

Question: Write use cases (reverse engineer them) corresponding to all the operations that can be performed on the application

Case Study: Address Book

Use case: Login Verification

Actors: Customer

Pre-condition: Customer is registered and authenticated

Success Guarantee: Customer has successfully access the address book system

Main Success Scenario

Actor Action	System Response
Customer access the address book website or app to save the addresses, manage groups etc. 1. Customer enters name and password to the system	 2. System verify the user name and password. 3. System redirect the user to addressbook

Alternate Scenario

2a. Wrong username and password

- System keep the user to login page.

Use case: Add Address

Actors: Customer

Pre-condition: Customer is registered and authenticated

Success Guarantee: System has successfully save the address

Main Success Scenario

Actor Action	System Response
Customer can add the new address in the address book. 1. Customer enters the address in simple textual format. 4. Customer can edit the address.	 2. System get the address and saves the customer address. 3. System put the textual content to form.

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Alternate Scenario

1a. Customer do add address

- System saves the empty record.

Use case: Modify Address

Actors: Customer

Pre-condition: System has an address

Success Guarantee: Customer has successfully edit the address

Main Success Scenario

Actor Action	System Response
2. Customer can enter the remaining details 3. Customer can edit the previous details	1. System gives the saved address to customer. 4. System saves the edited recods. 5. System show the the customer addresses.

Alternate Scenario

3a. Customer do not add missing detail

- System saves the empty record.

Use case: View an address

Actors: Customer

Pre-condition: Customer must select the address to view.

Success Guarantee: Customer can successfully view the address

Main Success Scenario

Actor Action	System Response
3. Customer open and view the address	1. System show the address to customer. 2. System allow user to view an address through map

6. Customer can download and view the card.	4. System develop a card of address 5. System allow the user to download the address in form of cards.
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Use case: Delete an address

Actors: Customer

Pre-condition: Customer must select the address to delete.

Success Guarantee: Customer can successfully delete the address

Main Success Scenario

Actor Action	System Response
2. Customer selects and delete an address.	1. System show the address to customer.
4. Customer gives the deletion conformance	3. System take customer conformance.
	5. System delete the address.

Alternate Scenario

3a. Customer do not conform to the deletion

- System do not delete an address

.Use case: Sends an email

Actors: Customer

Pre-condition: Customer must have an its own email address.

Success Guarantee: Customer has successfully send an email

Main Success Scenario

Actor Action	System Response
1. Customer selects an address to send an email mail.	
3. Customer choose the mailing server 4. Enter his email and password. 5. send an email to them.	2. System allow the user to connect to different mailing servers.

.Use case: Add address to groups

Actors: Customer

Pre-condition: System must have a groups

Success Guarantee: Customer has successfully added address to groups.

Main Success Scenario

Actor Action	System Response
1. Customer selects an address to add them in groups. 3. Customer add address it corresponding groups.	2. System have all groups. 4. System add the address in group. 5. System allow them to send a mail to group.

Alternate Scenario

3a. System have no groups

- Customer have to make a group.

Use case: Create the group

Actors: Customer

Pre-condition: Customer have an access to create a group.

Success Guarantee: Customer has successfully created the group.

Main Success Scenario

Actor Action	System Response
3. Customer add all information about group.	1. System allows the user to create a group. 3. System saves the information about group. 4. System allow the customer to edit the information.

Alternate Scenario

3a. Customer do not add any information

- System ask the user to enter information.

Use case: Edit the group

Actors: Customer

Pre-condition: System must have a group

Success Guarantee: Customer has successfully edit the group.

Main Success Scenario

Actor Action	System Response
2. Customer selects a group to edit.	1. System saves the information about group.
4. customer enters an information	3. System shows the selected group information
	5. System saves the edited information about group.

Alternate Scenario

5a. Customer donot change any information

- System saves the previous information.

.Use case: Delete the group

Actors: Customer

Pre-condition: System have a groups.

Success Guarantee: Customer has successfully delete.

Main Success Scenario

Actor Action	System Response
3. Customer selects the group to be delete.	1. System shows the groups to user.
	3. System delete the groups.
	4. System keeps the information about address.

.Use case: Birthdays Record

Actors: Customers

Pre-condition: There must be address having date of births

Success Guarantee: Customer successfully get upcoming birthdays.

Main Success Scenario

Actor Action	System Response
2. Customer view the upcoming birthdays. 7. System can view, edit and download an address card.	1. System shows the upcoming birthdays of address 3. System allows the user to view details 4. System allows user to edit the details. 5. System allows user to download a card. 6. System allow user to view address on google map.

Use case: Print details

Actors: Customers

Pre-condition: There must be address to print.

Success Guarantee: Customer successfully print detail address.

Main Success Scenario

Actor Action	System Response
2. Customer can take the print of phone numbers. 4. Customer can print the details of address.	1. System allows the user to print phone numbers. 3. System allows user to print the address details.

Alternate Scenario

3a. System have no address

- Customer have entered an address to take print.

Use case: Import & Export address

Actors: Customers

Pre-condition: There must be address to export and import.

Success Guarantee: Customer successfully import and export the address

Main Success Scenario

Actor Action	System Response
2. Customer can download them.	1. System allows the user to download the address details in different formats (vCards, vCards, nokia, All in one).
4. Customer can download and view the birthday on their system calendars.	3. System allows user to add the birthdays to calendar.
6. Customers can import the address in system specifies formats.	5. System allow the user to import the address in different formats

Alternate Scenario

6a. Customer import address in format not specified by system

- Notify the customer to enter the address in correct format.