## Main roles:

User – guest who is not logged in

Registered User – logged user

Administrator??? - Client

## Product Functions

|  |  |  |  |
| --- | --- | --- | --- |
| CLASS OF USE CASES | № | USE CASES | DESCRIPTION OF USE CASES |
| Related to System Authentication | 1 | **Register** | *Register in the Reminder* |
| 2 | **Log in** | *Login in the Reminder* |
|  | 3 | **Forgot Password** | *User enters email he used for registration* |
|  | 4 | **Change Password** | *Changes the login password* |
|  |  |  |  |

## Functional Requirements

*Use cases related to System Authentication:*

*Use Case №1:* Register  
*Primary Actor*: User/Registered User  
*Pre Condition*: Installed browser and active internet connection. User hits Reminter ulr in the address bar. User is redirected to Reminder main page. From there user hits “Register” (Refer to prototype)

*Right Format for different Fields:*

*“Username”* field:

* Username is a sequence of letters and digits, where '**.**', '**-**' and '**\_**' can appear between them
* Small and capital letters from Latin alphabet
* Special symbols “\_ . -”
* Digits 0-9
* Each username must start with small or capital letter
* Two symbols can’t be used one after the other

*“Email address”* field:

Emails are considered to be in format **<user>@<host>**, where:

* **<user>** is a sequence of letters and digits, where '**.**', '**-**' and '**\_**' can appear between them.
* **<host>** is a sequence of at least two words, separated by dots '**.**'. Each word is sequence of letters and can have hyphens '**-**' between the letters

*“Password”* field:

* A minimum of 6 characters is required.
* Small and capital letters from Latin alphabet
* Punctuation marks
* Digits 0-9
* Password must be mix of uppercase and lowercase characters, numbers and punctuation.
* If you change an existing password, the new one must be different from the last password

*“Confirm password”* field:

* Exact match with “Password” field

*Main scenario*:

1. User types his desired username in “Username” filed
2. User types his email address in “Email address” filed //if we decide that we are making reminder for abv.bg customers we can require @abv.bg domain.
3. User types his desired password in “Password” filed
4. User confirms his desired password in “Confirm password” filed
5. System does authentication
6. User is redirected to new page with message: ”To complete the registration, please confirm you details send on your email address.”
7. Once he click on the link from the message send to email address upon registration he will be redirected to his Dashboard. In this email will be described the T&C that he accept upon hit.

*Alternate scenario:*

1. Authorization fails – User hits the “Register now” button with blank:

* “Username” field
* “Email address” field
* “Password” field
* “Confirm password” field
  1. System does Authentication
  2. Prompt the user error messages
* “Enter username”
* “Enter email address”
* “Enter password”
* “Confirm password”
  1. User is allowed to enter all details

1. Authorization fails – User hits the “Register now” button with one or more blank fields
   1. System does Authentication
   2. Prompt error message to enter the data where fields are left blank
   3. Information in “Username” and “Email address” fields if there is such provided is been saved
   4. Information in “Enter password” and “Confirm password” fields if there is such provided in been deleted
   5. User is allowed to enter the details
2. Authorization fails – User hits the “Register now” button with details in all fields.
   1. System does Authentication
      1. If one or more fields are not in the right format
         1. Prompt error messages for incorrect credentials
         2. Information in all field where data is not in the right format is deleted
         3. User is allowed to enter new details
      2. If there is a registration with both the username typed in “Username” and the email typed in “Email address”
         1. Prompt error messages “Username is already taken” and “Email address is already used for registration”
         2. Information in “Username” is deleted.
         3. Information in “Email address” field is deleted
         4. Information in “Enter password” and “Confirm password” fields is deleted
         5. User is allowed to enter new details
      3. If there is a registration with the username typed in “Username” and all other fields are completed correctly
         1. Prompt error messages “Username is already taken”
         2. Information in “Username” is deleted.
         3. Information in “Email address” field is deleted
         4. Information in “Enter password” and “Confirm password” fields is deleted
         5. User is allowed to enter new details
      4. If there is a registration with the email typed in “Email address” field and all other fields are completed correctly
         1. Prompt error messages “Email address is already used for registration”
         2. Information in “Username” is kept.
         3. Information in “Email address” field is deleted
         4. Information in “Enter password” and “Confirm password” fields is deleted
      5. User is allowed to enter new details
   2. Authorization fails – User hits the “Register now” button with different passwords in “Password” and “Confirm password” fields
      1. ppspspspspspspsps

*Use Case №2:* Login  
*Primary Actor*: User/Registered User  
*Pre Condition*: Installed browser and active internet connection. User hits Reminter ulr in the address bar. User is redirected to Reminder main page(Refer to prototype).  
*Main scenario*:

1. User types valid username or email address in “Username or email address” field and valid password in “Password” field
2. User hits the “Log in” button
3. System does authentication
4. Reminder Dashboard is displayed

*Alternate scenario:*

1. Authorization fails – User hits the “Log in” button with blank “Username or email address” field and blank “Password” field.
   1. System does authentication
   2. Prompt the user error messages “Enter username” and “Enter password”
   3. User is allowed to enter username or email address and password
2. Authorization fails – User hits the “Log in” button with blank “Username or email address” field and any password typed in “Password” field.
   1. System does authentication
   2. Prompt the user error message “Enter username”
   3. Typed in the “Password” field is deleted and field is returned to its initial state - blank
   4. User is allowed to enter username or email address and password
3. Authorization fails – User hits the “Log in” button with typed registered/not registered username or email address in “Username or email address” field and blank “Password” field.
   1. System does authentication
   2. Prompt the user error message “Enter password”
   3. User is allowed to enter password. “Username or email address” field keeps the information
4. Authorization fails – User hits the “Log in” button with typed not registered username or email address in “Username or email address” field and any password typed in “Password” field.
   1. System does authentication
   2. Prompt the user error message “Incorrect username”
   3. Typed in the “Password” and in “Username or email address” fields is deleted and fields are returned to their initial state - blank
   4. User is allowed to enter password. “Username or email address” field keeps the information
5. Authorization fails – User hits the “Log in” button with typed registered username or email address in “Username or email address” field and incorrect password typed in “Password” field.
   1. System does authentication
   2. Prompt the user error messages “Incorrect password”
   3. User is allowed to re-enter password. “Username or email address” field keeps the information
   4. If user tried 5 times with wrong passwords, the account will be closed for log in and email will be send to users email address.
6. Authorization fails – User hits the “Log in” button with typed correct password for some registered user or for the user entered in “Password” field in “Username or email address” field and valid registered username or email address typed in “Password” field.
   1. System does authentication
   2. If typed in “Username or email address” doesn’t match any registered username or email address
      1. Prompt the user error messages “Incorrect User”
      2. Typed in the “Password” and in “Username or email address” fields is deleted and fields are returned to their initial state - blank
      3. User is allowed to re-enter username.
   3. If typed in “Username or email address” matches registered username or email address
      1. Prompt the user error messages “Incorrect Password”
      2. Typed in the “Password” field is deleted and field is returned to its initial state - blank
      3. User is allowed to re-enter username.