Done by the student bozachydi Yelyzaveta

USER REQUIRMENTS SPECIFICATION

2024

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# Change Log

|  |  |  |  |
| --- | --- | --- | --- |
| VERSION | CHANGES | DATE | AUTHOR |
| 0.1 |  |  |  |
| 0.2 |  |  |  |
| 0.3 |  |  |  |
| 0.4 |  |  |  |

# Team

|  |  |  |
| --- | --- | --- |
| Name | Email | PCN |
| Bozachydi Yelyzaveta | l.bozachydi@fontys.student.nl | 505092 |

# Project Tutor

|  |  |
| --- | --- |
| **Name** | **Email** |
|  |  |

# Client

Our client – representative of the company

|  |  |
| --- | --- |
| **Name** | **Email** |
|  |  |

# Agreements with the client

Deliverables

Non-deliverables

Business logic constraints

# Functional requirements

Roles: Admin, Customer

## App requirements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Identifier** | **A user should be able to** | **Target Actor** | **Use Cases** | **Priority** |
| FR-001 | Login | All users | A-UC-1 | Must have |
| FR-002 | Create an account | All users | A-UC-2 | Must have |
| FR-003 | Logout | All users | A-UC-3 | Must have |
| FR-004 | Delete an account | All users | A-UC-4 | Should have |
| FR-005 | Update account details | Admin, Customer | A-UC-5 | Should have |

## Admin Management requirements

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| --- | --- | --- | --- | --- |
| **Identifier** | **A user should be able to** | **Target Actor** | **Use Cases** | **Priority** |
| FR-101 | View Dashboard (displaying user activity, bookings, and events.) | Admin | EM-UC-1 | Must have |
| FR-102 | Modify bookings | Admin | EM-UC-2 | Must have |
| FR-103 | Cancel bookings, if needed | Admin | EM-UC-3 | Must have |
| FR-104 | Create events | Admin | EM-UC-4 | Must have |
| FR-105 | Modify events | Admin | EM-UC-5 | Must have |
| FR-106 | Delete events | Admin | EM-UC-6 | Must have |

## Customer requirements

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| **Identifier** | **A user should be able to** | **Target Actor** | **Use Cases** | **Priority** |
| FR-206 | Can view their current and past bookings | Customer | C-UC-1 | Must have |
| FR-207 | Book a session | Customer | C-UC-2 | Must have |
| FR-209 | Cancel bookings | Customer | C-UC-3 | Must have |
| FR-210 | Modify Booking | Customer | C-UC-4 | Must have |
| FR-211 | Register for Events | Customer | C-UC-5 | Must have |
| FR-212 | View Real-time Availability | Customer | C-UC-6 | Must have |

## Booking Management requirements

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| --- | --- | --- | --- | --- |
| **Identifier** | **A user should be able to** | **Target Actor** | **Use Cases** | **Priority** |
| FR-301 |  |  | VM-UC-1 | Must have |
| FR-302 |  |  | VM-UC-2 | Must have |
| FR-303 |  |  | VM-UC-3 | Must have |
| FR-304 |  |  | VM-UC-4 | Must have |
| FR-305 |  |  | VM-UC-5 | Must have |
| FR-306 |  |  | VM-UC-6 | Should have |
| FR-307 |  |  | VM-UC-7 |  |

# Use Cases

## App Requirements Use Cases (A-UC-XX)

|  |  |
| --- | --- |
| A-UC-1: User logs in |  |
| Requirements | FR-001 |
| Short description | The actor logins into the system |
| Actors | All users |
| Preconditions | No one is logged in |
| Postconditions | The actor is logged into the system |
| Basic flow | * Request to login * User fills the blank * User on the Home Page * End of the UC |
| Alternative flows | Invalid credentials:   * If the user enters incorrect credentials, the system displays an error message. * User can retry or request password recovery. |

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| A-UC-2: Account creation / Signup |  |
| Requirements | FR-002 |
| Short description | Actor creates an account |
| Actors | All users |
| Preconditions | No new accounts in the system |
| Postconditions | A new user is added into the system |
| Basic flow | * The system asks the actor to fill in his/her information * The actor fills in the information * The actor presses “Sign up” button * The Actor is now on the login page |
| Alternative flows | * Invalid input: * If the user enters invalid information (e.g., weak password, existing email), the system displays an error message. * User corrects the information and resubmits the form. |

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| A-UC- 3: User logs out |  |
| Requirements | FR-003 |
| Short description | The actor logs out of the system |
| Actors | All users |
| Preconditions | The actor must be logged in (see [**A-UC-1**]) |
| Postconditions | Actor is logged out |
| Basic flow | 1. Actor presses the “Log Out” button 2. Actor is back at the login screen |
| Alternative flows |  |

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| --- | --- |
| A-UC- 4: Admin/Manager deletes a user |  |
| Requirements | FR-004 |
| Short description | Actor deletes a user from the system |
| Actors | Administrator/Manager |
| Preconditions | The actor must be logged in (see [**A-UC-1**]) |
| Postconditions | The user is no longer in the system |
| Basic flow | 1. Actor selects the user that needs to be deleted 2. Actor presses on the “Delete” button 3. The system displays a message for double confirmation 4. Actor presses on the confirmation button |
| Alternative flows | 4A. When the Actor presses on the “Cancel” button   1. End of use case |

## Admin Management Requirements Use Cases (AD-UC-XX)

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| --- | --- |
| AD-UC-1: |  |
| Requirements | FR-101 |
| Short description |  |
| Actors | Admin |
| Preconditions | Actor must be logged in (see [**A-UC-1**]) |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| --- | --- |
| AD-UC-2: |  |
| Requirements | FR-102 |
| Short description |  |
| Actors |  |
| Preconditions | Manager must be logged in (see [**A-UC-1**]) |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| AD-UC-3: |  |
| Requirements | FR-103 |
| Short description |  |
| Actors | Admin |
| Preconditions |  |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| AD-UC-4: |  |
| Requirements | FR-104 |
| Short description |  |
| Actors | Admin, Manager |
| Preconditions | Actor must be logged in (see [**A-UC-1**]) |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| AD-UC-5: |  |
| Requirements | FR-105 |
| Short description |  |
| Actors | All users |
| Preconditions | Actor must be logged in (see [**A-UC-1**]) |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| AD-UC-6: |  |
| Requirements | FR-106 |
| Short description |  |
| Actors | Admin, Manager |
| Preconditions | Actor must be logged in (see [**A-UC-1**]) |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| AD-UC-7: |  |
| Requirements | FR-107 |
| Short description |  |
| Actors |  |
| Preconditions | Actor must be logged in (see [**A-UC-1**]) |
| Postconditions |  |
| Basic flow |  |
| Alternative Flow |  |

## Customer Requirements Use Cases (C-UC-XX)

|  |  |
| --- | --- |
| С-UC-1: |  |
| Requirements | FR-401 |
| Short description |  |
| Actors | Customer |
| Preconditions |  |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| --- | --- |
| С-UC-2: |  |
| Requirements | FR-403 |
| Short description |  |
| Actors | Customer |
| Preconditions |  |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| --- | --- |
| C-UC-3: |  |
| Requirements | FR-403 |
| Short description |  |
| Actors | Customer |
| Preconditions |  |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| --- | --- |
| C-UC-4: | |
| Requirements | FR-403 |
| Short description |  |
| Actors | Customer |
| Preconditions |  |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| C-UC-5: | |
| Requirements | FR-208 |
| Short description |  |
| Actors | Customer |
| Preconditions | Actor must be logged in (see [**A-UC-1**]), has submitted a booking request (see **[C-UC-4]**). |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

## Booking Management Use cases (BM-UC-XX)

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| --- | --- |
| BM-UC-1: |  |
| Requirements | FR-301 |
| Short description |  |
| Actors | Admin |
| Preconditions |  |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| --- | --- |
| BM-UC-2: | |
| Requirements | FR-302 |
| Short description |  |
| Actors |  |
| Preconditions |  |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| --- | --- |
| BM-UC-3: | |
| Requirements | FR-303 |
| Short description |  |
| Actors |  |
| Preconditions |  |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| --- | --- |
| BM-UC-4: | |
| Requirements | FR-304 |
| Short description |  |
| Actors |  |
| Preconditions |  |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| BM-UC-5: Search for vehicles using filters | |
| Requirements | FR-305 |
| Short description |  |
| Actors | All users |
| Preconditions |  |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| BM-UC-6: | |
| Requirements | FR-306 |
| Short description |  |
| Actors | Admin |
| Preconditions |  |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |

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| BM-UC-7: | |
| Requirements | FR-307 |
| Short description |  |
| Actors | All users |
| Preconditions |  |
| Postconditions |  |
| Basic flow |  |
| Alternative flows |  |