

**URS**



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## Introduction

This software project aims to put together multiple tools to facilitate events management and promotion. Different users may have different levels of access and capabilities. This URS provides insight into the designed features, their priority and expected functionality as well as other additional information.

## 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

<b>FR14</b>	Student can sign up for an event	<b>M</b>
<b>FR15</b>	Student can cancel sign up for an event	<b>M</b>
<b>FR16</b>	Event organizer can scan a user's qr code to check if they are signed up	<b>C</b>
<b>FR17</b>	Web application is installable	<b>C</b>

## Non-Functional Requirements

ID	Name	Priority
<b>NFR01</b>	Code maintainability	<b>M</b>
<b>NFR02</b>	Performance	<b>C</b>
<b>NFR03</b>	User friendliness	<b>M</b>
<b>NFR04</b>	Scalability	<b>C</b>

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.
Pre-Condition	The actor has their credentials and the is application running, but is not logged in.
Trigger	The actor attempts any restricted action.
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. System requests user credentials.</li> <li>2. The actor enters their credentials.</li> <li>3. The system checks if the entered data is correct.</li> </ol> The system allows the user to enter the rest of the program.
Extensions	2a: Incorrect credentials <ol style="list-style-type: none"> <li>.1 The system doesn't allow the actor to enter.</li> <li>.2 The system displays a message that the user has entered wrong credentials.</li> </ol>

.3 Return to MSS step 2.

Post-Condition    The actor is logged in.

UC02	Admins and Customers can log out in the system
FR	FR02
Actors	Admin Customer
Description	Actor can log out.
Pre-Condition	The actor is already logged in.
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. The actor logs out.</li> <li>2. System logs out the actor.</li> </ol>
Post-Condition	The actor is logged out

#### Desktop

UC03	Admin can add Branch
FR	FR03
Actors	Admin
Description	Actors can create a Branch.
Pre-Condition	The actor has a role of an Admin in the system.
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to branches page.</li> <li>2. Actor attempt to add a branch.</li> <li>3. System requests a branch name.</li> <li>4. Actor fills out the name about the branch.</li> <li>5. The branch is added to the system.</li> </ol>
Extensions	2a: Invalid input <ol style="list-style-type: none"> <li>.1 The system doesn't allow the actor to add the Branch. It gives a message that prompts the user to input a name.</li> <li>.2 Return to MSS step 3</li> </ol>
Post-Condition	The actor successfully created a branch.

UC04	Admin can edit Branch
FR	FR04
Actors	Admin
Description	Actors can rename the branches. (desktop app)
Pre-Condition	The actor has a role of an Admin in the system.
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to the branches page</li> <li>2. Actor selects the branch to be renamed.</li> <li>3. System requests a new name.</li> </ol> Actor enters a new name for the branch.
Extensions	3a: Invalid input <ol style="list-style-type: none"> <li>.1 The system doesn't allow the actor to rename the branch.</li> <li>.2 A message prompts the user to input a name.</li> <li>.3 Return to MSS step 3</li> </ol>
Post-Condition	The actor successfully updated a branch.

UC05	Admin can delete Branch
FR	FR05
Actors	Admin
Description	Actors can delete existing Branch. (desktop app)
Pre-Condition	There must already be a created branch to be deleted.
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to the branches page.</li> <li>2. Actor selects the Branch to be removed. Actor removes branch.</li> </ol>
Post-Condition	The actor successfully deleted a branch.

UC06	Admin can add User
FR	FR06
Actors	<ul style="list-style-type: none"> <li>• Admin</li> </ul>
Description	Actors can create a User.
Pre-Condition	The actor has a role of an Admin in the system.
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to users' page.</li> <li>2. Actor attempts to add a user.</li> <li>3. System requests user information</li> <li>4. Actor fills out the information about the user.</li> <li>5. The system adds the user.</li> </ol>
Extensions	<ol style="list-style-type: none"> <li>4a. Actor fills in invalid data               <ol style="list-style-type: none"> <li>.1 The system doesn't allow the actor to rename the branch.</li> <li>.2 A message prompts the user to input a name.</li> <li>.3 Return to MSS step 3</li> </ol> </li> </ol>
Post-Condition	The actor successfully created a user, that can be seen by all users of the system.

UC07	Admin can edit User
FR	FR07
Actors	Admin
Description	Actors can edit the users. (Desktop app)
Pre-Condition	The actor has a role of an Admin in the system.
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to the user's page.</li> <li>2. Actor selects the user to be changed.</li> <li>3. Actor edits the existing information of the user.</li> </ol>
Post-Condition	The actor successfully updated a user.

UC08	Admin can delete User
FR	FR08

Actors	Admin
Description	Actors can delete existing User. (desktop app)
Pre-Condition	There must already be a created user to be deleted.
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to the users' page.</li> <li>2. Actor selects the user to be removed.</li> <li>3. Actor removes user.</li> </ol>
Post-Condition	The actor successfully deleted the user.

#### Website

UC09	Event organizer and user can read information about an event
FR	Event organizer and user can read information about an event
Actors	<ul style="list-style-type: none"> <li>• Admin</li> <li>• Customer</li> </ul>
Description	Actor can view details about events.
Pre-Condition	There must already be a created event to be viewed.
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to the list of events.</li> <li>2. Actor selects the event to be viewed.</li> <li>3. The system displays the event information.</li> </ol>
Post-Condition	The actor successfully viewed an event.

UC10	Event organizer can create an event
FR	FR10
Actors	Event organizer
Description	Event organizer can create an event with a picture and information
Pre-Condition	Actor must be logged in as an event organizer
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to the page for creating events.</li> <li>2. System requires information.</li> <li>3. Actor fills in the information.</li> <li>4. Actor creates event.</li> </ol>

UC11	Event organizer can edit an event
FR	FR11
Actors	Event organizer
Description	Event organizer can edit the picture and information of events
Pre-Condition	Actor must be logged in as event organizer
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to the page for events.</li> <li>2. Actor chooses event.</li> <li>3. Actor navigates to the page for editing the event.</li> <li>4. System requires information.</li> <li>5. Actor fills in the information.</li> <li>6. Actor saves the event changes.</li> </ol>

UC12	Event organizer can remove an event
FR	FR12

Actors	Event organizer
Description	Event organizer removes an event
Pre-Condition	Actor must be logged in as event organizer and the event must be created.
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to an event.</li> <li>2. Actor attempts to remove event.</li> <li>3. System prompts for confirmation.</li> <li>4. Actor confirms.</li> </ol>

UC13	User can set a profile image
FR	FR13
Actors	<ul style="list-style-type: none"> <li>• Event organizer</li> <li>• Student Comitee</li> </ul>
Description	The user can choose a photo to be displayed in the contacts page
Pre-Condition	Actor must be logged in
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to the profile page.</li> <li>2. Actor attempts to change photo.</li> <li>3. Actor selects a picture.</li> </ol>

UC14	Student can sign up for an event
FR	FR14
Actors	Student
Description	Student can sign up for an event
Pre-Condition	Actor must be logged in
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to an event's page.</li> <li>2. Actor signs up.</li> </ol>
Extensions	<p>2a. Actor is already signed up.</p> <ol style="list-style-type: none"> <li>.1 Actor cancels.</li> <li>.2 Return to MSS step 2.</li> </ol> <p>2b Event is fully booked.</p> <ol style="list-style-type: none"> <li>.1 End of use case.</li> </ol>

UC15	Student can cancel an event
FR	FR15
Actors	Student
Description	Student can cancel an event
Pre-Condition	Actor must be logged in
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to an event's page.</li> <li>2. Actor cancels.</li> </ol>
Extensions	<p>2a. Actor is not already signed up.</p> <ol style="list-style-type: none"> <li>.1 Actor signs up.</li> <li>.2 Return to MSS step 2.</li> </ol>



UC 16	Event organizer can scan a user's qr code to check if they are signed up	
FR	FR16	
Actors	<ul style="list-style-type: none"> <li>• Event organizer</li> <li>• Student</li> </ul>	
Description	Event organizer can scan a user's QR code to check if they are signed up	
Pre-Condition	Actor must be logged in	
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor 1 navigates to the QR code page.</li> <li>2. Actor 2 navigates to their QR page or opens a camera.</li> <li>3. Actor 2 scans Actor 1's page.</li> <li>4. The system of Actor 2 displays green.</li> </ol>	
Extensions	4a. Actor 1 is not signed up. <ol style="list-style-type: none"> <li>.1 The system shows red.</li> <li>.2 End of test case.</li> </ol>	

UC 17	Web application is installable	
FR	FR17	
Actors	User	
Description	The user can download the application	
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor opens web application in a browser.</li> <li>2. Actor attempts to install the application.</li> <li>3. The system adds a shortcut icon to their device.</li> </ol>	
Extensions	2a. The device of the actor isn't supported. <ol style="list-style-type: none"> <li>.1 The use case is not applicable.</li> <li>.2 End of use case.</li> </ol>	

UC 18	Students can make event suggestions	
FR	FR18	
Actors	Student	
Description	Students can make event suggestions, which can be accepted/denied by the event organizer	
Pre-Condition	Actor must be logged in	
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to suggestions page.</li> <li>2. System prompts actor to input event information.</li> <li>3. Actor fills in information.</li> <li>4. System notifies the event organizer that there is a suggestion.</li> </ol>	
Extensions	3a Actor provides no information. <ol style="list-style-type: none"> <li>.1 System complains that there is no information.</li> <li>.2 Return to MSS step 3.</li> </ol>	

UC 19	Event organizer can accept event suggestion	
FR	FR19	

Actors	Event organizer
Description	Event organizer can accept event suggestions made by students
Pre-Condition	Actor is logged in and there is at least one suggestion
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to suggestions page.</li> <li>2. Actor chooses a suggestion.</li> <li>3. Actor accepts suggestion.</li> <li>4. System shows an event creation page with filled in partial information.</li> <li>5. Actor fills in remaining information</li> </ol>
Extensions	3b Actor denies suggestion. .1 End of test case.

UC 20	Event organizer can broadcast messages
FR	FR20
Actors	Event organizer
Description	Event organizer can send notifications and emails through the interface
Pre-Condition	Actor is logged in
Main Success Scenario (MSS)	<ol style="list-style-type: none"> <li>1. Actor navigates to messages page.</li> <li>2. Actor fills in the message.</li> <li>3. System broadcasts the message.</li> </ol>

# Appendix

The following two appendices (A and B) consist of images of the desktop and web applications. They aim to provide insight into the availability of the features and the design and to facilitate the visual perception of the project before it is finished.

## Appendix A - Desktop:

Administration Panel

a

Branches

Accounts

Log Out

Search user by name

All

nfafo;w

Alexander Popov

a

Jessie

+

Edit student

Branch:

Amsterdam

Name:

Alexander Popov

Password:

a

Role:

StudentComitee

Email:

a@sc

Cancel

Done

Rotterdam

Cancel

Done

Administration Panel

a

Enter name

Branches

Amsterdam  
Eindhoven  
Rotterdam


Accounts

Log Out


+

## Appendix B - Web


Prev June Next




Karaoke Night  
📅 03/06, 18:00




Language Exchange  
📅 04/06, 06:00




test  
📅 04/06, 18:00



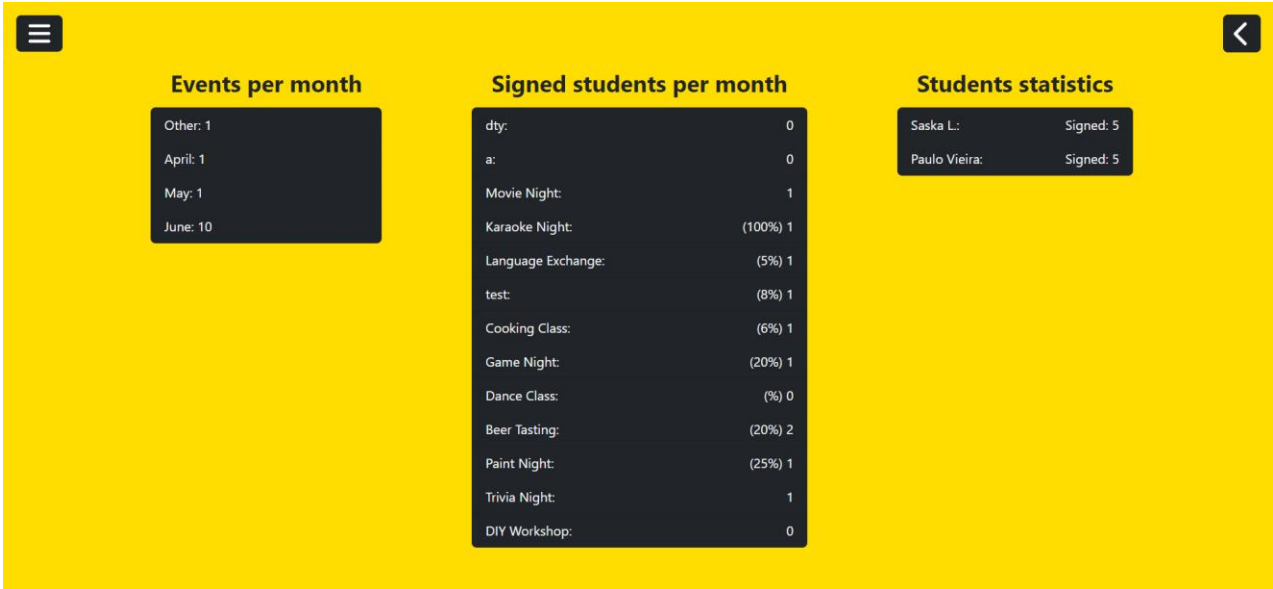
Cooking Class  
📅 04/06, 18:00



Game Night  
📅 06/06, 18:00



Dance Class  
📅 08/06, 18:00



Fill in the details:

Image

Bestand kiezen

Geen bestand gekozen

Title

Description

Start

07-06-2023 18:00

End

07-06-2023 21:00

Venue

Price

MaxParticipants

Done

