**URS**



**Author:** Stefan-Nikola Stanev

**Date:** 02-03-2022

**Version:** Version 2.0

**Status:** Finished

Contents

1. **Agreements with client**
2. **Functional** **requirements** Error! Bookmark not defined.
3. **Use** **cases** Error! Bookmark not defined.
4. **Screenshots**

**Agreements with client**

Functional Requirements

|  |  |  |
| --- | --- | --- |
| ID | Name | Priority |
| FR01 | Admins, event managers and users can log in the system | M |
| FR02 | Admins, event managers and users can log out of the system | M |
| FR03 | Admin can add branch | M |
| FR04 | Admin can edit branch | M |
| FR05 | Admin can delete branch | M |
| FR06 | Admin can add user | M |
| FR07 | Admin can edit user | M |
| FR08 | Admin can delete user | M |
| FR09 | Event organizer and user can read information about an event | M |
| FR10 | Event organizer can create an event | M |
| FR11 | Event organizer can edit an event | C |
| FR12 | Event organizer can remove an event | C |
| FR13 | User can upload a photo | M |
| FR14 | Student can sign up for an event | M |
| FR15 | Student can cancel sign up for an event | M |
| FR16 | Event organizer can scan a user’s qr code to check if they are signed up | C |
| FR17 | Web application is installable | C |

Non-Functional Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Name | Priority | |
| NFR01 | Code maintainability | | M |
| NFR02 | Performance | | C |
| NFR03 | User friendliness | | M |
| NFR04 | Scalability | | C |

M – Must C - Could

Use Cases

|  |  |
| --- | --- |
| UC01 | Admins and Customers can log in the system |
| FR | FR01 |
| Actors | Admin  Customer |
| Description | To get access to the web/desktop system's functionality, actors should be able to log in in  the system using their credentials. |
| Main Success Scenario (MSS) | 1. The actor enters their credentials in the systems form. 2. The actor clicks a button. 3. They system checks if the entered data is correct. 4. Then it allows the user to enter the rest of the program. |
| Pre-Condition | The actor knows his credentials and has the application running, but is not logged in. |
| Post-Condition | The actor is logged in and can perform multiple operations |
| Extensions | 1a: Incorrect credentials  - The system doesn’t allow the actor to enter and the user gets a message that he’s entered wrong credentials. |

|  |  |
| --- | --- |
| UC02 | Admins and Customers can log out in the system |
| FR | FR02 |
| Actors | Admin  Customer |
| Description | When the actor is done with his work, he can quit the program by logging out. |
| Main Success Scenario (MSS) | 1. The actor clicks on the log out button. 2. System logs out the actor. |
| Pre-Condition | The actor is already logged in. |
| Post-Condition | The actor is logged out |
| Extensions |  |

Desktop

|  |  |
| --- | --- |
| UC03 | Admin can add Branch |
| FR | FR03 |
| Actors | * Admin |
| Description | Actors can create a Branch. |
| Main Success Scenario (MSS) | 1. Actor navigates to branches page 2. Actor clicks the “+” button. 3. Actor fills out the name about the branch. 4. The system adds the branch. |
| Pre-Condition | The actor has a role of an Admin in the system. |
| Post-Condition | The actor successfully created a branch, that can be seen by all users of  the system. |
| Extensions | 2a: No data   * The system doesn’t allow the actor to add the Branch. It gives a message that prompts the user to input a name. * Return to MSS step 3 |

|  |  |
| --- | --- |
| UC04 | Admin can edit Branch |
| FR | FR04 |
| Actors | * Admin |
| Description | Actors can rename the branches. (desktop app) |
| Main Success Scenario (MSS) | 1. Actor navigates to the branches page 2. Actor selects the Branch to be renamed. 3. Actor edits the existing name of the branch. |
| Pre-Condition | The actor has a role of an Admin in the system. |
| Post-Condition | The actor successfully updated a branch. |
| Extensions |  |

|  |  |
| --- | --- |
| UC05 | Admin can delete Branch |
| FR | FR05 |
| Actors | * Admin |
| Description | Actors can delete existing Branch. (desktop app) |
| Main Success Scenario (MSS) | 1. Actor navigates to the branches page 2. Actor selects the Branch to be removed. 3. Actor removes branch |
| Pre-Condition | There must be already be a created Branch to be deleted. |
| Post-Condition | The actor successfully deleted Branch. |
| Extensions |  |

|  |  |
| --- | --- |
| UC06 | Admin can add User |
| FR | FR06 |
| Actors | * Admin |
| Description | Actors can create a User. |
| Main Success Scenario (MSS) | 1. Actor navigates to users page 2. Actor clicks the “+” button. 3. Actor fills out the information about the user. 4. The system adds the user. |
| Pre-Condition | The actor has a role of an Admin in the system. |
| Post-Condition | The actor successfully created a user, that can be seen by all users of  the system. |
| Extensions |  |

|  |  |
| --- | --- |
| UC07 | Admin can edit User |
| FR | FR07 |
| Actors | * Admin |
| Description | Actors can edit the users. (desktop app) |
| Main Success Scenario (MSS) | 1. Actor navigates to the users page 2. Actor selects the User to be changed. 3. Actor edits the existing information of the user. |
| Pre-Condition | The actor has a role of an Admin in the system. |
| Post-Condition | The actor successfully updated a user. |
| Extensions |  |

|  |  |
| --- | --- |
| UC08 | Admin can delete User |
| FR | FR08 |
| Actors | * Admin |
| Description | Actors can delete existing User. (desktop app) |
| Main Success Scenario (MSS) | 1. Actor navigates to the users page 2. Actor selects the User to be removed. 3. Actor removes user |
| Pre-Condition | There must be already be a created User to be deleted. |
| Post-Condition | The actor successfully deleted User. |
| Extensions |  |

Website

|  |  |
| --- | --- |
| UC09 | Event organizer and user can read information about an event |
| FR | Event organizer and user can read information about an event |
| Actors | * Admin * Customer |
| Description | Actor can view details about events. |
| Main Success Scenario (MSS) | 1. Actor navigates to the list of events 2. Actor selects the event to be viewed. |
| Pre-Condition | There must be already created event to be viewed. |
| Post-Condition | The actor successfully viewed an event. |
| Extensions |  |

|  |  |
| --- | --- |
| UC10 | Event organizer can create an event |
| FR | FR10 |
| Actors | * Event organizer |
| Description | Event organizer can create an event with a picture and information |
| Main Success Scenario (MSS) | 1. Actor navigates to the page for creating events 2. System requires information 3. Actor fills the information 4. Actor creates event |
| Pre-Condition | Actor must be logged in |
| Post-Condition |  |
| Extensions |  |

|  |  |
| --- | --- |
| UC11 | Event organizer can edit an event |
| FR | FR11 |
| Actors | * Event organizer |
| Description | Event organizer can edit the picture and information of events |
| Main Success Scenario (MSS) | 1. Actor navigates to the page for events 2. Actor chooses event 3. Actor navigates to the page for editing the event 4. System requires information 5. Actor fills the information 6. Actor saves the event changes |
| Pre-Condition | Actor must be logged in |
| Post-Condition |  |
| Extensions |  |

|  |  |
| --- | --- |
| UC12 | Event organizer can remove an event |
| FR | FR12 |
| Actors | * Event organizer |
| Description | Event organizer removes an event |
| Main Success Scenario (MSS) | 1. Actor navigates to an event 2. Actor attempts to remove event 3. System prompts for confirmation 4. Actor confirms |
| Pre-Condition | Actor must be logged in and the event must be creted. |
| Post-Condition |  |
| Extensions |  |

|  |  |
| --- | --- |
| UC13 | User can set a profile image |
| FR | FR13 |
| Actors | * Event organizer * Student Comitee |
| Description | The user can choose a photo to be displayed in the contacts page |
| Main Success Scenario (MSS) | 1. Actor navigates to the profile page 2. Actor attempts to change photo 3. Actor chooses another picture |
| Pre-Condition | Actor must be logged in |
| Post-Condition |  |
| Extensions |  |

|  |  |
| --- | --- |
| UC14 | Student can sign up for an event |
| FR | FR14 |
| Actors | * Student |
| Description | Student can sign up for an event |
| Main Success Scenario (MSS) | 1. Actor navigates to an event’s page 2. Actor signs up |
| Pre-Condition | Actor must be logged in |
| Post-Condition |  |
| Extensions | 2a. Actor is already signed up   * Actor cancels * Return to MSS step 2   2b Event is fully booked   * End of use case |

|  |  |
| --- | --- |
| UC15 | Student can cancel an event |
| FR | FR15 |
| Actors | * Student |
| Description | Student can cancel an event |
| Main Success Scenario (MSS) | 1. Actor navigates to an event’s page 2. Actor cancels |
| Pre-Condition | Actor must be logged in |
| Post-Condition |  |
| Extensions | 2a. Actor is not already signed up   * Actor signs up * Return to MSS step 2 |

|  |  |
| --- | --- |
| UC16 | Event organizer can scan a user’s qr code to check if they are signed up |
| FR | FR16 |
| Actors | * Event organizer * Student |
| Description | Event organizer can scan a user’s qr code to check if they are signed up |
| Main Success Scenario (MSS) | 1. Actor 1 navigates to the qr code page 2. Actor 2 navigates to their qr page or opens a camera 3. Actor 2 scans Actor 1’s page 4. The system of Actor 2 displays green |
| Pre-Condition | Actor must be logged in |
| Post-Condition |  |
| Extensions | 4a. Actor 1 is not signed up   * The system shows red |

|  |  |
| --- | --- |
| UC17 | Web application is installable |
| FR | FR17 |
| Actors | * User |
| Description | The user can download the application |
| Main Success Scenario (MSS) | 1. Actor opens web application in a browser 2. Actor attempts to install the application 3. The system adds a shortcut icon to their device |
| Pre-Condition |  |
| Post-Condition |  |
| Extensions | 2a. The device of the actor isn’t supported   * The use case is not applicable * End of use case |

Screenshots:

Desktop:

A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated with medium confidence A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generatedA screenshot of a computer login screen

Description automatically generated with low confidence

Web:

A screenshot of a login screen

Description automatically generated with low confidence A screenshot of a phone

Description automatically generated with low confidence A picture containing text, screenshot, yellow, design

Description automatically generated A screenshot of a computer program

Description automatically generated with low confidence A picture containing text, screenshot, yellow, font

Description automatically generated

A picture containing screenshot, multimedia software, graphics software

Description automatically generated A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a phone

Description automatically generated with medium confidence