Analysis Document

Group: Team Bae

Members: Ralph, Martijn, Max, Lars, Gijs

Class: S3 DB-03

Tutor: Mark Mestrom

Date: 28-11-2023

Inhoudsopgave

[Requirements 3](#_Toc152058655)

[Use-cases 4](#_Toc152058656)

[Test-cases 6](#_Toc152058657)

[UI design 9](#_Toc152058658)

# Requirements

**FR-01: The application has a system for authentication and user authorization**  
 B-01.1: The user can only login with their credentials  
 B-01.2: The user must confirm the login by opening a link send to their email

K-01.1: The login cookie expires after 5 minutes.

**FR-02: The user can add AI systems to their company's list.**   
 B-02.1: The User must be authorized by an admin to add AI systems to their company's list.  
 K-02.1: The User can easily select the systems their company is using.

**FR-03 The user can view a list of the AI systems registered to the company.**   
 B-03.1: The system auto-detects AI systems used by the systems linked to the service  
 K-03.1: The system needs to show a clear list of AI systems.

**FR-04 The user can edit the list of AI systems if they have admin privileges**  
 B-04.1: The user can only edit the list of AI systems if he has authorization to do it.

B-04.2: The AI system can only be editted if all details have been filled in.  
 K-04.1: The system needs to make clear which button is the edit button.

**FR-05 The user can accept systems to be sent to the company's registry**

B-05.1: The user can only send the list to an AI register if he selected at least 1 system.

B-05.2. The user must be authorized to approve or reject.  
 K-05.1: The user can select multiple or all systems.

# Use-cases

Usecase01: User Authentication and Authorization: FR-01

|  |  |
| --- | --- |
| Samenvatting | An authorized user is trying to gain access to restricted functionalities. |
| Actors | User |
| Aannamen | The user is not logged in yet. |
| Scenario | 1. User navigates to the login page. 2. The system presents a login form. 3. The User enters his login details. [U1] 4. The system validates the user credentials. 5. The system sends an confirmation email to the user's company email. 6. The user clicks the corresponding link. [U2] 7. The system presents the page with data. |
| Uitzonderingen | [U1] B-01.1: The User must put in his correct credentials.  Error: The user receives an error message indicating that the Username or Password is incorrect.  [U2] B-01.2: The user rejects the login by not clicking the link.  Error: K-01.1 The link expires after 5 minutes. |
| Resultaat | The authorized user gains access to restricted functionalities |

Usecase02: Add AI Systems to Company List: FR-02

|  |  |
| --- | --- |
| Samenvatting | An authorized user can add AI systems to their company’s list. |
| Actors | User |
| Aannamen | The User is authorized by an admin.  The user is logged in |
| Scenario | 1. The system presents the available options 2. The User selects the AI system. 3. The system confirms his selection. 4. The user finalizes his decision |
| Uitzonderingen | [U1] B-02.1: The System displays an error message stating that the user is not authorized to perform this action. |
| Resultaat | The user added an AI-system to his company list. |

Usecase 03: View List of Registered AI Systems: FR-03

|  |  |
| --- | --- |
| Samenvatting | An authorized user wants to view the company AI-list. |
| Actors | User |
| Aannamen | The User is part of the company  The user is logged in |
| Scenario | 1. The system presents available options 2. The user clicks on "My AI systems" 3. System displays full list of AI-services. |
| Uitzonderingen | [U3] B-03.1: The system automatically detects AI-services used by the systems linked to the service. |
| Resultaat | User sees a full list of AIs currently in use |

Usecase04: Editing list of AI Systems: FR-04

|  |  |
| --- | --- |
| Samenvatting | The admin wants to change certain details of the list with AI-systems. |
| Actors | User |
| Aannamen | User has admin authorization |
| Scenario | 1. User logs in [U1] 2. System presents available options 3. User clicks on "My AI systems" 4. System presents available AI systems 5. User Clicks on edit AI system 6. System presents available details of the AI system. 7. User edits a detail of the AI system [U2] 8. System presents a confirmation 9. User confirms it 10. System says, you've succesfully edited an AI system |
| Uitzonderingen | [U1] B-04.1: The User can only edit AI systems if he has authorization to do so.  Error: The User hasn't got authorization to edit a system. The system will present an error message.  [U2] B-04.2: The User can only edit an AI system if all details are filled in.  Error: The user hasn't filled every detail of the AI system. The system will present an error message. |
| Resultaat | The User has succesfully editted an AI system. |

Usecase05: User can add AI-services to the register: FR-05

|  |  |
| --- | --- |
| Samenvatting | An authorized user can add AI-services to the register. |
| Actors | User |
| Aannamen | The user is already logged in. The user is authorized by an admin. |
| Scenario | 1. The system presents available options 2. The user clicks on "My AI systems" 3. The system presents the user with a list of AI systems. 4. The user selects one or multiple AI [U1] systems from the list. (K-05.1) 5. The user clicks on "Add AI system" 6. The system presents details for adding a new system. 7. The user fills all details of the system. 8. The system presents a confirmation. 9. The User confirms it. 10. The system sends the selected AI to the companies register. |
| Uitzonderingen | [U1] The user doesn't select atleast one AI system -> Error message. (B-05.1)  The user doesn't have the authorization AI -> Error message. (B-05.2) |
| Resultaat | The user adds an AI-service to the register |

# Test-cases

|  |  |  |  |
| --- | --- | --- | --- |
| **Test-Cases** | **Use-Cases** | **Input** | **Expected output** |
| TC01 | UC01 | Description: logging into the application.  Login page link, username, password | List of AI-services |
| TC02 | UC02 | Description: adding a new AI-service to the list.  Admin confirmation,  Id: 1  Type: LLM  Owner: OpenAI  Purpose: FAQ answering | A list with an AI-service with  Id: 1  Type: LLM  Owner: OpenAI  Purpose: FAQ answering |
| TC03 | UC03 | Description: pulling up the list of all AI-services.  Click on "My AI-systems" button | List of all AI-systems currently in use |
| TC04 | UC04 | Description: edit a openAI service  Permision to edit granted,  change purpose parameter to “general queries” | OpenAI service with the purpose listed as "general queries" |
| TC05 | UC05 | Description: add a AI-service to the register  Register OpenAI service | A registered list with the openAI service present |

Test matrix

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **B-01.1** | **B-01.2** | **K-01.1** | **B-02.1** | **K-02.1** | **B-03.1** | **K-03.1** | **B-04.1** | **B-04.2** | **K-04.1** | **B-05.1** | **B-05.2** | **K-05.1** |
| **TC01** | **x** | **x** | **x** |  |  |  |  |  |  |  |  |  |  |
| **TC02** |  |  |  | **x** | **x** |  |  |  |  |  |  |  |  |
| **TC03** |  |  |  |  |  | **x** | **x** |  |  |  |  |  |  |
| **TC04** |  |  |  |  |  |  |  | **x** | **x** | **x** |  |  |  |
| **TC05** |  |  |  |  |  |  |  |  |  |  | **x** | **x** | **x** |

# UI design

Afbeelding met schermopname, plein, tekst, ontwerp

Automatisch gegenereerde beschrijving

Afbeelding met tekst, schermopname, software, Webpagina

Automatisch gegenereerde beschrijving

Afbeelding met tekst, schermopname, software, multimedia

Automatisch gegenereerde beschrijving

Afbeelding met schermopname, computer, software, tekst

Automatisch gegenereerde beschrijving