Requirements / Design and Test Documentation

**(RDT)**

*Version 0.**1*

GESCOPYME

TODO: Description of the project…

Change history:

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Author** | **Date** | **Notes/ Changes** |
| 0.1 | Vadim Budagov | 15.02.2020 | Create RDT |
| 0.2 | Vadim Budagov | 21.02.2020 | System Context Diagram |
| 0.3 | Vadim Budagov | 22.02.2020 | Started with requirements analysis |
| 0.4 | Vadim Budagov | 27.02.2020 | Some use cases are created |

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# Organization

The organization during the project will be described here.

## Responsibilities

|  |  |
| --- | --- |
| **Name** | **Responsibility** |
| **Vadim Budagov** | Design, Development, Test, Documentation, Presentation |
|  |  |

## Stakeholder

|  |  |
| --- | --- |
| **Stakeholder** | **Description** |
| **Admin** | Has access to the front and back end. Is able to modify the system and access rights. Overview of the whole system. |
| **Companies** | Have access to the application from the front end. Manages all the data of the company. Can modify the company's data, view its users and its data. Furthermore, is able to register, delete and modify the product data, knowledge and surveys associated with that company. |
| **Employee of a company** | Has access to the application from the frontend. Can view all the data related to the company (company data, users, products, knowledge and surveys) but can't register new or modify existing data. |
| **Client** | Has access to the application from the front end. This is a user which isn't registered in the application. The only action he can take is to fill out surveys. |

## Agreements

//TODO

## Repository-Concept

//TODO ‘Link: https://github.com/ace146/gescopyme’

# Project management

Waterfall chart?

## Prozess

//TODO

## Milestones

//TODO

## Quality assurance

//TODO

# Boundary conditions

## Working Environment

The following software / services are used in the project:

* GitHub (Version Control System)
* Apache NetBeans (IDE)
* XAMPP (Apache-Distribution)
* Joomla (Content-Management-System)

## Programming Languages

The project will be implemented in PHP, (JavaScript)

# Requirements and Use Cases

A list of all requirements of the system.

## Requirements

|  |  |  |
| --- | --- | --- |
| **Nr** | **Type** | **Descriptions** |
| REQ-001 | Back-End: new companies. | Admin creates and manage new companies in system. |
| REQ-002 | Back-End: new knowledge. | Admin creates and manages the new knowledge. |
| REQ-003 | Back-End: new products. | Admin creates and manages the new products in system. |
| REQ-004 | Back-End: questions for survey. | Admin creates and manages questions for the general part of the survey. |
| REQ-005 | Front-End: Visualize company data. | Administrator of a company can has his company's data output/ Visualization. |
| REQ-006 | Front-End: Create knowledge. | Administrator of a company creates and manages the knowledge and associate actions to them |
| REQ-007 | Front-End: Create products | Administrator of a company creates, manages products and associate the knowledge to them. |
| REQ-008 | Front-End: Create questions | Administrator creates and manages the questions for the part of the company and product survey. |
| REQ-009 | Front-End: Visualize the result of a specific survey | Administrator of a company can visualize the survey in text form |
| REQ-010 | Front-End: Export the surveys | Administrator can export the surveys of his company to a file in CSV format. |
| REQ-011 | Client: response of survey | A client selects a company and a product to respond to the survey. |
| REQ-012 |  |  |

## Use Cases

|  |
| --- |
| Use Case Nr: 01 |
| Name | Back-End: Create and manage new company |
| Author | Vadim Budagov |
| Priority | High |
| Requirements | REQ-001 |
| Trigger | New company should be created and stored in the DB |
| Stakeholder | Administrator |
| Precondition | Admin is already logged in to Joomla. |
| Postcondition | The created company with information is displayed. |
| Result | New company is created and stored in the system. |
| Main scenario | 1. Admin selects the option 'company' 2. Admin selects the option ‘new’ 3. Admin enters the company information 4. Press ‘save’ information |
| Alternative scenario |  |
| Failure scenario | 4. It will be checked if all the requested parameters have been entered and in the correct format. Otherwise an error message is issued.  4. To abort the operation, the button 'cancel' should be selected. |

|  |
| --- |
| Use Case Nr: 02 |
| Name | Back-End: Create and manage new knowledge |
| Author | Vadim Budagov |
| Priority | High |
| Requirements | REQ-002 |
| Trigger | Admin wants to create and to store the knowledge information in the DB |
| Stakeholder | Administrator |
| Precondition | Admin is already logged in to Joomla. |
| Postcondition | The created knowledge with information is displayed. |
| Result | Knowledge is created and stored in the system. |
| Main scenario | 1. Admin selects the option 'company' 2. Admin selects the option ‘new knowledge’ 3. Admin enters the knowledge information 4. Press ‘save’ information |
| Alternative scenario |  |
| Failure scenario | 4. It will be checked if all the requested parameters have been entered and in the correct format. Otherwise an error message is issued.  4. To abort the operation, the button 'cancel' should be selected. |

|  |
| --- |
| Use Case Nr: 03 |
| Name | Back-End: Create and manage new products |
| Author | Vadim Budagov |
| Priority | High |
| Requirements | REQ-003 |
| Trigger | Admin wants to create and insert a new product in the DB |
| Stakeholder | Administrator |
| Precondition | Admin is already logged in to Joomla. |
| Postcondition | The created product with information is displayed. |
| Result | New product is created and stored in the system. |
| Main scenario | 1. Admin selects the option 'product' 2. Admin selects the option ‘new product’ 3. Admin enters the product information/description 4. Press ‘save’ |
| Alternative scenario |  |
| Failure scenario | 4. It will be checked if all the requested parameters have been entered and in the correct format. Otherwise an error message is issued.  4. To abort the operation, the button 'cancel' should be selected. |

|  |
| --- |
| Use Case Nr: 04 |
| Name | Back-End: Create and manage new questions for the general part of the survey. |
| Author | Vadim Budagov |
| Priority | High |
| Requirements | REQ-004 |
| Trigger | New surveys are to be carried out. |
| Stakeholder | Administrator |
| Precondition | Admin is already logged in to Joomla. |
| Postcondition | The created questions for a survey are displayed. |
| Result | New questions are created and stored in the system. |
| Main scenario | 1. Admin selects the option 'survey' 2. Admin selects the option ‘new question’ 3. Admin enters new questions 4. Press ‘save’ |
| Alternative scenario | //TODO |
| Failure scenario | 4. It will be checked if all the requested parameters have been entered and in the correct format. Otherwise an error message is issued.  4. To abort the operation, the button 'cancel' should be selected. |

|  |
| --- |
| Use Case Nr: 05 |
| Name | Front-End: Visualize the company data |
| Author | Vadim Budagov |
| Priority | High |
| Requirements | REQ-005 |
| Trigger | An admin of a company wants to visualize the information of his own company |
| Stakeholder | Administrator of a company |
| Precondition | Admin is already logged in to Front-End. |
| Postcondition | All information of the company is visible for Admin. |
| Result | The company data is displayed. |
| Main scenario | 1. Admin selects his own company 2. Admin selects the option ‘show information’ |
| Alternative scenario | //TODO |
| Failure scenario | 3. The authority of the admin and the company will be checked. Otherwise an error message is issued, and procedure will be aborted. |

|  |
| --- |
| Use Case Nr: 06 |
| Name | Front-End: Create and manage new knowledge |
| Author | Vadim Budagov |
| Priority | High |
| Requirements | REQ-006 |
| Trigger | Administrator of a company creates and manages the knowledge and associate actions to them. |
| Stakeholder | Administrator of a company |
| Precondition | Admin is already logged in to Front-End. |
| Postcondition | The created knowledge with information is displayed. |
| Result | Knowledge is created and stored in the system. |
| Main scenario | 1. Admin selects the option 'company' 2. Admin selects the option ‘new knowledge’ 3. Admin enters the knowledge information 4. Press ‘save’ information |
| Alternative scenario | //TODO |
| Failure scenario | 4. It will be checked if all the requested parameters have been entered and in the correct format. Otherwise an error message is issued.  4. To abort the operation, the button 'cancel' should be selected. |

|  |
| --- |
| Use Case Nr: 07 |
| Name | Front-End: |
| Author | Vadim Budagov |
| Priority | High |
| Requirements | REQ-007 |
| Trigger |  |
| Stakeholder | Administrator of a company |
| Precondition | Admin is already logged in to Front-End. |
| Postcondition |  |
| Result |  |
| Main scenario | 1. Admin selects the option 'company' 2. Admin selects the option ‘new knowledge’ 3. Admin enters the knowledge information 4. Press ‘save’ information |
| Alternative scenario | //TODO |
| Failure scenario | 4. |

|  |
| --- |
| Use Case Nr: 08 |
| Name | Front-End: |
| Author | Vadim Budagov |
| Priority | High |
| Requirements | REQ-008 |
| Trigger |  |
| Stakeholder | Administrator of a company |
| Precondition | Admin is already logged in to Front-End. |
| Postcondition |  |
| Result |  |
| Main scenario | 1. Admin selects the option 'company' 2. Admin selects the option ‘new knowledge’ 3. Admin enters the knowledge information 4. Press ‘save’ information |
| Alternative scenario | //TODO |
| Failure scenario | 4. |

|  |
| --- |
| Use Case Nr: 09 |
| Name | Front-End: |
| Author | Vadim Budagov |
| Priority | High |
| Requirements | REQ-009 |
| Trigger |  |
| Stakeholder | Administrator of a company |
| Precondition | Admin is already logged in to Front-End. |
| Postcondition |  |
| Result |  |
| Main scenario | 1. Admin selects the option 'company' 2. Admin selects the option ‘new knowledge’ 3. Admin enters the knowledge information 4. Press ‘save’ information |
| Alternative scenario | //TODO |
| Failure scenario | 4. |

|  |
| --- |
| Use Case Nr: 10 |
| Name | Front-End: |
| Author | Vadim Budagov |
| Priority | High |
| Requirements | REQ-010 |
| Trigger |  |
| Stakeholder | Administrator of a company |
| Precondition | Admin is already logged in to Front-End. |
| Postcondition |  |
| Result |  |
| Main scenario | 1. Admin selects the option 'company' 2. Admin selects the option ‘new knowledge’ 3. Admin enters the knowledge information 4. Press ‘save’ information |
| Alternative scenario | //TODO |
| Failure scenario | 4. |

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| --- |
| Use Case Nr: 11 |
| Name | Client: |
| Author | Vadim Budagov |
| Priority | High |
| Requirements | REQ-011 |
| Trigger |  |
| Stakeholder | Administrator of a company |
| Precondition | Admin is already logged in to Front-End. |
| Postcondition |  |
| Result |  |
| Main scenario | 1. Admin selects the option 'company' 2. Admin selects the option ‘new knowledge’ 3. Admin enters the knowledge information 4. Press ‘save’ information |
| Alternative scenario | //TODO |
| Failure scenario | 4. |

# Design

## System Context Diagram and Packages

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Automatisch generierte Beschreibung

Ein Bild, das Screenshot enthält.

Automatisch generierte Beschreibung

Ein Bild, das Screenshot enthält.

Automatisch generierte Beschreibung

## List and description of the components

|  |  |
| --- | --- |
| **Component** | **Description** |
| name | … |

## Component /Class Diagramm

## State Machines? May be!

# Attachment

## Glossary

|  |  |
| --- | --- |
| **Term** | **Explanation** |
|  |  |

## Acronym