UC003: User Registration

Security, User Management, Authentication, Authorization



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SUMMARY

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UC003: User Register

# Use Case [003]: User Register

## Description]

The User registers his credentials on the site to be able to log in

## Level

User Goal

## Trigger

User clicks the “Register” link in the login page

## Primary Actor

The Primary Actor is either an administrator or a regular user

## Additional/Supporting Actors

In case of a regular user, an administrator can provide support or is able to elevate a user to the  
administrator role

## Stakeholders

* Production
* Support
* Accounting (if costs are tracked as well)
* Management
* Engineering

## Preconditions

The Primary Actor must have use of a workstation with an active internet connection or at least an internal access to the application. The workstation will have a browser window open, pointing to the site.

## Main Success Scenario

* On the login page, the user has clicked the “register…” link
* The system displays a form on which the user can enter a login and password combo
  + a username field
  + a password field
  + a confirm password field
  + a submit button and a cancel link is offered
* The user fills in the form andsubmits it
* The Application User is created
* The user can login (UC001) using the created credentials

## Extensions

* **Exception:** the user enters a login that either contains illegal characters, is too long or too short or does not conform to the expected email address format
  + The systems warns the user the login isn’t allowed
  + The user can attempt to enter other credentials and try again
  + The system displays a “contact an administrator if problem persists” message
* **Exception:** the user enters a password that does not conform to the password policy
  + The systems warns the user the password isn’t allowed
  + The password policy is displayed
  + The user can attempt to enter other credentials and try again
  + The system displays a “contact an administrator if problem persists” message
* **Exception:** the user enter a different password into the “confirm password” textbox
  + The user is warned that the two passwords differ
  + The user can attempt to enter other credentials and try again

## Post Conditions

* Success End Condition
  + The system creates a user
  + The creation process is logged
* Minimal Guarantees
  + The system will ensure the user is unique by failing the creation process and warning the user that his username is not unique
* Failure End Condition
  + The user is not created

## Frequency

This case will, presumably, only occur once for each user.

## Special Requirements

* Performance:   
  Timeout values will be set so the user receives “a resource unavailable” message if this occurs
* Security  
  The user should automatically be logged out after a certain amount of time.
* Usability / Accessibility  
  User must be able to view page in English, French and Spanish.
* Other  
  The UI must be able to be used over a range of platforms: PC, laptop, tablet, smart phone…

## Issues and Next Steps

* An encryption algorithm and salt must be selected and documented internally.
* A password policy must be determined

**Approvals**

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