
Storm Cloud Development

Project CM
UC: Manage address book

Version 1.2

Project CM	Version: 1.2
UC: Manage address book	Date: 19/Jun/2014

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 Selenium code Added Mockups	Storm Cloud Development
19/Jun/2014	1.2	Updated stored data Inserted function point calculation	Storm Cloud Development

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UC: Manage address book

1. Use-Case manage address book

1.1 Brief Description

This use case describes how a user can manage his personal address book. Each user has one address book which cannot be modified. So manage the address book means create, read, update and delete contacts in this address book.

1.2 Stored data

1.2.1 Overview

Name	Auto-assigned	Unique	Mandatory	Modifiable
Id	Yes	Yes	Yes	No
Name	No	No	Yes	Yes
Street	No	No	No	Yes
House number	No	No	No	Yes
Zip-code	No	No	No	Yes
Town name	No	No	No	Yes
Country	No	No	No	Yes
Telephone nr.	No	No	No	Yes
Email	No	No	No	Yes
Contact owner	Yes	No	Yes	No

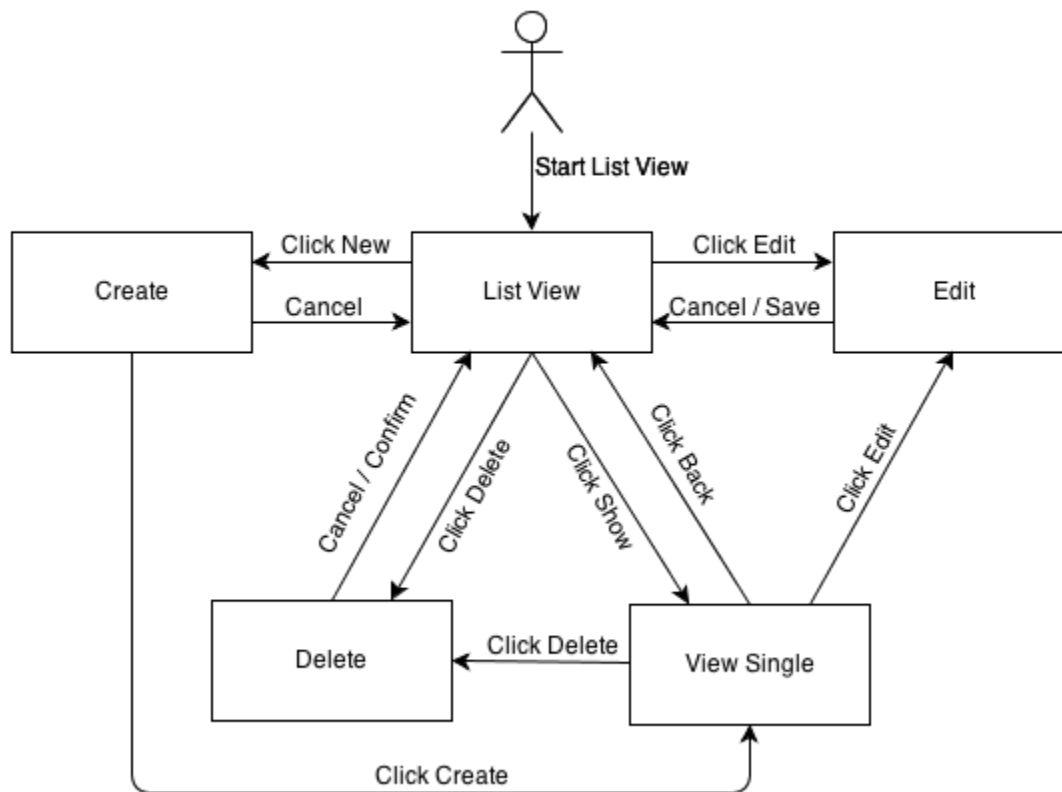
1.2.2 Description

A contact in the address book is identified by an automatically assigned id. This id is shown to the user, but he has no possibility to modify it. A contact has a name. It is not necessary, that the name is unique. Also you have the possibility to define an address consisting of street, house number, zip-code, town name and country. Furthermore it is possible to add a telephone number and an email address. To identify who stored this contact, the ID of the user is stored in contact owner.

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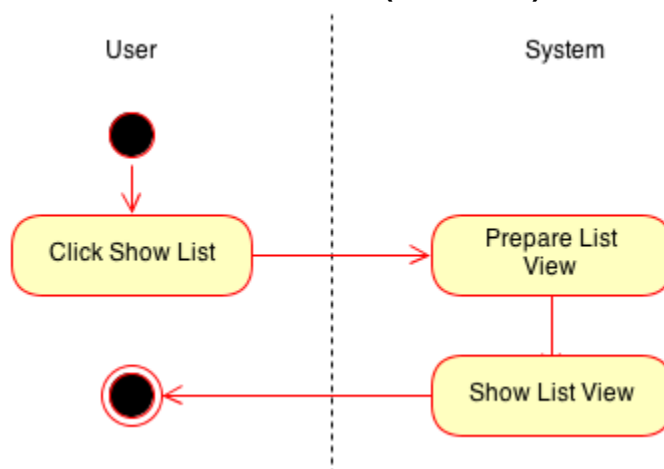
2. Flow of Events

2.1 Screen Flow



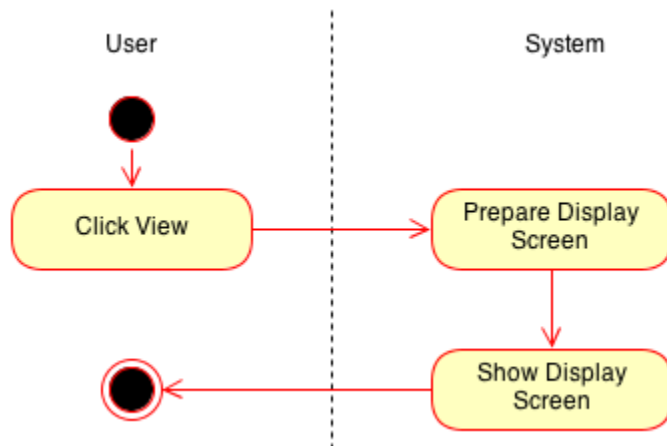
2.2 Use Case Flows

2.2.1 Show all contacts (List View)



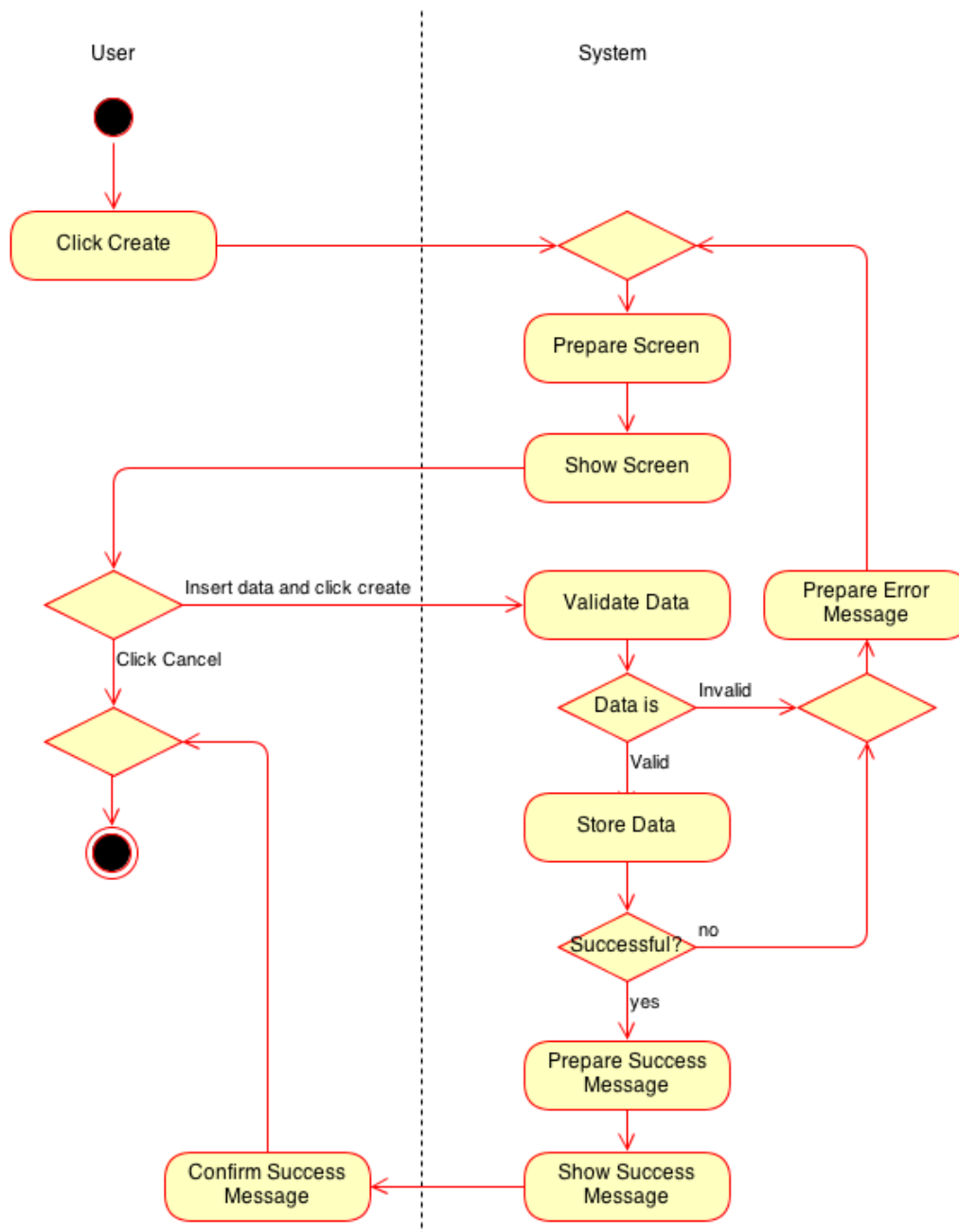
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2.2.2 Show single contact (View Single)



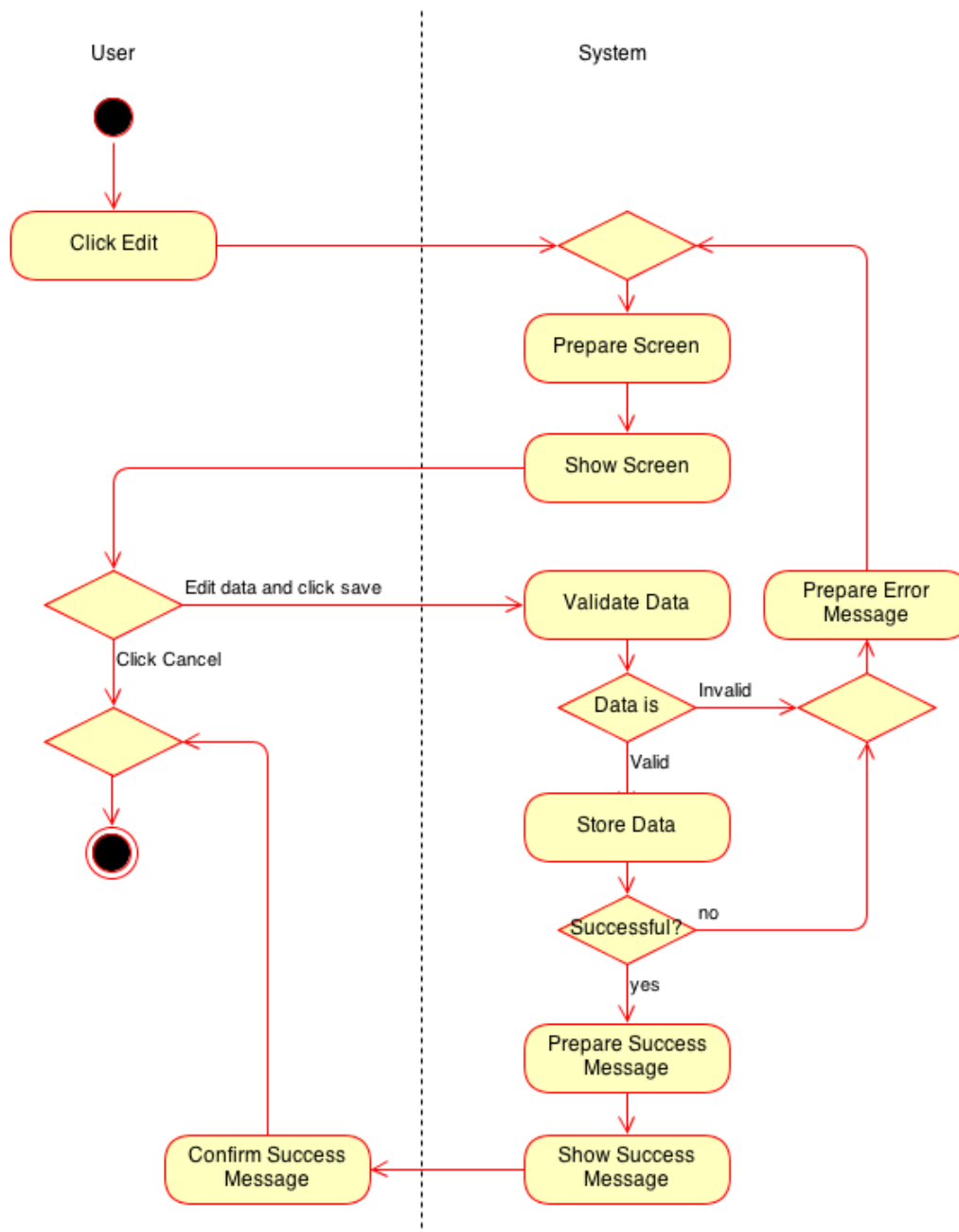
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2.2.3 Create new contact (Create)



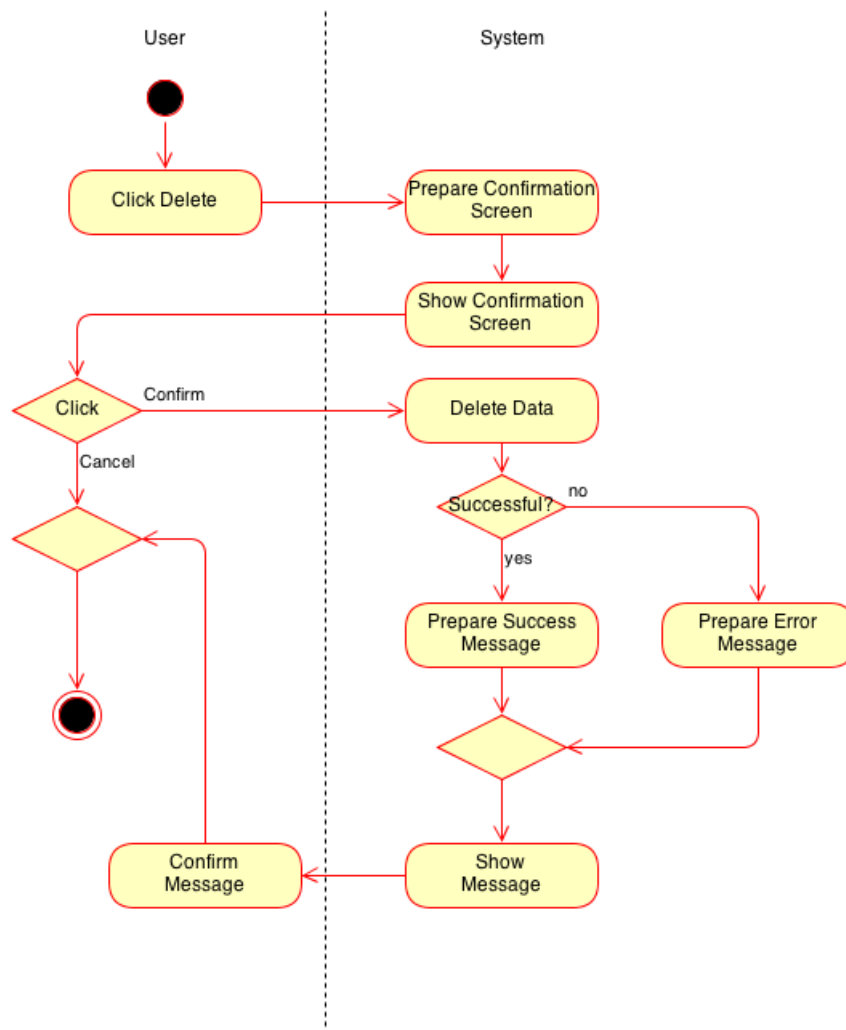
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2.2.4 Edit contact (Edit)



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2.2.5 Delete contact (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 Database

Create: The entry to be created does not exist in the database.

Edit/view/delete: The entry has to be found in the database.

5. Postconditions

5.1 Database

Create: The entry to be created does now exist in the database.

Edit: The entry is updated.

Delete: The entry is deleted from the database.

6. Extension Points

n/a

7. Selenium test scenario

Scenario 1: create contact

```

Given I am logged in
  And I am on the "contact list"
  And I clicked "create contact"
When I type in the correct contact data
  And I click "create"
Then the contact should be created

```

Scenario 2: delete contact

```

Given I am logged in
  And I am on the "contact list"
  And I clicked "delete contact"
When I confirm the deletion
Then the contact should be deleted

```

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8. Mockups

8.1 Show all contacts

Picture	Name	Telephone Nr	Email			
	Andreas	0234580321	hallo@test.com	View	Edit	Delete
	Tobbe	0132871641	tobbe@test.com	View	Edit	Delete
	Tobias	037239134	tobi@test.com	View	Edit	Delete

8.2 Show single contact

Adress Book - view

Name:


Email:

Street: Nr:

Zip-code: Town:

Country:

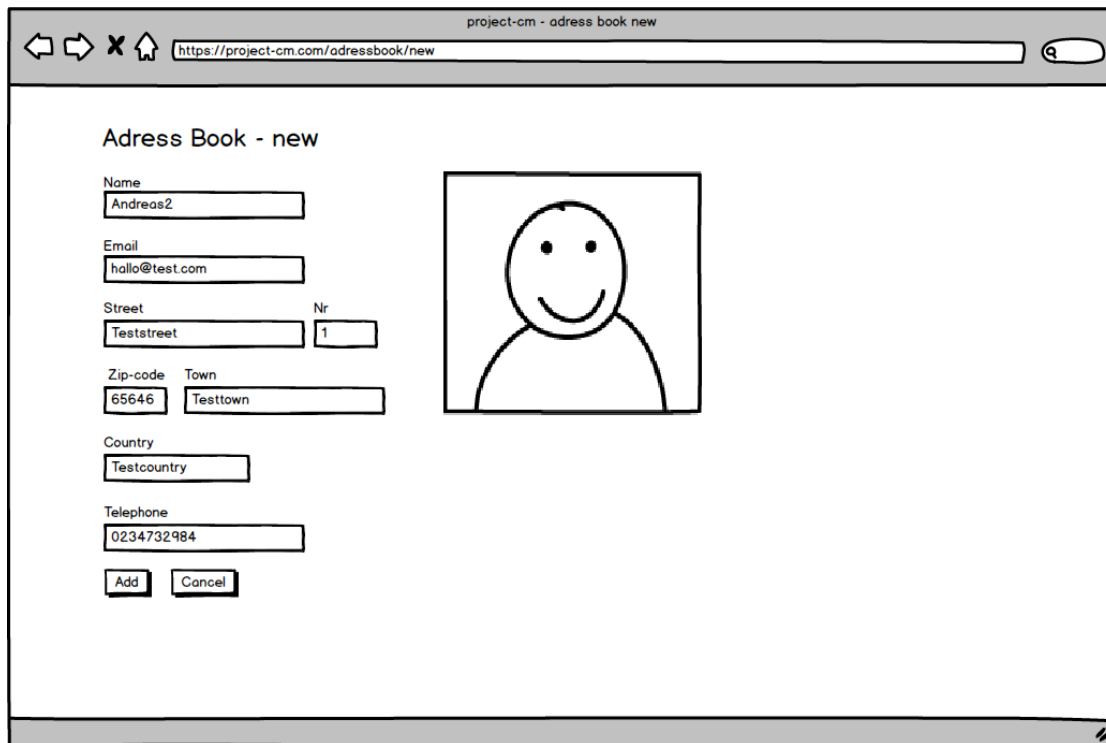
Telephone:



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8.3 Create new contact

8.3.1 Insert data view



project-cm - adress book new

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

Adress Book - new

Name:

Email:

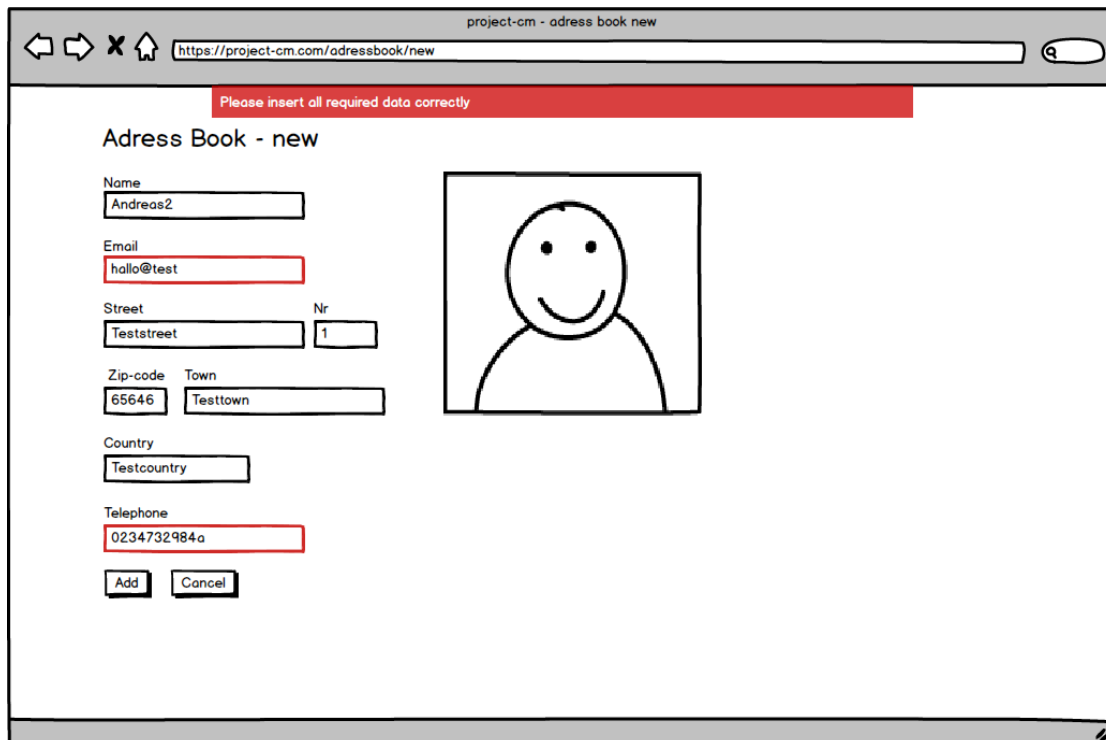
Street: Nr:

Zip-code: Town:

Country:

Telephone:

8.3.2 Error: Data not correct



project-cm - adress book new

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

Please insert all required data correctly

Adress Book - new

Name:

Email:

Street: Nr:

Zip-code: Town:

Country:

Telephone:

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8.3.3 Error: Data save failed

project-cm - adress book new

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

internal error, failed to save data - please try again

Adress Book - new

Name
Andreas2

Email
hallo@test.com

Street
Teststreet

Nr
1

Zip-code
65646

Town
Testtown

Country
Testcountry

Telephone
0234732984

Add Cancel

8.3.4 Success: Data stored

project-cm - adress book view

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

New entry successfully created

Adress Book - view

Name
Andreas2

Email
hallo@test.com

Street
Teststreet

Nr
1

Zip-code
65646

Town
Testtown

Country
Testcountry

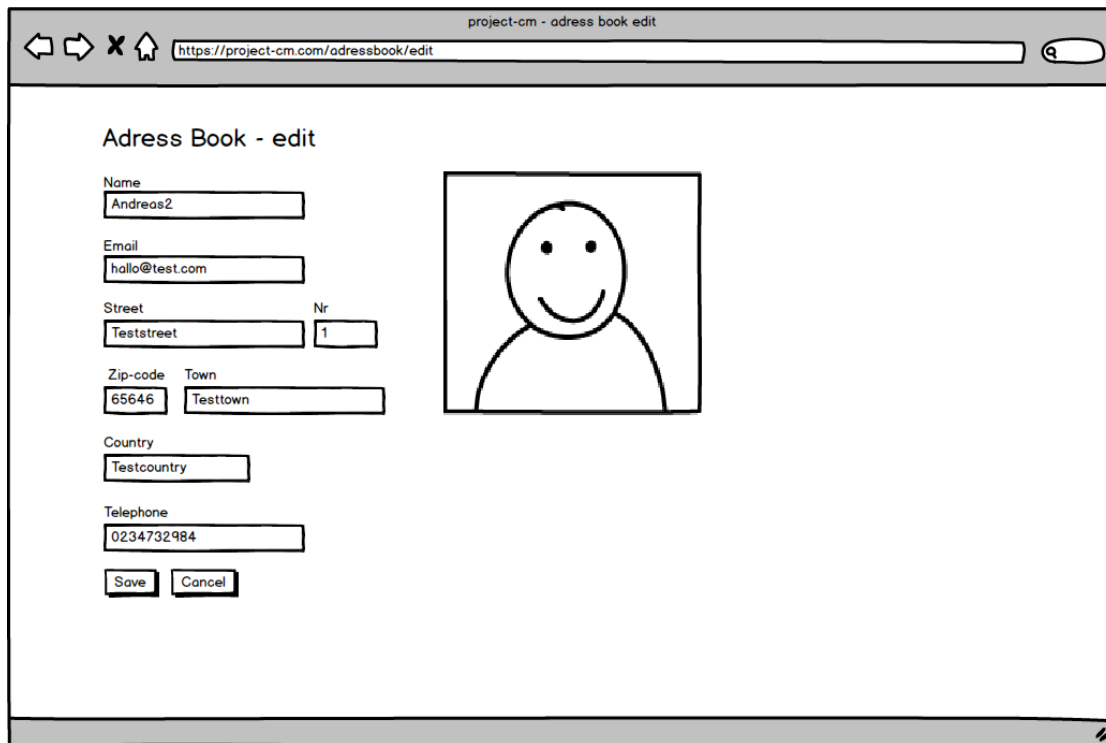
Telephone
0234732984

Back

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8.4 Edit contact

8.4.1 Insert data view

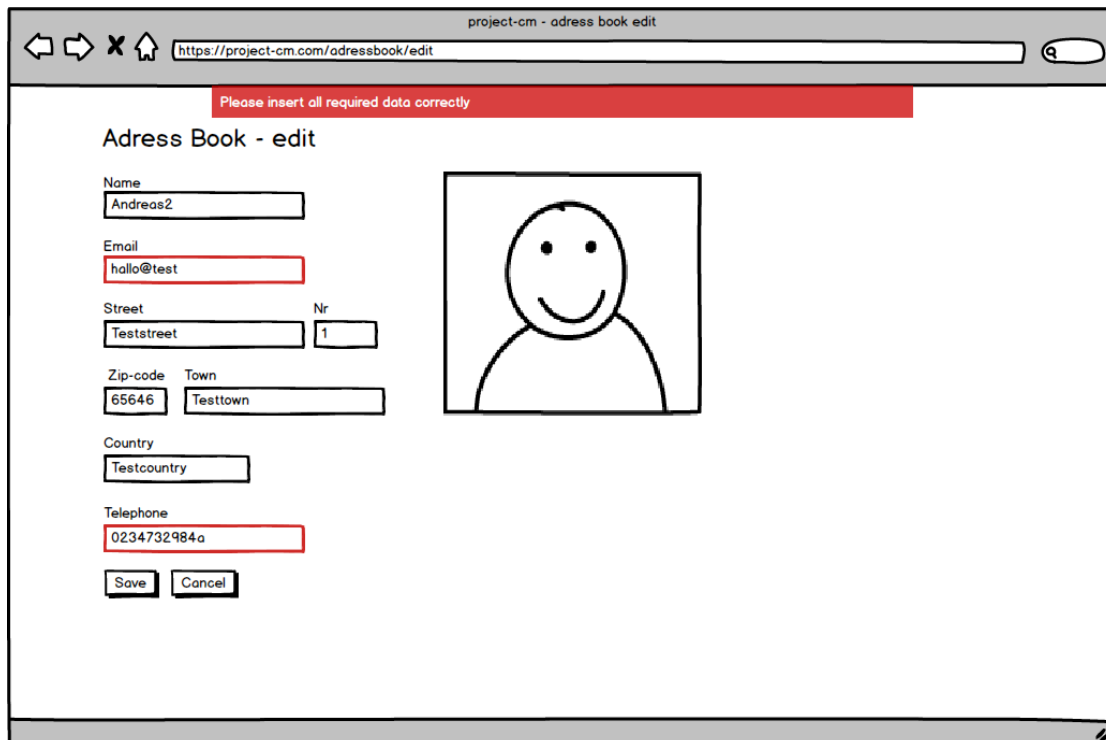


The screenshot shows a web browser window with the address bar displaying 'https://project-cm.com/adressbook/edit'. The page title is 'Adress Book - edit'. The form contains the following fields and values:

- Name:
- Email:
- Street: Nr:
- Zip-code: Town:
- Country:
- Telephone:

At the bottom of the form are 'Save' and 'Cancel' buttons. To the right of the form is a placeholder image of a person's head and shoulders.

8.4.2 Error: Data not correct



The screenshot shows the same web browser window as the previous one, but with an error state. A red banner at the top of the form area reads 'Please insert all required data correctly'. The form fields and values are the same as in the previous screenshot, but the 'Email' field (

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8.4.3 Error: Data save failed

project-cm - adress book edit

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

internal error, failed to save data - please try again

Adress Book - edit

Name:

Email:

Street: Nr:

Zip-code: Town:

Country:

Telephone:

8.4.4 Success: Data stored

project-cm - adress book

https://project-cm.com/adressbook

data edited successfully

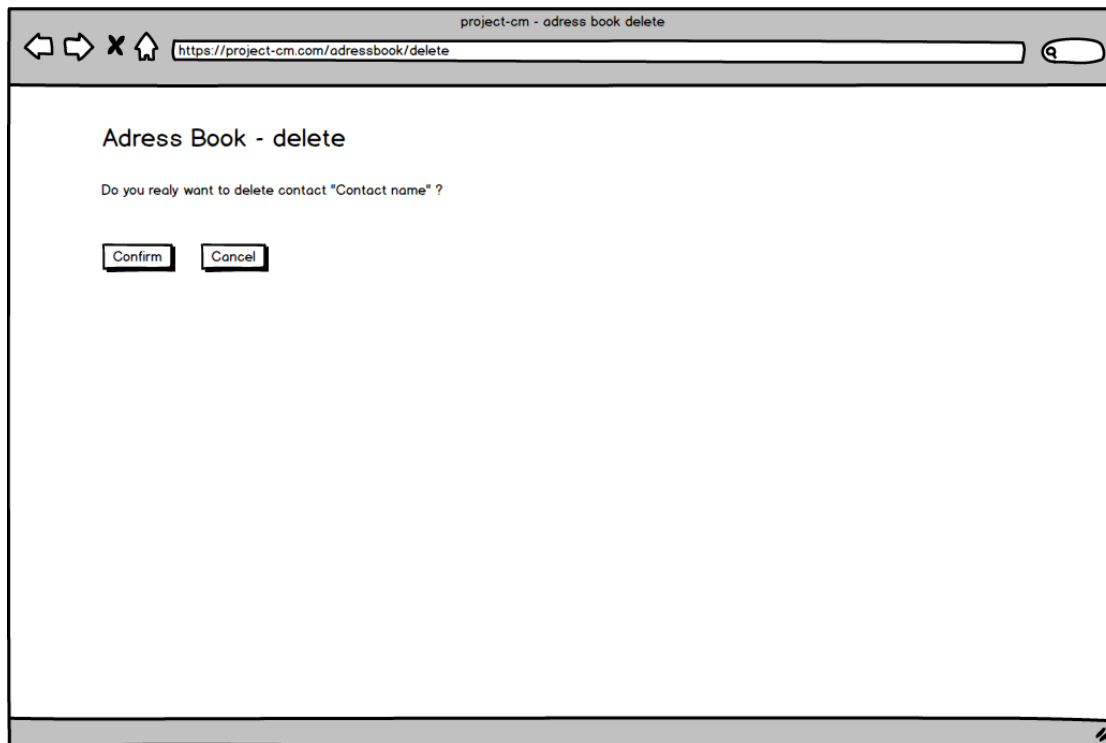
Adress Book

Picture	Name	Telephone Nr	Email			
	Andreas	0234580321	hallo@test.com	<input type="button" value="View"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
	Tobbe	0132871641	tobbe@test.com	<input type="button" value="View"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
	Tobias	037239134	tobi@test.com	<input type="button" value="View"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

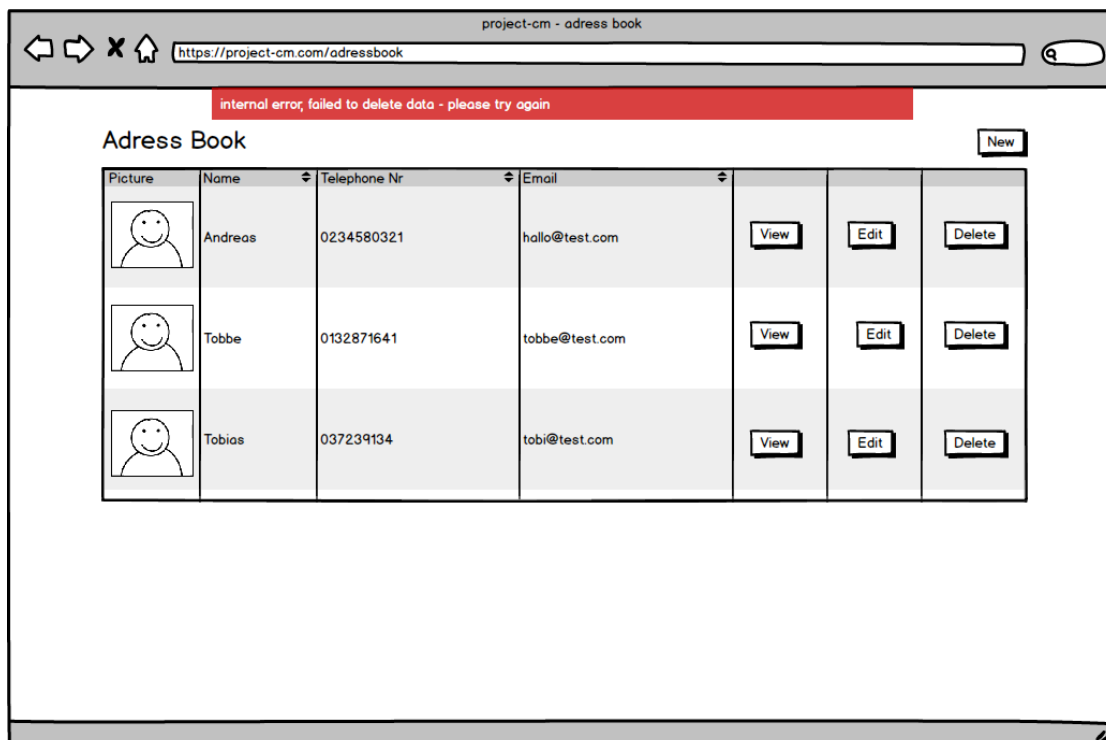
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8.5 Delete contact

8.5.1 Confirm view



8.5.2 Error: Deletion failed



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8.5.3 Success: Data deleted

project-cm - adress book

https://project-cm.com/adressbook

data deleted successfully

Adress Book New

Picture	Name	Telephone Nr	Email			
	Andreas	0234580321	hallo@test.com	View	Edit	Delete
	Tobbe	0132871641	tobbe@test.com	View	Edit	Delete
	Tobias	037239134	tobi@test.com	View	Edit	Delete

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9. Function Points

Below you can see the function point calculation for this use case.

	Manage Address Book	
Domain Characteristic Table		
Number of User Input	10	Simple
Number of User Outputs	5	Simple
Number of User Inquiries	2	Simple
Number of Files	2	Simple
Number of External Interfaces	1	Simple
Complexity Adjustment Table		
Does the system require reliable backup and recovery?	4	
Are data communications required?	3	
Are there distributed processing functions?	0	
Is performance critical?	1	
Will the system run in an existing, heavily utilized operational environment?	0	
Does the system require on-line data entry?	5	
Does the on-line data entry require the input transaction to be built over multiple screens or operations?	5	
Are the master files updated on-line?	1	
Are the inputs, outputs, files or inquiries complex?	3	
Is the internal processing complex?	2	
Is the code to be designed reusable?	5	
Are conversion and installation included in the design?	0	
Is the system designed for multiple installations in different organizations?	2	
Is the application designed to facilitate change and ease of use by the user?	0	
Function Points	72	