**Students Final Project Task**

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**Target**

Develop Startup Service System to fulfil startup projects.

**Approach**

Development should be split into following areas:

1. DB development(MySql)
2. Middle-layer development (Java 8, Spring MVC, Spring Security, Hibernate)
3. Front-end development (Java, JavaScript, HTML, CSS, Angular).

**Description**

System is web based tool that is used for creation and management of startup projects.

**Related documentation**

The following documentation should be delivered with the code and working software:  
1) Low-level design – software architecture design  
2) Use Cases – diagrams and description  
3) DB ER – diagram  
4) Test Cases

**Functional Requirements**

|  |  |
| --- | --- |
| **Registration and user management** | |
| GOIT.1 | Next user roles exist in the system:  Administrator, Investor, Founder |
| GOIT.2 | Investor and Founder can register in system themselves |
| GOIT.3 | Administrator can delete or edit founder and investor accounts |
| GOIT.4 | System should validate all fields for correct entry |
| GOIT.5 | When investor or founder registers, confirmation letter with confirmation link should be sent to investor email address |
| GOIT.6 | Account blocking is performed by administrator |
| GOIT.7 | The system should provide possibility to any user from Internet to register as investor or founder. |
| **User Roles** | |
| GOIT.8 | It’s possible to perform investment without registration. |
| GOIT.9 | Administrator able to edit, remove and block projects. |
| GOIT.10 | Founder can create, edit and delete projects. |
| GOIT.11 | Investor can invest in different projects |
| GOIT.12 | Founder can have many projects. |
| **Projects** | |
| GOIT.13 | Project include description, picture, attachments, investments(current, necessary), comments, rating, category, valuation, author |
| GOIT.14 | It’s possible to filter and sort projects by category, date, investments(current, necessary), valuation, rating |
| GOIT.15 | Projects can be opened, blocked, succeed, failed. |
| **Reports** | |
| GOIT.16 | It’s possible to make report for all project and their investments. |
| GOIT.17 | It’s possible to make report for all founders and their projects. |
| GOIT.18 | It’s possible to make report for all investors and their investments. |
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