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# **Storm Cloud Development**

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**Project CM**  
**UC: Manage mail accounts**

**Version 1.1**

Project CM	Version: 1.1
UC: Manage mail accounts	Date: 22/Oct/2013

## Revision History

Date	Version	Description	Author
17/Oct/2013	1.0	Initial UC description	Storm Cloud Development
22/Oct/2013	1.1	Updated diagrams Inserted Cucumber code Added Mockups	Storm Cloud development

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## UC: Manage mail accounts

### 1. Use-Case manage mail accounts

#### 1.1 Brief Description

This use case describes how a user can manage his mail accounts. This means not to provide him a mail account, but to let him administrate the mail accounts he wants to access with the application. He can create (add), read, update and delete mail accounts (CRUD).

#### 1.2 Stored data

##### 1.2.1 Overview

Name	Auto-assigned	Unique	Mandatory	Modifiable
Id	Yes	Yes	Yes	No
Sender Name	No	No	No	Yes
Email	No	Yes	Yes	No
Password	No	No	No	Yes
Retrieve Type	No	No	Yes	No
Retrieve Host	No	No	Yes	Yes
Retrieve Port	No	No	Yes	Yes
Retrieve SSL	No	No	Yes	Yes
Retrieve Authentication	No	No	Yes	Yes
Send Host	No	No	Yes	Yes
Send Port	No	No	Yes	Yes
Send SSL	No	No	Yes	Yes
Send Authentication	No	No	Yes	Yes
Logon Name	No	No	No	Yes

##### 1.2.2 Description

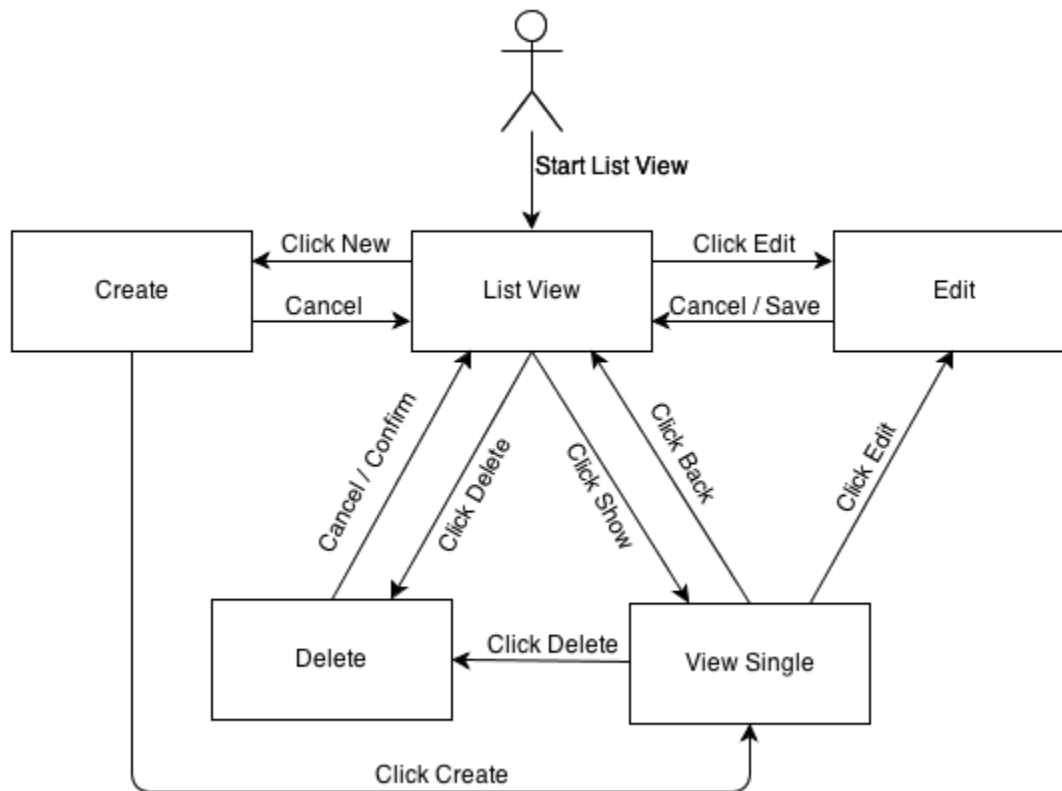
A mail account has several data which must be stored. First of all you need an email address where you want to receive / send mails with. Also you need a logon name and a password to logon. Both of those are obligatory when creating the account. If the user does not provide a logon name, his email address is used and without a stored password he will be asked for his password every time it is needed. Also the user has a sender name which is shown to others when he sends a mail. This is also obligatory and is replaced by the email if not provided by the

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user. Mandatory information is the type of the retrieval (IMAP or POP3) and the host and security data for sending and retrieving mails. The host data is the Host name and Port and security information are the SSL type to connect with and the authentication type (password, encrypted password).

## 2. Flow of Events

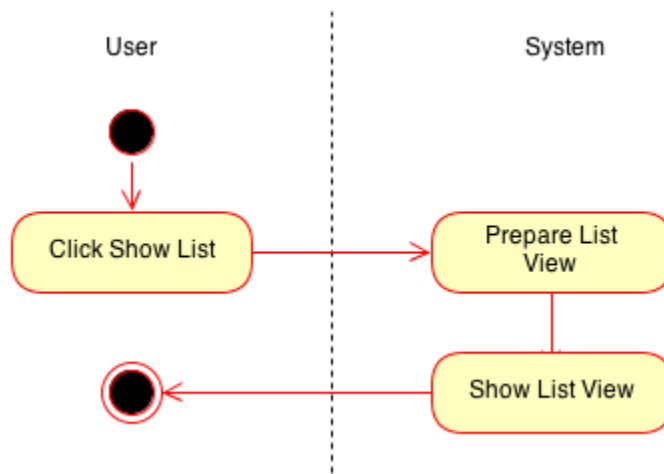
### 2.1 Screen Flow



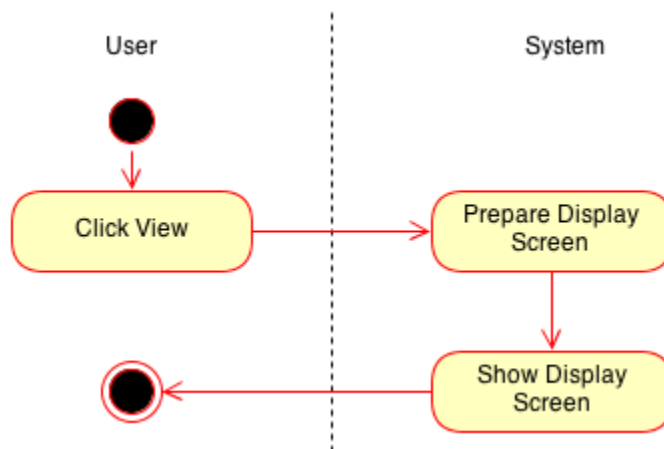
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## 2.2 Use Case Flows

### 2.2.1 Show all mail accounts (List View)

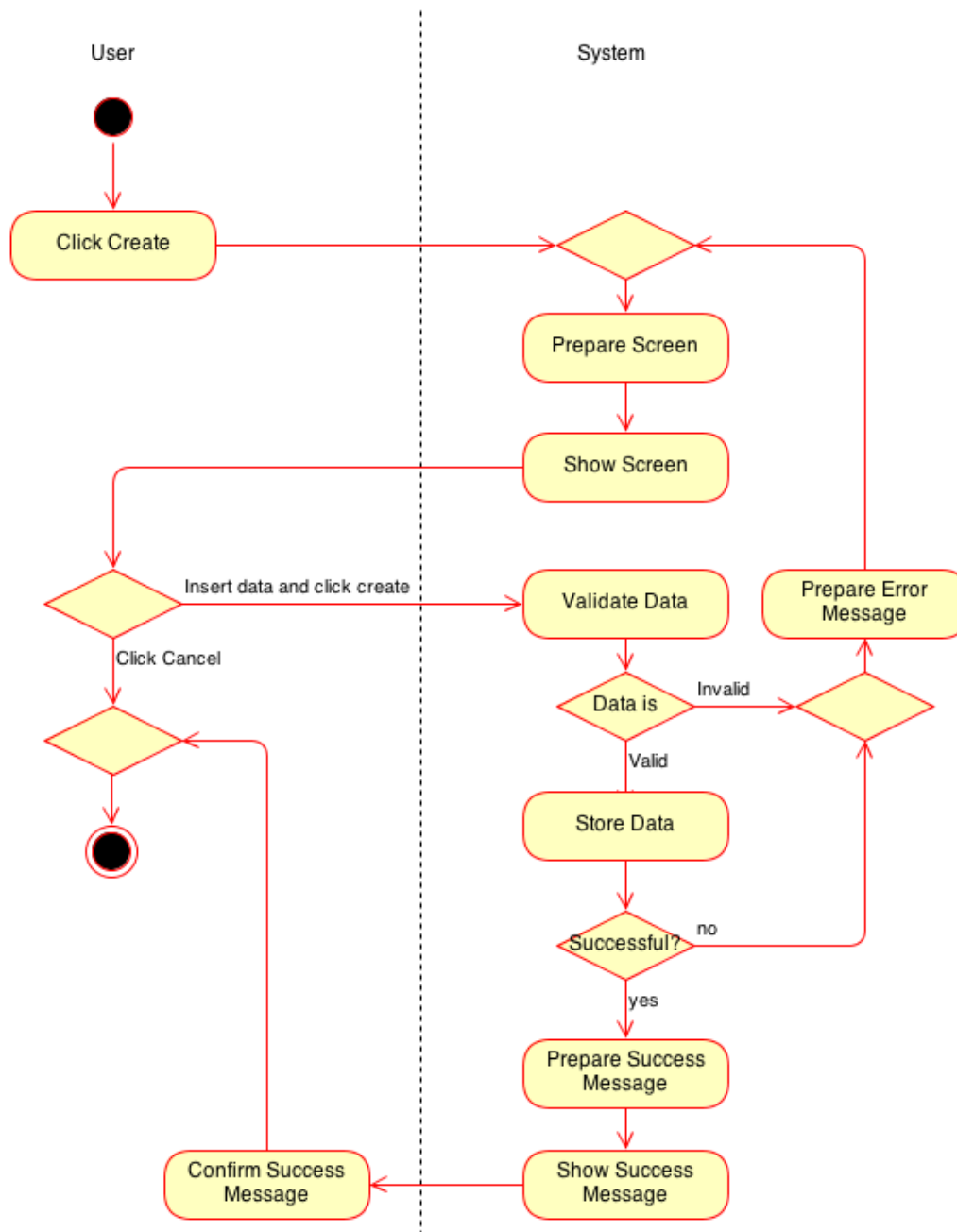


### 2.2.2 Show single mail account (View Single)



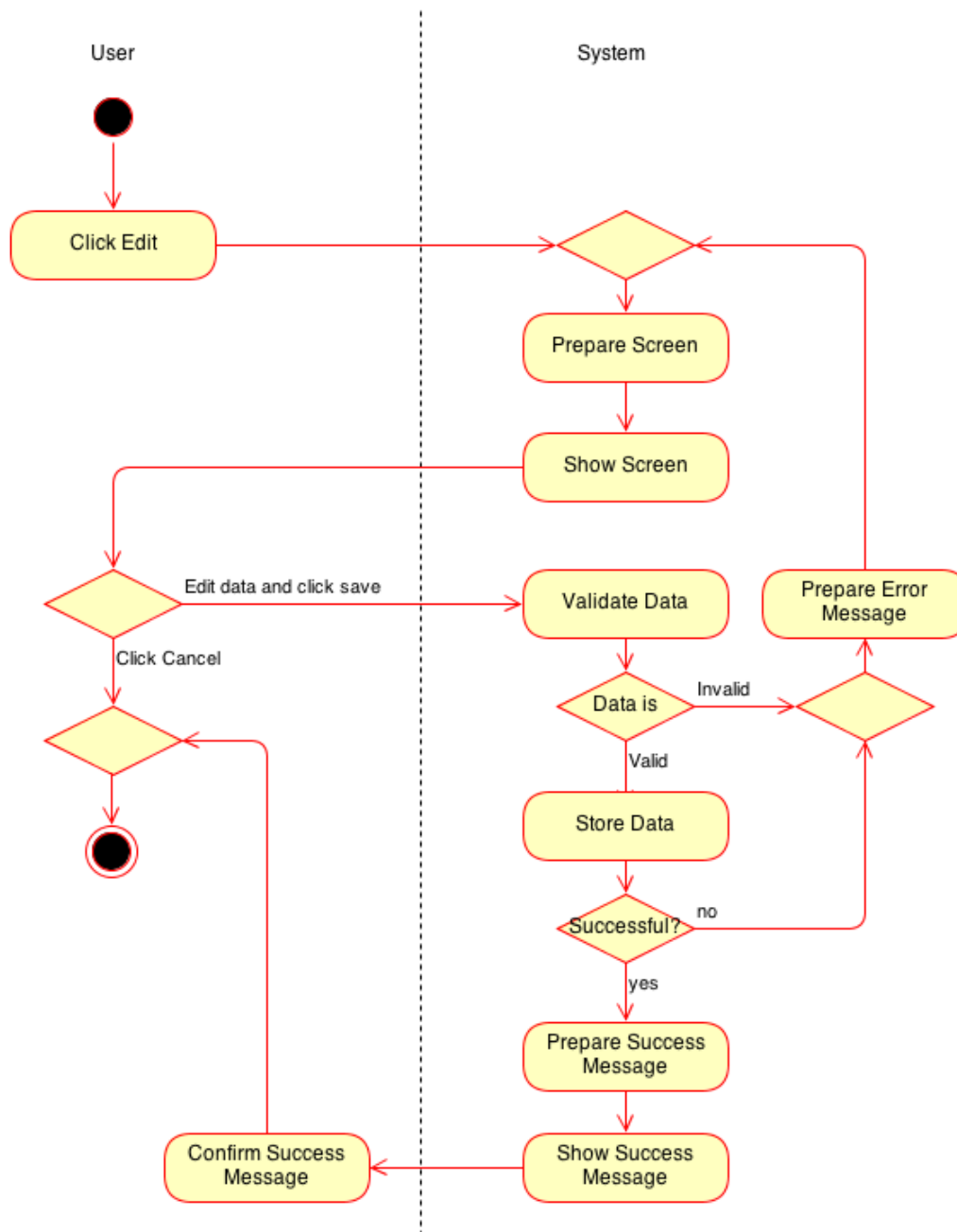
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### 2.2.3 Create new mail account (Create)



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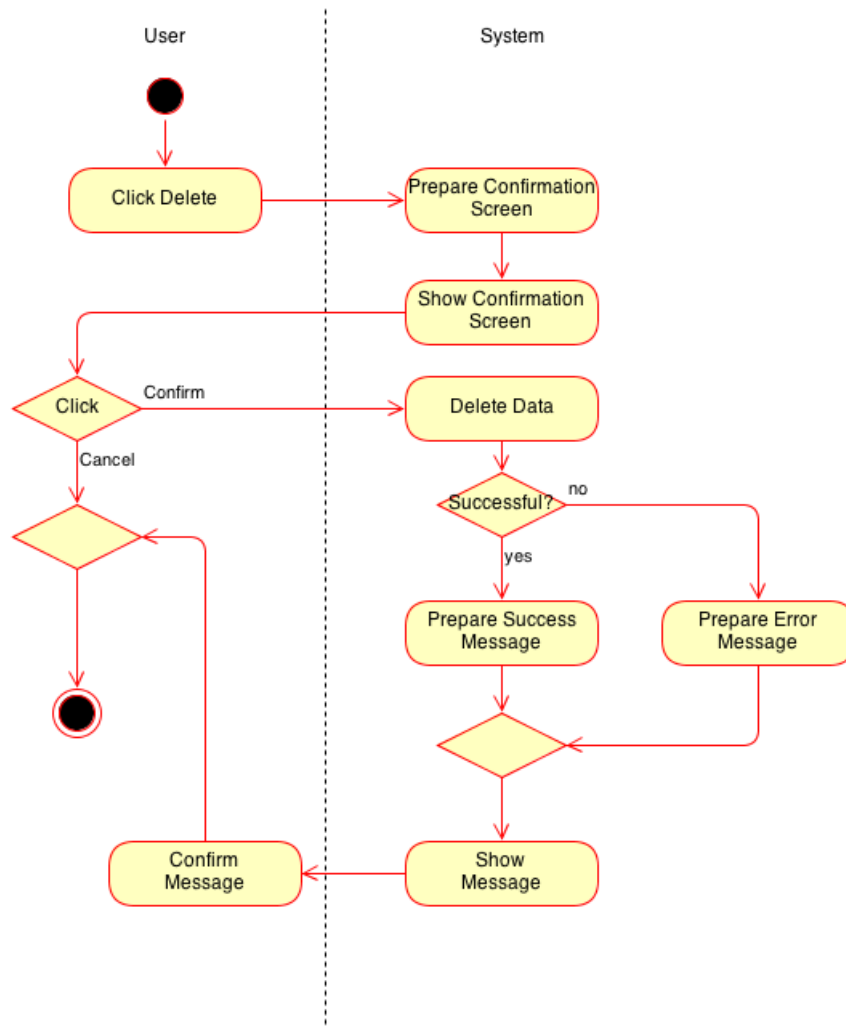
## 2.2.4 Edit mail account (Edit)





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## 2.2.5 Delete mail account (Delete)



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### 3. Special Requirements

n/a

### 4. Preconditions

#### 4.1 Rights

View/edit/delete/create: The user must have the rights to do the operation

#### 4.2 Account

Create: The email address must exist.

Create/edit: The login data must be right to use the application properly.

### 5. Postconditions

#### 5.1 Account

Create/edit: The new account is successfully added / updated.

Create/edit: The user gets a verification mail to activate his account for usage.

### 6. Extension Points

n/a

### 7. Cucumber test scenario

Feature: manage mail accounts

As an user

I want to manage mail accounts

So that I can administrate the mail accounts I use to send and receive E-Mails

Scenario: create new mail account

Given I am logged in

And I am on the "mail account list"

And I clicked "add mail account"

When I type in the correct mail account data

And I click "add"

Then I should see a confirmation message

Scenario: delete mail account

Given I am logged in

And I am on the "mail account list"

And I clicked "delete mail account"

When I confirm the deletion

Then I should see a confirmation message

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## 8. Mockups

### 8.1 Show all mail accounts

project-cm mail account

https://project-cm.com/mailaccount

Mail Accounts New

Sender Name	Email	Logon Name	View	Edit	Delete
Andreas Haberl	andreas@test.com	andreash	View	Edit	Delete
Andreas	andi@test.de	andi123	View	Edit	Delete
Synonym	synonym@test2.com	synpp321	View	Edit	Delete

### 8.2 Show single mail account

project-cm - mail account view

https://project-cm.com/mailaccount/view

Mail account - View

Sender Name  
Sender Name

Email  
email@test.com

Logon Name  
emailname

Password  
oooooooooooooooo

Retrieve Type Retrieve Host Retrieve Port SSL Authentication Type

IMAP POP3 IMAP imap.server.co 993 ☒ Password (cleartype) Password (cleartype) Password (encrypted)

Send Host Send Port SSL Authentication Type

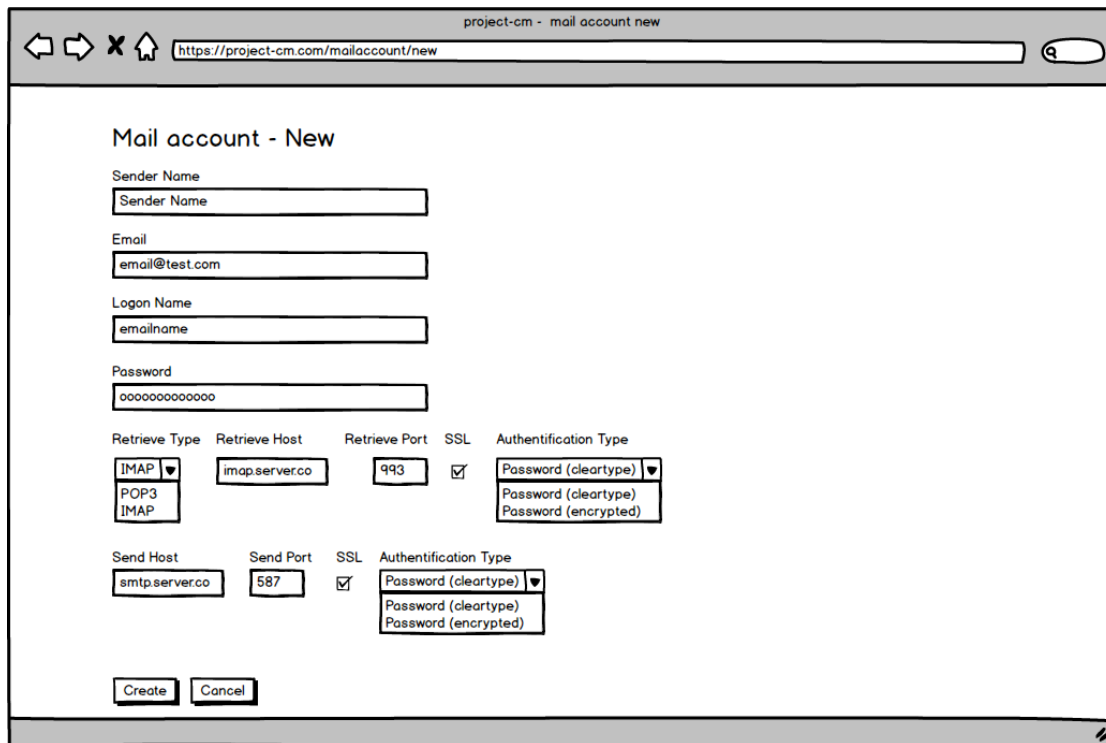
smtp.server.co 587 ☒ Password (cleartype) Password (cleartype) Password (encrypted)

Back

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## 8.3 Create new mail account

### 8.3.1 Insert data view



project-cm - mail account new

https://project-cm.com/mailaccount/new

### Mail account - New

Sender Name  
Sender Name

Email  
email@test.com

Logon Name  
emailname

Password  
oooooooooooo

Retrieve Type Retrieve Host Retrieve Port SSL Authentication Type

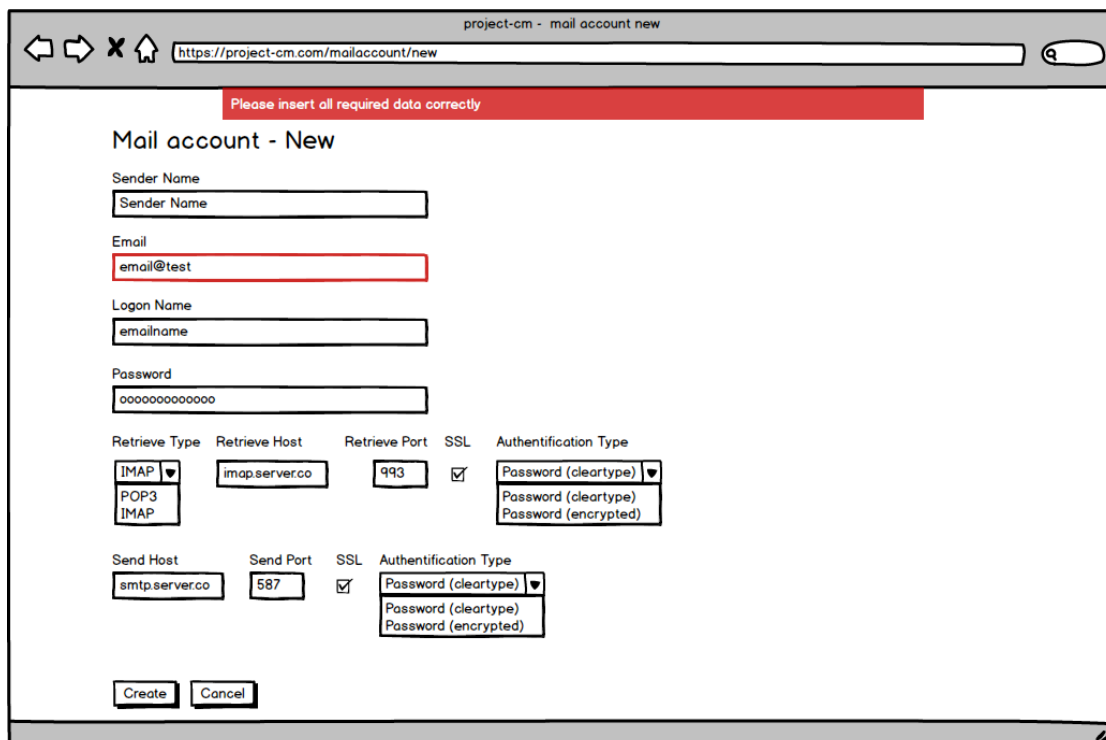
IMAP POP3 IMAP imap.server.co 993 ☒ Password (cleartype) Password (cleartype) Password (encrypted)

Send Host Send Port SSL Authentication Type

smtp.server.co 587 ☒ Password (cleartype) Password (cleartype) Password (encrypted)

Create Cancel

### 8.3.2 Error: Data not correct



project-cm - mail account new

https://project-cm.com/mailaccount/new

Please insert all required data correctly

### Mail account - New

Sender Name  
Sender Name

Email  
email@test

Logon Name  
emailname

Password  
oooooooooooo

Retrieve Type Retrieve Host Retrieve Port SSL Authentication Type

IMAP POP3 IMAP imap.server.co 993 ☒ Password (cleartype) Password (cleartype) Password (encrypted)

Send Host Send Port SSL Authentication Type

smtp.server.co 587 ☒ Password (cleartype) Password (cleartype) Password (encrypted)

Create Cancel

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### 8.3.3 Data save failed

project-cm - mail account new

https://project-cm.com/mailaccount/new

internal error, failed to save data - please try again

**Mail account - New**

Sender Name

Email

Logon Name

Password

Retrieve Type:

Retrieve Host:

Retrieve Port:

SSL: ☒

Authentication Type:

Send Host:

Send Port:

SSL: ☒

Authentication Type:

### 8.3.4 Success: Data stored

project-cm - mail account view

https://project-cm.com/mailaccount/view

New entry successfully created

**Mail account - View**

Sender Name

Email

Logon Name

Password

Retrieve Type:

Retrieve Host:

Retrieve Port:

SSL: ☒

Authentication Type:

Send Host:

Send Port:

SSL: ☒

Authentication Type:

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## 8.4 Edit mail account

### 8.4.1 Insert data view

project-cm - mail account edit

https://project-cm.com/mailaccount/edit

### Mail account - Edit

Sender Name  
Sender Name

Email  
email@test.com

Logon Name  
emailname

Password  
oooooooooooo

Retrieve Type Retrieve Host Retrieve Port SSL Authentication Type

IMAP POP3 IMAP imap.server.co 993 ☒ Password (cleartype) Password (cleartype) Password (encrypted)

Send Host Send Port SSL Authentication Type

smtp.server.co 587 ☒ Password (cleartype) Password (cleartype) Password (encrypted)

Save Cancel

### 8.4.2 Error: Data not correct

project-cm - mail account edit

https://project-cm.com/mailaccount/edit

Please insert all required data correctly

### Mail account - Edit

Sender Name  
Sender Name

Email  
email@test

Logon Name  
emailname

Password  
oooooooooooo

Retrieve Type Retrieve Host Retrieve Port SSL Authentication Type

IMAP POP3 IMAP imap.server.co 993 ☒ Password (cleartype) Password (cleartype) Password (encrypted)

Send Host Send Port SSL Authentication Type

smtp.server.co 587 ☒ Password (cleartype) Password (cleartype) Password (encrypted)

Save Cancel



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## 8.5 Delete mail account

### 8.5.1 Confirm view

project-cm - mail account delete

https://project-cm.com/mailaccount/delete

Mail Account - delete

Do you really want to delete mail account "Account name" ?

Confirm Cancel

### 8.5.2 Error: Deletion failed

project-cm mail account

https://project-cm.com/mailaccount

internal error - failed to delete data

Mail Accounts New

Sender Name	Email	Logon Name	View	Edit	Delete
Andreas Haberl	andreas@test.com	andreash	View	Edit	Delete
Andreas	andi@test.de	andi123	View	Edit	Delete
Synonym	synonym@test2.com	synpp321	View	Edit	Delete



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### 8.5.3 Success: Data deleted

project-cm mail accounts

https://project-cm.com/mailaccount

data deleted successfully

Mail Accounts

New

Sender Name	Email	Logon Name			
Andreas Haberl	andreas@test.com	andreash	View	Edit	Delete
Andreas	andi@test.de	andi123	View	Edit	Delete
Synonym	synonym@test2.com	synpp321	View	Edit	Delete