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| --- | --- | --- | --- | --- |
| Date of creation | 12 March 2022 | | | |
| Document version | 0.2 | | | |
| Purpose of the document | This document is intended to present the specification for the system administration module of a medical clinic. | | | |
| Change history | Version | Date | Author | Description |
| 0.0.1.1 | 06.03.2022 | Mateusz Jaruga | Added README.md |
| 0.0.1.2 | 06.03.2022 | Mateusz Jaruga | Generate default project file ASP.NET (.NET Framework) |
| 0.0.2 | 08.03.2022 | Mateusz Jaruga | Updating the workspace |
| 0.0.2.1 | 09.03.2022 | Mateusz Jaruga | Updated once more files hi, started login module. |
| 0.0.2.2 | 09.03.2022 | Mateusz Jaruga | Created new class with some information about user |
| 0.0.3 | 09.03.2022 | Mateusz Jaruga | Working login system with login and password |
| 0.0.3.1 | 09.03.2022 | Mateusz Jaruga | Full login system |
|  | 0.0.3.2 | 09.03.2022 | Mateusz Jaruga | Updated login system |
| 0.0.4 | 09.03.2022 | Mateusz Jaruga | Logout of the system |
| 0.0.4.1 | 09.03.2022 | Mateusz Jaruga | Updated LoginToSystem |
| 0.0.4.2 | 09.03.2022 | Mateusz Jaruga | Added cancel button that clears the textbox |
| 0.0.4.3 | 09.03.2022 | Mateusz Jaruga | Now user can’t enter to the About.aspx page without logging in |
| 0.0.4.3.1 | 10.03.2022 | Mateusz Jaruga | Added comments |
| 0.0.4.3.2 | 10.03.2022 | Mateusz Jaruga | Updating the comments |
| 0.0.4.4 | 10.03.2022 | Mateusz Jaruga | Added label with warning about login attempts |
| 0.0.4.4.1 | 10.03.2022 | Artur Górecki | Updating the comments |
| 0.0.4.5 | 12.03.2022 | Mateusz Jaruga | Update of the warning label |
| 0.0.4.6 | 12.03.2022 | Mateusz Jaruga | Updating the IF conditional in warning label |
| 0.0.5 | 12.03.2022 | Mateusz Jaruga | Updated Administrators’ page and Employees’ page |
| 0.0.5.1 | 12.03.2022 | Hubert Nowicz | Adding the css style and changing the appearance of the login page |
| 0.0.6 | 12.03.2022 | Artur Górecki | Created a new folder to store the documents |
| 0.0.6.1 | 12.03.2022 | Artur Górecki | Added the “Functional Tests – System administration module.xlsx” file |
| 0.0.6.2 | 12.03.2022 | Artur Górecki | Deleted a temp file that was needed to create a new folder |
| 0.0.6.3 | 12.03.2022 | Hubert Nowicz | Branch merging |
| 0.0.6.4 | 12.03.2022 | Hubert Nowicz | Adding the css style and changing the appearance of the login page |
| 0.0.6.5 | 12.03.2022 | Mateusz Jaruga | Scaling branches |
| 0.0.6.6 | 12.03.2022 | Mateusz Jaruga | Reverted changes |
| 0.0.6.7 | 12.03.2022 | Mateusz Jaruga | Reverted changes |
| 0.0.6.8 | 12.03.2022 | Mateusz Jaruga | Scaling branches |
| 0.0.6.9 | 12.03.2022 | Artur Górecki | Added System Documentation.docx to /Documents |
| 0.0.7 | 13.03.2022 | Mateusz Jaruga | Added password hashing |
| 0.0.7.1 | 13.03.2022 | Mateusz Jaruga | Created new page with form to get link for resetting password |
|  | 0.0.7.2 | 17.03.2022 | Mateusz Jaruga | Security updated – prevented SQL injections |
|  | 0.0.7.3 | 17.03.2022 | Artur Górecki | Updated the documents |
|  | 0.0.7.3.1 | 17.03.2022 | Mateusz Jaruga | Branch scaling |
|  | 0.0.7.4 | 17.03.2022 | Mateusz Jaruga | Security update |
|  | 0.0.7.4.1 | 18.03.2022 | Mateusz Jaruga | Merging secondary branch, ‘MedicalWithHashing’, with the main one |
|  | 0.0.8 | 19.03.2022 | Mateusz Jaruga | Added user session system |
|  | 0.0.9 | 22.03.2022 | Mateusz Jaruga | Created the basis for a system to send emails with a link to change the password |
|  | 0.0.9.1 | 22.03.2022 | Mateusz Jaruga | Merging project with a new module: Business Administration |
|  | 0.0.9.2 | 22.03.2022 | Mateusz Jaruga | Changed the file hierarchy, to prevent mixing documents from different modules |
|  | 0.0.10 | 23.03.2022 | Mateusz Jaruga | Added timer and input blocking |
|  | 0.0.10.1 | 23.03.2022 | Mateusz Jaruga | Corrected names of class namespaces |
|  | 0.0.10.2 | 23.03.2022 | Artur Górecki | Changed the message about the remaining locktime and locked input fields |
|  | 0.0.10.3 | 23.03.2022 | Mateusz Jaruga | Branch merging |
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|  |  |  |  |  |

1. System administration module
   1. Login/logout

Functionalities of login into the system and logout from the system is part of the administration module but is actually used for getting access to each of the modules.

All users use this part of the system to log in/log out.

After correct login, the system automatically opens the appropriate module based on logged user’s rights.

**Epic: Login**

**User stories:**

* + 1. Logging into the system

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| --- | --- |
| Name | Login into the system |
| ID | LOG\_01 |
| The aim | Login the user into the system |
| Description | Non-logged user has the possibility to login into the system. For the login user has to put two kinds of information:   * Login name * Password   After the correct login process, the system launches the proper module, based on the user’s rights |
| Author | Jarosław Zając |
| Actor | Non-logged user |
| Start conditions | N/A |
| Final conditions | User logged-in  Appropriate module launched |
| Input data | Login name  Password |
| Output data | N/A |
| Scenarios | Main:   1. User launches system 2. System opens login window 3. User puts input data 4. System checks that data is correct 5. System launches appropriate module, based on user rights   Alternative:  Incorrect input data –not more then two times in a row   1. System checks that input data is incorrect 2. System views message with error details   3rd incorrect data input in a row   1. System checks that input data is incorrect 2. System lock possibility of login data input (login name and password fields are unavailable) 3. System starts to show time to remain to unlock the system |
| Notices |  |

* + 1. Resigning of logging in

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| --- | --- |
| Name | Resigning of logging in |
| ID | LOG\_02 |
| The aim | Cancel logging in process |
| Description | Non-logged user has the possibility to cancels the login process before confirming the login details.   * Once the "Cancel" button is pressed the login form is closed |
| Author | Mikołaj Uznański |
| Actor | Non-logged user |
| Start conditions | N/A |
| Final conditions | User is not logged-in  Empty login form is closed. |
| Input data | N/A |
| Output data | N/A |
| Scenarios | Main:   1. User launches system 2. System opens login window 3. User can enter his login data or leave the fields empty. 4. User presses the Cancel button. 5. The user is taken to an empty login form. |
| Notices |  |

* + 1. Incorrect login

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| --- | --- |
| Name | Incorrect login |
| ID | LOG\_05 |
| The aim | System checks correction of input login data |
| Description | System checking if user login data is correct which enables safes access to the system for proper users only.  Acceptance criteria:   * Once input data is incorrect, the system generates and views a message with information about incorrect input data |
| Author | Mikołaj Uznański |
| Actor | Non-logged user |
| Start conditions | The non-logged user is trying to get access to system. |
| Final conditions | The system presents a message indicating that the user is entering incorrect data. |
| Input data | Login name  password |
| Output data | N/A |
| Scenarios | Main:   1. System opens login window 2. User trying to login with incorrect login data. 3. System verifies the entered data. 4. The system generates and views a message with information about incorrect input data. 5. The system inform user about two more login attempts before system blocking |
| Notices |  |

* + 1. System blocking

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| --- | --- |
| Name | System blocking |
| ID | LOG\_06 |
| The aim | System blocking the possibility of logging again for entering incorrect data for the third time in a row. |
| Description | The system is blocking the possibility of logging again for chosen time (parameter) X when user trying to entering incorrect input data three times in a row, which provides the security of the system will by higher.  Acceptance criteria   * The third incorrect login data entering causes blocking of the possibility of using next attempt of login (entering input data) * The system starts showing the time remaining to unlock the possibility of entering input data |
| Author | Mikołaj Uznański |
| Actor | non-logged user |
| Start conditions | The non-logged user uses incorrect login data three times |
| Final conditions | System blocking for the user the possibility of logging again for X (parameter) minutes |
| Input data | Login name  password |
| Output data | N/A |
| Scenarios | Main:   1. User launches system. 2. System opens login window. 3. User uses incorrect login data. 4. System verifies the entered data. 5. After third unsuccessful attempt the system blocks input data fields. 6. the login button and the system informs the user about the remaining time during which they cannot log in. |
| Notices |  |

* + 1. Input data unlock

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| --- | --- |
| Name | Input data unlock |
| ID | LOG\_07 |
| The aim | System automatically unlocks the possibility of entering input data |
| Description | The system is automatically unlocks the possibility to enter login in data for non-logged user. When locking time is over, user get access to try to login again.  Acceptance criteria   * If the time of system locking is complete, input data fields are available again and information about time to unlock disappears |
| Author | Mikołaj Uznański |
| Actor | System |
| Start conditions | The system is blocked for X (parameter) minutes |
| Final conditions | System automatically unlocks the possibility of entering input data. |
| Input data | N/A |
| Output data | N/A |
| Scenarios | Main:   1. The time for blocking access has ended. 2. System unlocks access. 3. User get access to input data login once again. |
| Notices |  |

**Epic: Password changing**

**User stories:**

* + 1. Application for changing password

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| --- | --- |
| Name | Application for changing password |
| ID | PAS\_01 |
| The aim | non-logged in system’s user have possibility to submit an application to change the password |
| Description | The non-logged in system’s user have the option to submit an application to change the password to recover forgotten password. This operation is based on a request from user.  System verifies and unlock this option, only when address entered into the appropriate field contains exactly one "@", otherwise application for changing password is going to be still blocked. When user meeting the requirements and send request to change password, system inform the user by send message with the link to form of password changing. |
| Author | Mikołaj Uznański |
| Actor | Non-logged in system’s user |
| Start conditions | Non-logged in system’s user report a desire to submit an application password changing |
| Final conditions | When user meeting the requirements, system send the link to change password |
| Input data | User’s login User’s e-mail address |
| Output data | N/A |
| Scenarios | 1. Non-logged in system’s user report a desire to submit an application password changing. 2. Non-logged in system’s user entered the email addresses into the appropriate field 3. The system verifies whether the email address entered into the appropriate field contains exactly one "@" character and if so, the "OK" button becomes available 4. Non-logged in system’s user pressed the “OK" button. 5. The system send a message with information about the link to form of password changing is displayed on the screen.   Alternative:  Incorrect email address entered     1. The system verifies whether the email address entered into the appropriate field contains exactly one "@" character and if not, the "OK" button stay be unavailable 2. The "OK" button is unavailable (there is no possibility to push it) 3. The message with link to form of password changing has been not sent |
| Notices |  |

* + 1. Password change link

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| --- | --- |
| Name | Password change link |
| ID | PAS\_02 |
| The aim | The user receives a link to change the password to the e-mail address provided earlier |
| Description | The system generates a link to password change and send it to previously submitted email address. Non-logged in system user will be able to open appropriate form to password change from this link |
| Author | Mikołaj Uznański |
| Actor | System’s user |
| Start conditions | System’s user send previously submitted email address. |
| Final conditions | System’s user receive password change link |
| Input data | N/A |
| Output data | N/A |
| Scenarios | 1. System’s user indicate email address 2. System checks and confirm that email address is the same as address stored in the database 3. System sends the link to change password to the appropriate email address   Alternative:  Wrong address email     1. System found that the email address is not found in the database 2. System doesn’t send the link to change password to the provided email address |
| Notices |  |

* + 1. Password change form launching

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| --- | --- |
| Name | Password change form launching |
| ID | PAS\_03 |
| The aim | System display the password change form after clicking link |
| Description | When non-logged system’s user click the received link to the password change form, immediately gets access to put a new password |
| Author | Mikołaj Uznański |
| Actor | Non-logged system’s user |
| Start conditions | Non-logged system’s user click the link received on address email |
| Final conditions | Non-logged system’s user is able to put a new password |
| Input data | N/A |
| Output data | N/A |
| Scenarios | 1. Non-logged system’s user click the password change link 2. The password change form has been shown to the non-logged system’s user 3. Non-logged system’s user is able to set new password 4. Non-logged system’s user must decide to apply new changes |
| Notices |  |

* + 1. New password entering

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| --- | --- |
| Name | New password entering |
| ID | PAS\_04 |
| The aim | The non-logged system's user changing password to new one and confirm it |
| Description | System uses displayed a form “Password change form launching”. Open the form “OK” button is unavailable. User must enter the data into two fields:  - New password  - Confirm password  Once the two are the same, button “OK” becomes available. After pressing this button, system checks if the data meets validation criteria:  - Password length; not less than 8 characters, not more than 15 characters.  Following types of marks are used at least once:  - Lowercase  - Uppercase  - Digital  - Special sing: “-”, “\_”, “!”, “#”, “$”, “\*”  If the validation process is successful, system will displays a message in form of pop-up window. In the window there is “OK” button, which closes window and the password change form. Password is changed successfully. If the valiidation doesn’t meet criteria, system displays a message in form of pop-up window. On the pop-up window there is “OK” button, which closes the window. |
| Author | Mikołaj Uznański |
| Actor | Non-logged system’s user |
| Start conditions | Link to password change form is pressed |
| Final conditions | Password is changed |
| Input data | New password  Confirm password |
| Output data | Pop-up window with message about successful changing of password |
| Scenarios | Main:  Matching passwords and password meets validation criteria   1. User enters data into:   - New password  - Confirm password   1. System verifies that passwords are matching 2. “OK” button is now available 3. System validates correctness of entered data 4. Pop-up window opens up. 5. User presses “OK” button on pop-up window 6. Pop-up window and password change form closes.   Alternative:  Passwords are not matching   1. System verifies that passwords are not matching 2. “OK” button stays unavailable   Alternative:  New password doesn’t meet validation criteria   1. System validates correctness of entered data 2. Pop-up window opens up 3. User presses “OK” button on pop-up window 4. Pop-up window closes. |
| Notices |  |

* + 1. Password change cancelation

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| --- | --- |
| Name | Password change cancelation |
| ID | PAS\_05 |
| The aim | The possibility to resigning from password changing at any time. |
| Description | The non-logged in system's user is able to close password change form at any time user wants. After pressing ”Cancel” button, system presents pop-up window with the request for confirmation, with two buttons “OK” and “Cancel”. After “OK” button is pressed, password change form closes. After “Cancel” button is pressed, system closes pop-up window, but if there was any data entered in password change form, it’s cleared now. |
| Author | Mikołaj Uznański |
| Actor | Non-logged system’s user |
| Start conditions | Password change form is presented |
| Final conditions | Closing password change form |
| Input data | N/A |
| Output data | N/A |
| Scenarios | Main:   1. User presses “Cancel” button on password change form. 2. Pop-up window opens up. 3. User presses “OK” button on pop-up window. 4. Pop-up window and password change form has been closed   Alternative:  Pressing “Cancel” instead of “OK”   1. User presses “Cancel” button on pop-up window. 2. Pop-up window closes 3. All data previously entered in password change form is cleared. |
| Notices |  |

* + 1. Cancelation of password change cancelation

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| --- | --- |
| Name | Cancelation of password change cancelation |
| ID | PAS\_06 |
| The aim | The possibility to cancel password change cancelation |
| Description | The non-logged in system's user is able to cancel the process of “password changing cancelation”. After pressing ”Cancel” button, system closes the pop-up message window of cancelation of password change, otherwise data entered to the password change form will be lost. |
| Author | Mikołaj Uznański |
| Actor | Non-logged system’s user |
| Start conditions | Cancelation Password change form is presented |
| Final conditions | Closing the cancelation of password change cancelation |
| Input data | N/A |
| Output data | N/A |
| Scenarios | Main:   1. User presses “Cancel” button on pop-up window 2. Pop-up window closes 3. All data previously entered in password change form is cleared |
| Notices |  |

**Epic: Logout**

* + 1. Logging out from the system

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| --- | --- |
| Name | Logging out from the system |
| ID | LOG\_03 |
| The aim | Logged-in user have possibility to log out from the system |
| Description | The user has the possibility to ends his work with the system safely and correctly by logging out of it. After that user sees system login form with empty fields. |
| Author | Mikołaj Uznański |
| Actor | Logged-in user |
| Start conditions | The user is logged-in |
| Final conditions | User has been logged out of the system.  User is not logged-in, system presents login form with empty fields |
| Input data | N/A |
| Output data | N/A |
| Scenarios | Main:   1. User is logged in to the system. 2. The user presses the Logout button. 3. The system displays a logout attempt message. 4. The user presses the OK button. 5. User is logged out from the system   Alternative:  User decided to   1. The users presses the cancel button. 2. Message window is closed |
| Notices |  |

* 1. System user management – clinic staff

**Epic: List of users**

**User stories:**

* + 1. View list of users

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| --- | --- |
| Name | View list of users |
| ID | LIS\_01 |
| The aim | Administrator can list the available users |
| Description | The Administrator has access to list of users, and possibility to see available users from this list. Additionally administrator can perform the following operations:   * Add new user * View user’s details * Edit user data * Deactivate activated user * Activate deactivated user |
| Author | Mikołaj Uznański |
| Actor | Administrator |
| Start conditions | Administrator is logged into the system |
| Final conditions | The list of users is presented |
| Input data | N/A |
| Output data | N/A |
| Scenarios | Main:   1. Administrator choosing “Users” in the system menu, to launch the form with a list of users 2. System opens form with list of users |

* + 1. Adding new system user

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| --- | --- |
| Name | Adding new system user |
| ID | UMG\_01 |
| The aim | Administrator can create a new system user |
| Description | The Administrator has a possibility to create a new system’s user and confirm it, after that the new user is registered in to the system.   * Button “Add new user” is available on the list of users * Administrator select employee from a list * Pressing the button “Add new user” send a request to system to create a new user. * The system adds the new User to the database. * The system generates login and password and sends an e-mail to the user with information of adding to the system and login data. |
| Author | Mikołaj Uznański |
| Actor | Administrator |
| Start conditions | Administrator create new user |
| Final conditions | New user is registered in to the system |
| Input data | N/A |
| Output data | N/A |
| Scenarios | Main:   1. Administrator click “add new user” button 2. Administrator must select a employee 3. Administrator click the “Accept” button 4. The System adds the new user to the database 5. The System generate login and password and sends an e-mail to the user with information of adding to the system and login data.   Alternative:  Cancel button is pressed   1. The System closes the adding new user window. |

* + 1. View user’s details

|  |  |
| --- | --- |
| Name | View user’s details |
| ID | UMG\_02 |
| The aim | Administrator can view users details |
| Description | The Administrator has the possibility to view user details, all information about user details.  Acceptance criteria:   * The "View" button is available on the list of users, besides the user’s name. * Pressing the "View" button system opens a user details form (edit form). * Two buttons are available on the screen: “Save” and “Cancel”. * When the “Cancel” button is pressed, the system closes the user details form. |
| Author | Mikołaj Uznański |
| Actor | Administrator |
| Start conditions | Administrator open user edit form |
| Final conditions | Users details displayed |
| Input data | N/A |
| Output data | N/A |
| Scenarios | Main:   1. Administrator press the “view” button, to open the users details 2. The system opens edit form 3. The Administrator see the users details in edit form |

* + 1. Edit of the user’s data

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| --- | --- |
| Name | Edit of the user’s data |
| ID | UMG\_03 |
| The aim | Administrator has a possibility to edit user data |
| Description | The Administrator have the possibility to edit user data and confirm changes, to user details were up-to-date  Acceptance criteria:   * On the list of users, the button "Edit" is available, besides the user’s name. * Pressing the "Edit" button opens a user edit form. * All data of the edited user can be changed, including the role of the user in the system * The system sends an e-mail to the user with information about changes. * Cancel button is available to click * Once “Cancel” button is pressed system closes the edit form * If the user made some changes and try to leave the editing form without saving it, the system displays a pop-up with confirmation of leaving. * When the “Save” button is pressed system saves changes in the database and views the list of users. * The “Change password” button is available. |
| Author | Mikołaj Uznański |
| Actor | Administrator |
| Start conditions | Administrator open user edit form |
| Final conditions | Users details displayed |
| Input data | Changes in user's details |
| Output data | N/A |
| Scenarios | Main:   1. Administrator press the “edit” button, to edit the users details 2. The system opens edit form 3. The Administrator have a possibility to edit users details 4. The system sends an e-mail to the user with information about changes. If there was a changes. 5. The Administrator press the “cancel” button 6. The System closes the edit form.   Alternative:  Unsaved changes   1. The System displays a pop-up with confirmation of leaving button   “Save” button Is pressed   1. The System saves changes in the database and views the list of users. |

* + 1. User deactivation from the list

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| --- | --- |
| Name | User deactivation from the list |
| ID | UMG\_04 |
| The aim | Administrator has a possibility to deactivation user |
| Description | The Administrator have the possibility to deactivate a user from list of users. When Administrator confirm this action user will be unable to perform any action in the system. To do this the Administrator must press a button "Deactivate user". When this button is pressed, the system displays a message in the form of a pop-up window with two buttons “Deactivate” and “Cancel”. When the “Cancel” button is pressed there is nothing changing, but if the “Deactivate” button is pressed, the system changes the user status to “Inactive”. |
| Author | Mikołaj Uznański |
| Actor | Administrator |
| Start conditions | Administrator press the button to deactivate a user from system |
| Final conditions | The user is deactivated |
| Input data | N/A |
| Output data | N/A |
| Scenarios | Main:   1. Administrator decide to deactivate a user from the system 2. The Administrator press the button "Deactivate user" on the list of user. 3. The Administrator have to decide to press “Deactivate” or “Cancel” button 4. The Administrator pressed “Deactive” button 5. The System changes the user status to “Inactive”.   Alternative:  The “Cancel” button has been pressed   1. The Administrator pressed the “cancel” button 2. The System does not changes the user status |

* + 1. User deactivation from edit form

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| --- | --- |
| Name | User deactivation from edit form |
| ID | UMG\_05 |
| The aim | Administrator has a possibility to deactivation user |
| Description | The Administrator have the possibility to deactivate a user from the details form. When Administrator confirm this action user will be unable to perform any action in the system. To do this the Administrator must press a button "Deactivate user". When this button is pressed, the system displays a message in the form of a pop-up window with two buttons “Deactivate” and “Cancel”. When the “Cancel” button is pressed there is nothing changing, but if the “Deactivate” button is pressed, the system changes the user status to “Inactive”. |
| Author | Mikołaj Uznański |
| Actor | Administrator |
| Start conditions | Administrator press the button to deactivate a user from system |
| Final conditions | The user is deactivated |
| Input data | N/A |
| Output data | N/A |
| Scenarios | Main:   1. Administrator decide to deactivate a user from the system 2. The Administrator press the button "Deactivate user" on the details forms. 3. The Administrator have to decide to press “Deactivate” or “Cancel” button 4. The Administrator pressed “Deactive” button 5. The System changes the user status to “Inactive”.   Alternative:  The “Cancel” button has been pressed   1. The Administrator pressed the “cancel” button 2. The System does not changes the user status |

* + 1. User activation from the list

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| --- | --- |
| Name | User activation from the list |
| ID | UMG\_06 |
| The aim | Administrator has a possibility to activation user |
| Description | The Administrator have the possibility to activate a user from the list of users. The users gains the same actions which they could perform before being deactivated. When Administrator confirm this action user will be able to perform any action in the system. To do this the Administrator must press a button "Activate user". When this button is pressed, the system displays a message in the form of a pop-up window with two buttons “Activate” and “Cancel”. When the “Cancel” button is pressed there is nothing changing, but if the “Activate” button is pressed, the system changes the user status to “Active”. |
| Author | Mikołaj Uznański |
| Actor | Administrator |
| Start conditions | Administrator press the button to Activate a user to the system |
| Final conditions | The user is activated |
| Input data | N/A |
| Output data | N/A |
| Scenarios | Main:   1. Administrator decide to activate a user to the system 2. The Administrator press the button "Activate user" on the list of users. 3. The Administrator have to decide to press “Activate” or “Cancel” button 4. The Administrator pressed “Active” button 5. The System changes the user status to “Active”.   Alternative:  The “Cancel” button has been pressed   1. The Administrator pressed the “cancel” button 2. The System does not changes the user status |

* + 1. User activation from user details

|  |  |
| --- | --- |
| Name | User activation from user details |
| ID | UMG\_07 |
| The aim | Administrator has a possibility to activation user |
| Description | The Administrator have the possibility to activate a user from the details of users. The users gains the same actions which they could perform before being deactivated. When Administrator confirm this action user will be able to perform any action in the system. To do this the Administrator must press a button "Activate user". When this button is pressed, the system displays a message in the form of a pop-up window with two buttons “Activate” and “Cancel”. When the “Cancel” button is pressed there is nothing changing, but if the “Activate” button is pressed, the system changes the user status to “Active”. |
| Author | Mikołaj Uznański |
| Actor | Administrator |
| Start conditions | Administrator press the button to Activate a user to the system |
| Final conditions | The user is activated |
| Input data | N/A |
| Output data | N/A |
| Scenarios | Main:   1. The Administrator decide to activate a user to the system 2. The Administrator press the button "Activate user" on the details of users 3. The Administrator have to decide to press “Activate” or “Cancel” button 4. The Administrator pressed “Active” button 5. The System changes the user status to “Active”.   Alternative:  The “Cancel” button has been pressed   1. The Administrator pressed the “cancel” button 2. The System does not changes the user status |

**Epic: User password management**

* + 1. User’s password changing

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| --- | --- |
| Name | User’s password changing |
| ID | UPM\_01 |
| The aim | Administrator has a possibility to change the user password |
| Description | If the user forgotten a password the Administrator has a possibility to bring back the access for user by creating the new password.  When The “Change password” button is pressed system presents the following fields and buttons after opening the user password changing form:   * New password - field to filled in by the Administrator * Confirm password - field to filled in by the Administrator * The "Save" button * The "Cancel" button   Systems checks if strings in fields: "New password" and "Confirm password" are the same.  The system validates the correctness of entered password in with accordance to password policy.   * Password length not less than 8 characters and not more than 15 characters * use of each of the following types of marks at least once   + - lowercase     - uppercase     - digital     - special sign: "-", "\_", "!". "#", "$", "\*" * If the password meets the validation criteria, system doesn’t view error * If the password doesn't meet the validation criteria, system displays an error   about incorrect data * When the user clicks the “Save” button the system saves the new password in the database and closes the form. |
| Author | Mikołaj Uznański |
| Actor | Administrator |
| Start conditions | Administrator changing user password |
| Final conditions | The password has been changed |
| Input data | New password |
| Output data | N/A |
| Scenarios | Main:   1. The Administrator press the “Change password” button 2. The Administrator press the button "Activate user" on the details of users 3. The Administrator filled the New password 4. The Administrator filled the Confirm password 5. The Administrator press a save button 6. The Systems checks if strings in fields: "New password" and "Confirm password" are the same 7. The system validates the correctness of entered password in with accordance to password policy. 8. The System sets a new password   Alternative:  The “Cancel” button has been pressed   1. The Administrator pressed the “cancel” button 2. The process stops   The password isn’t the same   1. The Systems displays an error about incorrect data detected   Inncorect password policy   1. The Systems displays an error about incorrect data detected |
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* 1. System parameters and dictionaries management

**EPIC: doctor’s specializations**

* + 1. Adding a specialization

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| Name | Adding a specialization |
| ID | DSP\_01 |
| The aim | Administrator has a possibility to add a new doctor’s specialization |
| Description | The Administrator has a possibility to add a new doctor’s specialization to update the list of specializations.  When the “Add a specialization” button is pressed system opens an adding specialization form with an empty field (specialization name) and two buttons.  The “Add” button is available to click.  The “Add” button is available to click.  When the “Cancel” button is pressed system closes adding form.  If the user entered specialization name and try to leave adding form without saving, the system displays a pop-up with confirmation of leaving.  The system adds a new specialization to the list of specialization.  The system closes adding form and views the list of specializations. |
| Author | Mikołaj Uznański |
| Actor | Administrator |
| Start conditions | Administrator adds new specializations |
| Final conditions | The new specializations added to the list of specializations |
| Input data | adding a new doctor’s specialization |
| Output data | N/A |
| Scenarios | Main:   1. The Administrator press the “Add a specialization” button 2. The System opens adding specialization forms 3. The Administrator press the "add" button 4. The Administrator filled the specialization name 5. The Administrator save new specialization 6. The Systems adds a new specialization to the list of specialization 7. The system closes adding form and views the list of specializations   Alternative:  The “Cancel” button has been pressed   1. The Administrator pressed the “cancel” button 2. The system closing adding form   The new specialization name has been not saved   1. The system displays a pop-up with confirmation of leaving   Inncorect password policy   1. The Systems displays an error about incorrect data detected |
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* + 1. Editing a specialization

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| Name | Editing a specialization |
| ID | DSP\_02 |
| The aim | Administrator has a possibility to edit existing doctor specialization |
| Description | The Administrator has a possibility to edit existing doctor specialization, so if it needed to be edited administrator is able to do it  When the “Edit” button is pressed system opens an editing form with an empty field (specialization name) and two buttons.  The “Save” button is available to click.  When the “Cancel” button is pressed system closes the editing form  If the user made some changes name and try to leave the editing without saving, the system displays a pop-up with confirmation of leaving  Once the “Save” button is pressed systems save changes and views list of specializations  The system saves changes and updates them in the database |
| Author | Mikołaj Uznański |
| Actor | Administrator |
| Start conditions | Administrator edit existing specializations |
| Final conditions | The specialization has been edited |
| Input data | editing existing doctor specialization |
| Output data | N/A |
| Scenarios | Main:   1. The Administrator press the “Edit” button 2. The Administrator editing existing doctor specialization 3. The Administrator press the “Save” button 4. The System save changes and views list of specializations 5. The system saves changes and updates them in the database   Alternative:  The “Cancel” button has been pressed   1. The Administrator pressed the “cancel” button 2. The system closing editing form   The process of editing specialization has been not saved   1. The system displays a pop-up with confirmation of leaving |
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* + 1. Removing a specialization

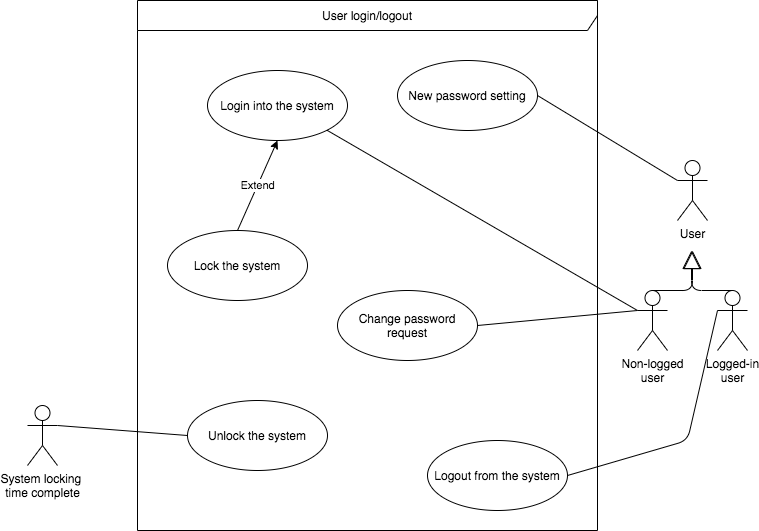
|  |  |
| --- | --- |
| Name | Removing a specialization |
| ID | DSP\_03 |
| The aim | Administrator has a possibility to remove existing doctor specialization from the list of doctors |
| Description | The Administrator has a possibility to remove existing doctor specialization from the list of doctors so if it needed to be removed administrator is able to do it.  When the “Remove” button is pressed system displays a window with confirmation of specialization removing.  If the “Delete” button is pressed system removes a specialization from the list of specializations.  If the “Cancel” button is pressed system cancels specialization removing. |
| Author | Mikołaj Uznański |
| Actor | Administrator |
| Start conditions | Administrator remove existing specializations |
| Final conditions | The specialization has been removed |
| Input data | N/A |
| Output data | N/A |
| Scenarios | Main:   1. The Administrator press the “Remove” button 2. The System displays a window with confirmation of specialization removing. 3. The Administrator press the “delete” button 4. The System removes a specialization from the list of specializations   Alternative:  The “Cancel” button has been pressed   1. The Administrator pressed the “cancel” button |
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**EPIC: setting up the time to login page**

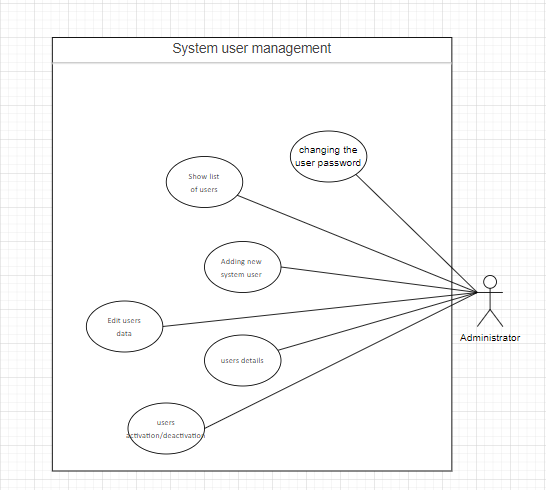
* + 1. Setup the time to unlock login page

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| --- | --- |
| Name | Setup the time to unlock login page |
| ID | STL\_01 |
| The aim | The Administrator has a possibility to set time to unlock login page |
| Description | The Administrator is able to change value of the requested time to unlock login page. They have the possibility to set up time and change value in the “Time to unlock login page” parameter. |
| Author | Mikołaj Uznański |
| Actor | Administrator |
| Start conditions | User logged in as an Administrator User launches the Settings module from the Administrator’s panel |
| Final conditions | Administrator has changed “Time to unlock login page” parameter |
| Input data | A non-negative number corresponding to the page blocking time in minutes |
| Output data | N/A |
| Scenarios | 1. Administrator sets up new time to the “Time to unlock page” parameter 2. Administrator changes the parameter 3. The new parameter of “Time to unlock page” has been changed |
| Notices |  |

1. Diagrams
   1. Login/logout



* 1. System user management – clinic staff



* 1. System parameters and dictionaries management

