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| Use Case ID | 1 | |
| Use Case Name | Sign Up. | |
| Actor | User excluding Admin User. | |
| Pre-Condition | The user has no account in the system. | |
| Post-Condition | The system creates a new account for the specific user type. | |
| Flow of events | User Action | System Action |
| The user enters the email, username and password. |  |
|  | The Authentication use case is called. |
|  |  | The system displays Sign up successful. |
| Exceptions | If the account is not valid (the email already exists), then the system displays an error message. | |
| Notes and Issues |  | |
| Includes |  | |
| Extends | Authentication. | |

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| Use Case ID | 2 | |
| Use Case Name | Log In. | |
| Actor | User including Admin User. | |
| Pre-Condition | The User has an account in the system but not logged to it yet. | |
| Post-Condition | The User logged into his account. | |
| Flow of events | User Action | System Action |
| The user enters his email, password. |  |
|  | The Authentication use case is called to confirm the user data. |
|  | If the account is valid the system displays log in successful. |
| Exceptions | If the account is not valid (does not exist), the system displays an error message. | |
| Notes and Issues |  | |
| Includes |  | |
| Extends | Authentication. | |

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| Use Case ID | 3 | |
| Use Case Name | Authentication. | |
| Actor | Account System. | |
| Pre-Condition | The User data is not authenticated. | |
| Post-Condition | The User data is authenticated. | |
| Flow of events | Actor Action | System Action |
| Sign Up Case. | |
|  | Sends email, username, password and the user type. |
| The account system checks if the email exists or not. |  |
| If it exists, then the account system refuses creating the account. |  |
| If not, the new account is created. |  |
|  | Log in Case. | |
|  |  | Sends email, password, user type. |
|  | The account system checks the existence of the account. |  |
|  | If the account doesn’t exist, the account system sends an error to the system. |  |
|  | Else, the account system sends the account data to the system. |  |
| Exceptions |  | |
| Notes and Issues |  | |

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| Use Case ID | 4 | |
| Use Case Name | Log Out. | |
| Actor | User. | |
| Pre-Condition | The User is logged in. | |
| Post-Condition | The User is logged out. | |
| Flow of events | User Action | System Action |
|  | The system logs the user out of the system. |
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| Exceptions |  | |
| Notes and Issues |  | |

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| Use Case ID | 5 | |
| Use Case Name | Delete User. | |
| Actor | User, Account System. | |
| Pre-Condition | The User has an account in the system. | |
| Post-Condition | The User’s account is deleted from the system. | |
| Flow of events | Actor Action | System Action |
|  | The system asks the account system to delete the user’s account from the account system. |
| Account System: deletes the user’s account from  Account system. |  |
|  | The system displays a message to the user that his account has been deleted. |
|  | The system logged the user out of the system. |
| Exceptions |  | |
| Notes and Issues | The account is deleted from the system with all his data. | |

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| Use Case ID | 6 | |
| Use Case Name | List All Users. | |
| Actor | Admin, Account System. | |
| Pre-Condition | The admin is logged in. | |
| Post-Condition | The Users in the system is displayed to the admin. | |
| Flow of events | Actor Action | System Action |
|  | The system asks the account system for the list of the users. |
| Account System: sends a list of users to the system. |  |
|  | The system sends the users to the admin. |
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| Exceptions |  | |
| Notes and Issues | The user’s data is the ID and email. | |

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| Use Case ID | 7 | |
| Use Case Name | Add Another Admin | |
| Actor | Admin, Account System. | |
| Pre-Condition | The user is admin and logged in. | |
| Post-Condition | A new account is created for admin. | |
| Flow of events | User Action | System Action |
| The admin enters the other user’s email, username, password. |  |
|  | The system sends the data to the account system. |
| The account system creates if possible, the new account. |  |
| The account system returns the result of process to the system. |  |
|  | The system sends a message to admin showing the result. |
| Exceptions | If the email is already existed, the creation is denied, and the system sends an error message. | |
| Notes and Issues |  | |

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| Use Case ID |  | |
| Use Case Name |  | |
| Actor |  | |
| Pre-Condition |  | |
| Post-Condition |  | |
| Flow of events | User Action | System Action |
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| Exceptions |  | |
| Notes and Issues |  | |