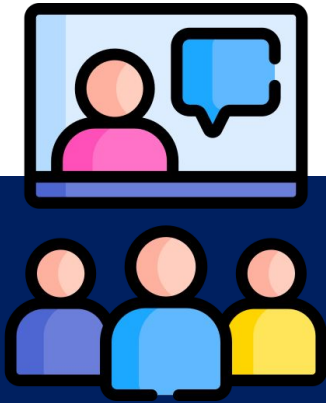
Picture 3. Activity diagram

Entity Relationship diagram



Picture 4. ER Diagram

Initial Functionality



Specialty courses
for users



Career guidance
test



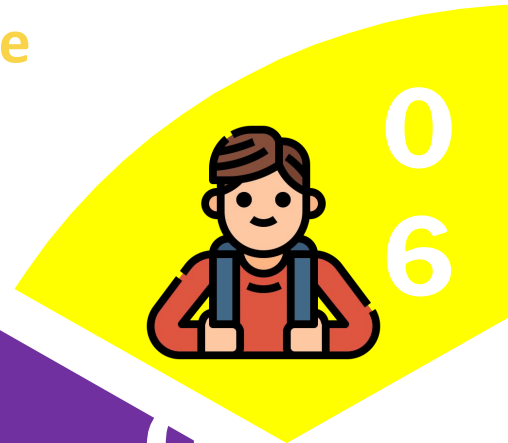
University
statistics



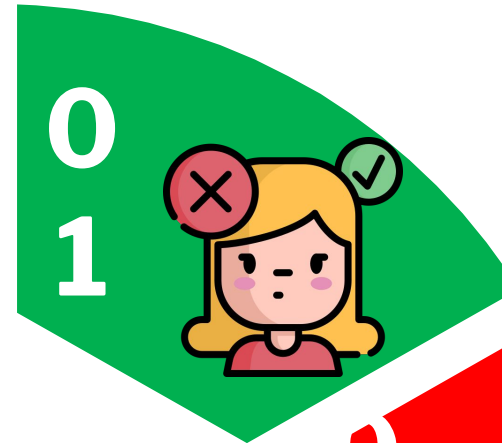
Portfolio (open, closed
access)

Discussion

The product will be necessary for schoolchildren



We will determine the factors contributing to the correct choice of profession



How and why to make such tests?

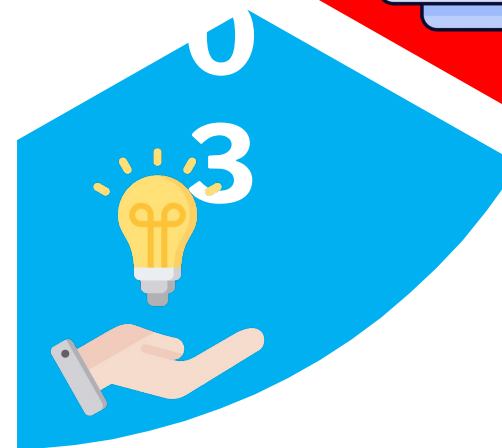
The product will be used frequently



The product will be useful for a certain audience.



We will determine the reasons contributing to the wrong choice of profession and find their solution



List of sources used:

1. Christine White. , What's a Competitive Analysis & How Do You Conduct One?,№1, 2021 y.
2. Myk Pono, Competitive Analysis: How To Conduct A Comprehensive Competitive Analysis, №2,2018y.
3. Kaleigh Moore, How to Conduct a Competitive Analysis for Your Business (Plus a Free Template),№3, 2021 y.
4. Dina Oraz, How to choose a dream profession,№11, 2021 y. 5.BaigeNews.kz, Who do Kazakh teenagers want to become ,№11, 2021 y.
6. Erbol Kazistaev, 60% of university graduates do not work by profession. Why is this happening? ,№11, 2019 y.
7. Kosarev A. ,Hexagonal architecture, and how I came to it,№1, 2020 y. 8.Robert C. Martin , Clean architecture. The Art of Software Development, №22, 2018 y.

Reference:

1. <https://blog.hubspot.com/marketing/competitive-analysis-kit> <https://www.mykpono.com/how-to-conduct-competitive-analysis/>
<https://www.shopify.com/blog/competitive-analysis> https://el.kz/ru/specprojects/profnavigator/kak_vybrat_professiyu_mechty/
<https://yk.kz/news/obshhestvo/kem-xotyat-stat-kazaxstanskije-podrostki-158141.html>
2. <https://informburo.kz/stati/60-vypusnikov-vuzov-ne-rabotayut-po-professii-pochemu-takproishodit.html>
3. <https://gb.ru/blog/kak-vybrat-professiyu/> <https://zen.yandex.ru/media/workstyles/pochemu-molodeji-slojno-naiti-rabotu5dfae9b11febd400b9d08374> <https://alexkosarev.name/2020/06/12/hexagonal-architecture/>
<https://habr.com/ru/company/alconost/blog/522662/> <https://gb.ru/posts/methodologies>
4. <https://kissflow.com/project/best-project-management-tools/> <https://files.eric.ed.gov/fulltext/ED078336.p>



**Thank for
attention!!!**

