

## Appendix 2. The task of the Bachelor's final project

KAUNAS UNIVERSITY OF TECHNOLOGY

APPROVED: \_\_\_\_\_

(BBP coordinator)

*The Faculty of Informatics, Applied Informatics Department*

2022

24.02

### THE TASK OF THE BACHELOR'S FINAL PROJECT

#### 1. The topic of the Bachelor's final project:

A platform for young entrepreneurs and investors

#### 2. The aim of the Bachelor's final project:

The aim of the project is to provide a multi-functional platform for the entrepreneurs and investors, where they can find each other in easier and faster.

#### 3. The objectives of the Bachelor's final project:

- 1) Analyze of similar systems that exist in the market from different aspects and taking the useful and unuseful sides of them to define the strategy and functionalities of the project according to those aspects.
- 2) Correct design and setup of database with different types of relationships according to the functionalities of the system.
- 3) Implementation of functionalities and creating API endpoints for providing communication between back-end and front-end developed after server-side tasks.
- 4) Testing the application by providing fake data and fixing bugs according to the results.

#### 4. The deadlines for submitting the Bachelor's final project:

To the supervisor (8 work days before the defence at the Department): 20\_\_ May \_\_

To the reviewer (6 work days before the defence at the Department): 20\_\_ May \_\_

To the Committee (3 work days before the defence at the Department): 20\_\_ May \_\_

#### 5. Functional requirements for the object or system to be developed:

##### • Administrator

- Create admin accounts and assign roles to users
- Delete users from the system
- Update user information for all user roles
- View the project and blog posts from startup accounts and investors
- View provided documents from investors, in case of need according to some existing regulations for them.
- Confirmation of investor profile when needed
- Create tags for project posts and skills of people
- Create, edit and delete the categories for the project posts
- Create, edit and delete the categories for the blogs by investors
- View and delete the comments from different users for all type of posts

- Investor

- Login to the investor account
- Leave comment for the project posts
- Leave reaction for the project posts
- Use real-time chat for reaching the startup owners and skilled people
- Add, delete projects from which list
- Create, update and delete blog post
- Create discussion in the form of investors
- Search projects, investors and other people with different filters
- View the projects on the profile of investor which have been invested by him/her
- Report a problem regarding the system with priority
- Get invoice through email

- Startup owner

- Create, update and delete project posts as a owner
- Define the project post purpose
- Leave comment for the project posts
- Leave reaction for the project posts of others
- Use real-time chat for reaching the startup owners and skilled people
- Applying filters for easier search of investors and skilled people
- View the projects on the profile of investor which have been invested by him/her
- Report a problem regarding system issues

- Skilled people

- Creation of account with very deep information about their experience
- Leave comment for the project posts
- Leave reaction for the project posts
- Use real-time chat for reaching the startup owners
- Search projects, investors and other people with different filters
- Report a problem regarding system issues

- Guests

- Create account
- Premium registration in case of investor by paying some amount through website
- Sign in using Google Account
- View the project posts by project owners
- Send CV for having a career

6. Non-functional requirements for the object or system to be developed:

- 1) **Storage and Privacy** – Data of users are privately stored and not shared with any third-parties. The passwords are not reachable even for admins, as they are automatically saved to the database after hashing with MD5 method.
- 2) **Performance** – User redirect after login should be between 1-3 seconds to provide high performance.
- 3) **Data integrity** – During system update or maintenance, the users will not be able to do operations.
- 4) **Efficiency** – Web app run on any device with the capability of maintaining a specified level of performance and it is responsive to big screen PCs, laptops, phones and tablets.

7. Other requirements (e.g. to the operational system, software, technical equipment, and testing):

**Operational system:** Any operating system that has an access to any internet browser.

Supervisor:

Cenker Canbulut



(name, last name, signature)

Date:

2022 February 24

(date of arrangement)

Student:

Rufat Abdullayev



(name, last name, signature)

Date:

2022 February 24

(date of arrangement)

### Appendix 3. The execution schedule of Bachelor's final project

KAUNAS UNIVERSITY OF TECHNOLOGY  
The Faculty of Informatics  
6121BX010 Informatics Study Program  
Individual set of modules specialization

#### BAIGIAMOJO PROJEKTO UŽDUOTIES VYKDYMO GRAFIKAS

No.	Stage	Deadline
1.	Analysis of similar systems and making decision about how functional will the system be.	05.02.2022 – 25.02.2022
2.	Initial installation of the project	26.02.2022
3.	Creating use case, class and activity diagrams.	27.02.2022 – 02.03.2022
4.	Creating database scheme and setup of it on the project.	03.03.2022 – 05.03.2022
5.	Implementation of all functionalities on the back-end.	06.03.2022 – 30.03.2022
6.	Building API endpoints and test of them	31.03.2022 – 07.04.2022
7.	Implementing front-end design of the website.	08.04.2022 – 25.04.2022
8.	Testing of the whole system and bug fixes if needed.	26.04.2022 – 31.04.2022
9.		
10.		
11.		
12.		
...		

Supervisor: Cenker Canbulut

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