# Support for dictionaries

## Epic: support for doctors’ dictionary

User stories:

Adding new doctor

**As an** administrator

**I want** to have possibility to add doctor to the system

**So that** they can be in the system and they can admit patients.

Acceptance criteria:

* Button “Add new doctor” is available and pressing it opens a new form which allows you to enter data of a new doctor and confirm it.
  + Button is available in the view list of doctors or the main page.
* Button “Add” is disabled as long as mandatory fields aren’t filled.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the adding form is closed.
* Once input data is incorrect, system generates and views message with information about incorrect input data.
  + Data:
    - Mandatory:
      * Personal data:
        + Name
        + Surname
        + Residential address
      * E-mail
      * PESEL
      * Phone number
    - Optional:
      * Doctor’s specialty from the list
      * Doctor’s room from the list
      * Working days
      * Working hours
  + Data policy:
    - E-mail policy:
      * E-mail needs to contain exactly one @.
      * E-mail needs to contain valid syntax.
      * E-mail needs to contain valid top-level domain.
      * E-mail needs to contain recipient name.
    - PESEL needs to have 11 numbers.
    - Phone number needs to have 9 numbers.
  + System validates if data are correct.
  + System uses PESEL validator.
* If any of the following data doesn’t meet the data policy there’s a pop-up window with information of putting the data wrongly.
  + Button “OK” closes the window and allows an administrator to correct the data.
* System adds the new doctor to the database and sets their status to active.
* System sends an e-mail to the doctor with information of adding to the system.
* System sends an e-mail to the doctor with information of login data.
* System shows an information of successful adding a doctor to the database.
* Button “OK” closes information window and adding new doctor form.

Edit of doctor’s data

**As an** administrator

**I want** to have possibility to edit data of an existing doctor and confirm it

**So that** I will be able to update data them in the system

Acceptance criteria:

* Button “Edit doctor’s data” is available and pressing it opens a new form which allows you to update data of a doctor and confirm it.
  + Button is available in the view list of doctors and view doctor’s details.
* Button “Change data” is disabled as long as all fields aren’t filled.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the editing form is closed.
* Once input data is incorrect, system generates and views message with information about incorrect input data.
  + Data:
    - The same as in adding doctor form.
  + Data policy:
    - The same as in adding doctor form.
  + System validates if data are correct.
  + System uses PESEL validator.
* If any of the following data doesn’t meet the data policy there’s a pop-up window with information of putting the data wrongly.
  + Button “OK” closes the window and allows an administrator to correct the data.
* System allows you to change doctor’s status.
* System allows you to block doctor’s calendar so patients can’t get an appointment.
* If the status is changed from inactive to active, system restores data from the archive.
  + Data:
    - List of previous visits.
    - List of patients.
    - Room they worked in.
    - Specialty.
    - Personal data.
* If the status is changed from active to inactive, system will open doctor’s deactivation form.
  + After confirming doctor deactivation, both editing and deactivating doctor form will be closed
* System sends an e-mail to the doctor with information of editing data in the system.
* System shows a message window with an information of successful changing doctor’s data in the database.
* Button “OK” closes message window.

Doctor’s deactivation

**As an** administrator

**I want** to have possibility to change doctor’s status to inactive

**So that** doctor cannot be get to create a new appointment.

Acceptance criteria:

* Button “Deactivate doctor” is available and pressing it opens a new form which allows you to deactivate doctor and confirm it.
  + Button is available in the view list of doctors, view doctor’s details or main page.
  + Form can also be launched by changing doctor’s status from active to inactive in updating doctor’s data form.
* Button “Deactivate” is unavailable as long as fields aren’t filled.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the deactivation form is closed.
* Field to fill is:
  + Administrator’s password
* If password is wrong, system shows pop-up window.
  + Button “OK” closes pop-up window.
* You can’t change the status of the doctor to inactive as long as they have appointments scheduled.
* If a doctor has inactive status, patients can’t get an appointment with them.
* System allows you to move the data of the doctor to archive and change their status to inactive.
  + Data:
    - List of previous visits.
    - List of patients.
    - Room they worked in.
    - Specialty.
    - Personal data.
* System shows a message window with an information of successful deactivating doctor in the system.
* Button “OK” closes message window.

View list of doctors

**As an** administrator

**I want** to have possibility to view list of doctors

**So that** I can have access to all doctors in one place and find the certain one.

Acceptance criteria:

* Button “View list of doctors” is available and pressing it opens a new form which allows you to view list of doctors.
  + Button is available on the main page.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the view list of doctor’s form is closed.
* System presents following buttons after opening the form:
  + Button “View doctor”, next to each doctor – after pressing, system opens view doctor’s details form.
  + Button “Deactivate doctor”, next to each doctor – after pressing, system opens deactivating doctor form.

Filter list of doctors

**As an** administrator

**I want** to filter data

**So that** I can see only the chosen data on the list.

Acceptance criteria:

* System allows you to filter doctors on :
  + Active or inactive status.
  + Specialty

Sort list of doctors

**As an** administrator

**I want** to have possibility to organize data on the list

**So that** the order of presented data will be changing.

Acceptance criteria:

* + System allows you to sort from:
    - Alphabetically ascending
    - Alphabetically descending

View doctor’s details

**As an** administrator

**I want** to have possibility to view the doctor

**So that** I can see significant information as free terms, personal data, room he admits patients and move to other forms.

Acceptance criteria:

* Button “View doctor” is available and pressing it opens a new form which allows you to view data of a doctor and confirm it.
  + Button is available on the view list of doctors.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the view of doctor’s details form is closed.
* System allows you to see all doctor’s data.
* System presents following buttons after opening the form:
  + Button “Review calendar”- after pressing, system shows you the view of certain doctor’s calendar.
  + Button “Edit doctor’s data” – after pressing, system opens editing doctor’s data form
  + Button “Deactivate doctor” – after pressing, system opens deactivating doctor form.
* System allows you to block doctor’s calendar so patients can’t get an appointment.

## Epic: Support for other staff dictionary

User stories:

Adding the employee

**As an** administrator

**I want** to have possibility to add employee to the system

**So that** they will be able to start work.

Acceptance criteria:

* Button “Add new employee” is available and pressing it opens a new form which allows you to enter data of a new employee and confirm it.
  + Button is available in the view list of employees or the main page.
* Button “Add” is disabled as long as mandatory fields aren’t filled.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the adding form is closed.
* Once input data is incorrect, system generates and views message with information about incorrect input data.
  + Data:
    - Mandatory:
      * Personal data
        + Name
        + Surname
        + Residential address
      * E-mail
      * PESEL
      * Phone number
      * Role – chosen from the list
  + Data policy:
    - E-mail policy
      * E-mail needs to contain @.
      * E-mail needs to contain valid syntax.
      * E-mail needs to contain valid top-level domain.
      * E-mail needs to contain recipient name.
    - PESEL needs to have 11 numbers.
    - Phone number needs to have 9 numbers.
  + System validates if the data are correct.
  + System uses PESEL validator.
* If any of the following data doesn’t meet the data policy there’s a pop-up window with information of putting the data wrongly.
  + Button “OK” closes the window and allows an administrator to correct the data.
* System adds the new employee to the database and sets their status to active.
* System sends an e-mail to the employee with information of adding to the system.
* System sends an e-mail to the employee with information of login data.
* System shows an information of successful adding an employee to the database.
* Button “OK” closes information window and adding new employee form.

Editing of employee’s data

**As an** administrator

**I want** to have possibility to enter data of a new employee and confirm it

**So that** I will be able to update their date in the system

Acceptance criteria:

* Button “Edit employee’s data” is available and pressing it opens a new form which allows you to update data of an employee and confirm it.
  + Button is available in the view list of employees and view employee’s details.
* Button “Change data” is disabled as long as all fields aren’t filled.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the editing form is closed.
* Once input data is incorrect, system generates and views message with information about incorrect input data.
  + Data:
    - The same as in adding employee form.
  + Data policy:
    - The same as in adding employee form.
  + System validates if the data are correct.
  + System uses PESEL validator.
* If any of the following data doesn’t meet the data policy there’s a pop-up window with information of putting the data wrongly.
  + Button “OK” closes the window and allows an administrator to correct the data.
* System allows you to change employee’s status.
* If the status is changed from inactive to active, system restore data from the archive.
  + Data:
    - Role
    - Personal data
* If the status is changed from active to inactive, system will open employee’s deactivation form.
  + After confirming employee’s deactivation, both editing and deactivating employee form will be closed
* System sends an e-mail to the employee with information of editing data in the system.
* System shows a message window with an information of successful changing employee’s data in the database.
* Button “OK” closes message window.

Employee’s deactivation

**As an** administrator

**I want** to have possibility to change employee’s status to inactive

**So that** employee can no longer work

Acceptance criteria:

* Button “Deactivate employee” is available and pressing it opens a new form which allows you to deactivate employee and confirm it.
  + Button is available in the view list of employees, view employee’s details or main page.
  + Form can also be launched by changing employee’s status from active to inactive in updating employee’s data form.
* Button “Deactivate” is unavailable as long as fields aren’t filled.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the deactivation form is closed.
* Field to fill is:
  + Administrator’s password
* If password is wrong, system shows pop-up window.
  + Button “OK” closes pop-up window.
* System allows you to move the data of the employee to archive and change their status to inactive.
  + Data:
    - Personal data
    - Role
* System shows a message window with an information of successful deactivating employee in the system.
* Button “OK” closes message window.

View list of employees

**As an** administrator

**I want** to have possibility to review the list of employees

**So that** I can have access to all employees in one place and find the certain one.

Acceptance criteria:

* Button “View list of employees” is available and pressing it opens a new form which allows you to view list of employees.
  + Button is available on the main page.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the view list of employees form is closed.
* System presents following buttons after opening the form:
  + Button “View employee”, next to each employee – after pressing, system opens view employee’s details form.
  + Button “Deactivate employee”, next to each employee – after pressing, system opens deactivating employee form.

Filter list of employees

**As an** administrator

**I want** to filter data

**So that** I can see only the chosen data on the list.

Acceptance criteria:

* System allows you to filter employees on :
  + Active or inactive status.
  + Roles

Sort list of employees

**As an** administrator

**I want** to have possibility to organize data on the list

**So that** the order of presented data will be changing.

Acceptance criteria:

* + System allows you to sort from:
    - Alphabetically ascending
    - Alphabetically descending

View of employee’s details

**As an** administrator

**I want** to have possibility to review the employees

**So that** I can see significant information as personal data.

Acceptance criteria:

* Button “View employee” is available and pressing it opens a new form which allows you to view data of an employee and confirm it.
  + Button is available on the view list of employees.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the view of employee’s details form is closed.
* System allows you to see all employee’s data.
* System presents following buttons after opening the form:
  + Button “Edit employee’s data” – after pressing, system opens editing employee’s data form
  + Button “Deactivate employee” – after pressing, system opens deactivating employee form.

# User management

## Epic: User management

User stories:

Adding new user

**As an** administrator

**I want** to have possibility to enter data of a new user and confirm it

**So that** he can be in the system and he can use the system.

Acceptance criteria:

* Button “Add new user” is available and pressing it opens a new form which allows you to enter data of a new user and confirm it.
  + Button is available in the view list of users or the main page.
* Button “Add” is disabled as long as mandatory fields aren’t filled.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the adding form is closed.
* Once input data is incorrect, system generates and views message with information about incorrect input data.
  + Data:
    - Mandatory:
      * E-mail
      * Phone number
      * Role
  + Data policy:
    - E-mail policy
      * E-mail needs to contain @.
      * E-mail needs to contain valid syntax.
      * E-mail needs to contain valid top-level domain.
      * E-mail needs to contain recipient name.
    - PESEL needs to have 11 numbers.
    - Phone number needs to have 9 numbers.
  + System validates if data are correct.
* If any of the following data doesn’t meet the data policy there’s a pop-up window with information of putting the data wrongly.
  + Button “OK” closes the window and allows an administrator to correct the data.
* System adds the new user to the database.
* System sends an e-mail to the user with information of adding to the system.
* System sends an e-mail to the user with information of login data.
* System shows an information of successful adding a user to the database.
* Button “OK” closes information window and adding new user form.

Editing of user’s data

**As an** administrator

**I want** to have possibility to update data of an existing user

**So that** I will be able to update their data in the system.

Acceptance criteria:

* Button “Edit user’s data” is available and pressing it opens a new form which allows you to update data of an user and confirm it.
  + Button is available in view list of users and view of user’s details.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the editing form is closed.
* Once input data is incorrect, system generates and views message with information about incorrect input data.
  + Data:
    - The same as in adding user form.
  + Data policy:
    - The same as in adding user form.
  + System validates if the data are correct.
* If any of the following data doesn’t meet the data policy there’s a pop-up window with information of putting the data wrongly.
  + Button “OK” closes the window and allows an administrator to correct the data.
* System allows you to change user’s status.
* If the status is changed from inactive to active, system restore data from the archive.
  + Data:
    - Role
    - E-mail
    - Phone number
* If the status is changed from active to inactive, system will open user’s deactivation form.
  + After confirming user’s deactivation, both editing and deactivating user form will be closed
* System sends an e-mail to the user with information of editing data in the system.
* System shows a message window with an information of successful changing user’s data in the database.
* Button “OK” closes message window.

User’s deactivation

**As an** administrator

**I want** to have possibility to change their status to inactive

**So that** user will no longer has access to the system.

Acceptance criteria:

* Button “Deactivate user” is available and pressing it opens a new form which allows you to deactivate user and confirm it.
  + Button is available in the view list of users and view of user’s details or main page.
  + Form can also be launched by changing user’s status from active to inactive in editing user’s data form.
* Button “Deactivate” is unavailable as long as fields aren’t filled.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the deactivation form is closed.
* Field to fill is:
  + Administrator’s password
* If password is wrong, system shows pop-up window.
  + Button “OK” closes pop-up window.
* You can’t change the status of the user to inactive if they have planned work.
* System allows you to move the data of the user to archive and change their status to inactive.
  + Data:
    - Personal data
    - Role
* System shows a message window with an information of successful deactivating user in the system.
* Button “OK” closes message window.

View list of users

**As an** administrator

**I want** to have possibility to review the list of users

**So that** I have access to all users in one place and find the certain one.

Acceptance criteria:

* Button “View list of users” is available and pressing it opens a new form which allows you to view list of all users.
  + Button is available on the main page.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the view list of user’s form is closed.
* System presents following buttons after opening the form:
  + Button “View user”, next to each user – after pressing, system opens view of user's details form.
  + Button “Deactivate user”, next to each user – after pressing, system opens deactivating user form.
  + Button “Set role”, next to each user – after pressing, system opens role granting form.
  + Button “Change password”, next to each user – after pressing, system opens changing user’s password form.

Filter list of users

**As an** administrator

**I want** to filter data

**So that** I can see only the chosen data on the list.

Acceptance criteria:

* System allows you to filter users on :
  + Active or inactive status.
  + Role

Sort list of users

**As an** administrator

**I want** to have possibility to organize data on the list

**So that** the order of presented data will be changing.

Acceptance criteria:

* + System allows you to sort from:
    - Alphabetically ascending
    - Alphabetically descending

View of user's details

**As an** administrator

**I want** to have possibility to review certain user

**So that** I can see significant information as personal data and move to other forms.

Acceptance criteria:

* Button “View user” is available and pressing it opens a new form which allows you to view data of an user and confirm it.
  + Button is available on the view list of users.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the view of user’s details form is closed.
* System allows you to see all user’s data.
* System presents following buttons after opening the form:
  + Button “Edit user’s data” – after pressing, system opens editing user’s data form.
  + Button “Deactivate user” – after pressing, system opens deactivating user form.
  + Button “Set role” - after pressing, system opens role granting form.
  + Button “Change password” – after pressing, system opens changing user’s password form.

## Epic: User rights management

User stories:

List of detailed privileges

**As an** administrator

**I want** to view the list of detailed privileges

**So that** I can see what are possible privileges to give.

Acceptance criteria:

* Button “Manage privileges” is available and pressing it opens a new form which allows you to see the list of detailed privileges.
  + Button is available in the view list of users or the main page.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the list of privileges form is closed.
* List of privileges:
  + Adding a new doctor
  + Editing doctor’s data
  + Deactivating doctor
  + Preview of view list of doctors
  + Preview of view of doctor’s details
  + Adding a new employee
  + Editing of employee’s data
  + Deactivating employee
  + Preview of view list of employees
  + Preview of view of doctor’s details
  + Adding new room
  + Editing of room’s data
  + Deactivating room
  + Preview of view list of rooms
  + Preview of view of room’s details
  + Adding a new user
  + Editing user’s data
  + Deactivating user
  + Preview of view list of users
  + Preview of view of user
  + Changing password
  + Creating template
  + Generating calendar
  + Deleting calendar
  + Preview of view list of calendars
  + Preview of view of calendar’s details
  + Verification of overlapping calendar
  + Deleting appointment from the calendar
  + Editing appointment in the calendar
  + Adding appointment in the calendar

Sort list of detailed privileges

**As an** administrator

**I want** to have possibility to organize data on the list

**So that** the order of presented data will be changing.

Acceptance criteria:

* + System allows you to sort from:
    - Alphabetically ascending
    - Alphabetically descending

List of users’ roles

**As an** administrator

**I want** to view the list of users’ roles

**So that** I can see which roles exist in the system and what are their privileges.

Acceptance criteria:

* Button “Manage roles” is available and pressing it opens a new form which allows you to see the list of all roles with their privileges.
  + Button is in the view list of users or main page.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the list of users’ roles form is closed.
* Button “Create role” is available.
* Button “Edit role”
* List of roles with their privileges:
  + **Administrator**
    - All from the list
  + **Doctor**
    - View list of rooms
    - View of room’s details
    - View list of calendars
    - View calendars
    - View list of doctors
    - View of doctor’s details (only himself)
    - Deleting appointment from the calendar
    - Editing appointment in the calendar
    - Adding appointment in the calendar
  + **Nurse**
    - View list of rooms
    - View of room’s details
    - View list of calendars
    - View calendar
    - View list of doctors
    - View of doctor’s details
  + **Employee of registration**
    - View list of rooms
    - View of room’s details
    - View list of calendars
    - View calendar
    - Deleting appointment from the calendar
    - Editing appointment in the calendar
    - Adding appointment in the calendar
    - View list of doctors
    - View of doctor’s details
* If a certain role has access to forms in which you can go to others forms they shouldn’t have access to, buttons are unavailable.

Role’s creation

**As an** administrator

**I want** to create the role

**So that** I can add a new role to the system.

Acceptance criteria:

* Button “Create role” is available and pressing it opens a new form which allows you to add a new role to the system
  + Button is available in the list of users’ roles or the main page.
* Button “Add role” is disabled as long as all fields aren’t filled.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the adding form is closed.
* In the form you can:
  + Name the new role.
  + Pick the privileges they have from the list.
* When you fill all the data, button “Add role” is available.
* Once the button “Add role” is pressed, new role is added to the database.
* System shows an information of successful adding a role to the database.
* Button “OK” closes message window and adding new role form.

Editing the role

**As an** administrator

**I want** to edit the role

**So that** I can update privileges of the certain role.

Acceptance criteria:

* Button “Edit role” is available and pressing it opens a new form which allows you to edit role and confirm it.
  + Button is available in the list of users’ roles.
* Button “Change data” is disabled as long as all fields aren’t filled.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the editing form is closed.
* In the form you can:
  + Rename the existing role.
  + Add privileges to the role.
  + Take privileges from the role.
* System shows a message window with an information of successful changing role in the database.
* Button “OK” closes message window.

Role removing

**As an** administrator

**I want** to remove the roles

**So that** I can remove them from the system.

Acceptance criteria:

* Button “Delete role” is available and pressing it opens a new form which allows you to add a new role to the system
  + Button is available in the list of users’ roles.
* Button “Remove” is unavailable as long as fields aren’t filled.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the deactivation form is closed.
* Field to fill is:
  + Administrator’s password
* If password is wrong, system shows pop-up window.
  + Button “OK” closes pop-up window.
* You can’t remove the role if it’s assigned to the user.
* System shows a message window with an information of successful removing role from the system.
* Button “OK” closes message window.

The role grant for the user

**As an** administrator

**I want** to set roles with privileges to the user

**So that** they can work within their authority

Acceptance criteria:

* Button “Set role” is available and pressing it opens a new form which allows you to assign someone a role from the list.
  + Button is available in the view list of users and view of user’s details.
* Button “Set” is available.
* Button “Cancel” is available.
* Once the "Cancel" button is pressed the role grant form is closed.
* System allows you to choose
* System shows a message window with an information of successful granting a role to the user in the system.
* Button “OK” closes message window.

## Epic: Password changing

User stories

Password change

**As an** administrator

**I want** to have possibility to put and confirm new password of users

**So that** the password will be changed

Acceptance criteria:

* Button “Change user’s password” is available and pressing it opens a new form which allows to change user’s password and confirm it.
  + Button is available in the view list of users and view of user’s details.
* Button “Change password” is disabled as long as all fields aren’t filled.
* "Cancel" button is available.
* Once the “Cancel” button is pressed changing user’s password form is closed.
* Fields to fill are:
  + New password
  + Confirm password
* System checks if strings in fields: "New password" and "Confirm password" are the same. If so, the "Change password" button starts to be available.
* System validates correctness of entered password 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, the system displays a success message in the form of a pop-up window.
  + The "OK" button is available on the pop-up window
  + Once the "OK" button is pushed, the pop-up window and change password window are closed
* If the password doesn't meet the validation criteria, system displays an error message in the form of pop-up window.
  + The "OK" button is available on the pop-up window
  + Once the "OK" button is pushed, the pop-up window is closed

Password change cancelation

**As an** administrator

**I want** to have possibility to resign from password changing at any time

**So that** I will be able to back to the operation in the future

Acceptance criteria:

* The "Cancel" button is available all time on the password change form (independently of forms fillings in status)
* After pushing this button, system presents the pop-up windows with the request of confirmation of change password cancelation message.
* Button “OK” closes pop-up windows.

Cancelation of password change cancelation:

**As an** administrator

**I want** to have possibility to cancel password change cancelation

**So that** I can back to the operation once I pushed the "Cancel" button  by chance

Acceptance criteria:

* When the "Cancel" button on the pop-up window is pressed, system closes the message window
* Data entered to the password change form will be lost.