1.1.1 Use-Cases

1.1.1.1 Actors description

A *Basic user*

Role description: Basic user is an employee which has a read access on all data, excepted on all users data. He can also write his task and insert data about persons and companies.

B *Department leader user*

Role description: Department leader user has a read/write access on all data, excepted to create user, to define user rights and to modify user data. As I explain in chapter **Erreur ! Source du renvoi introuvable.**, all the use-cases concerning this actor will not be develops.

C *Administrator*

Role description: Administrator can create user, define user rights and modify user data.
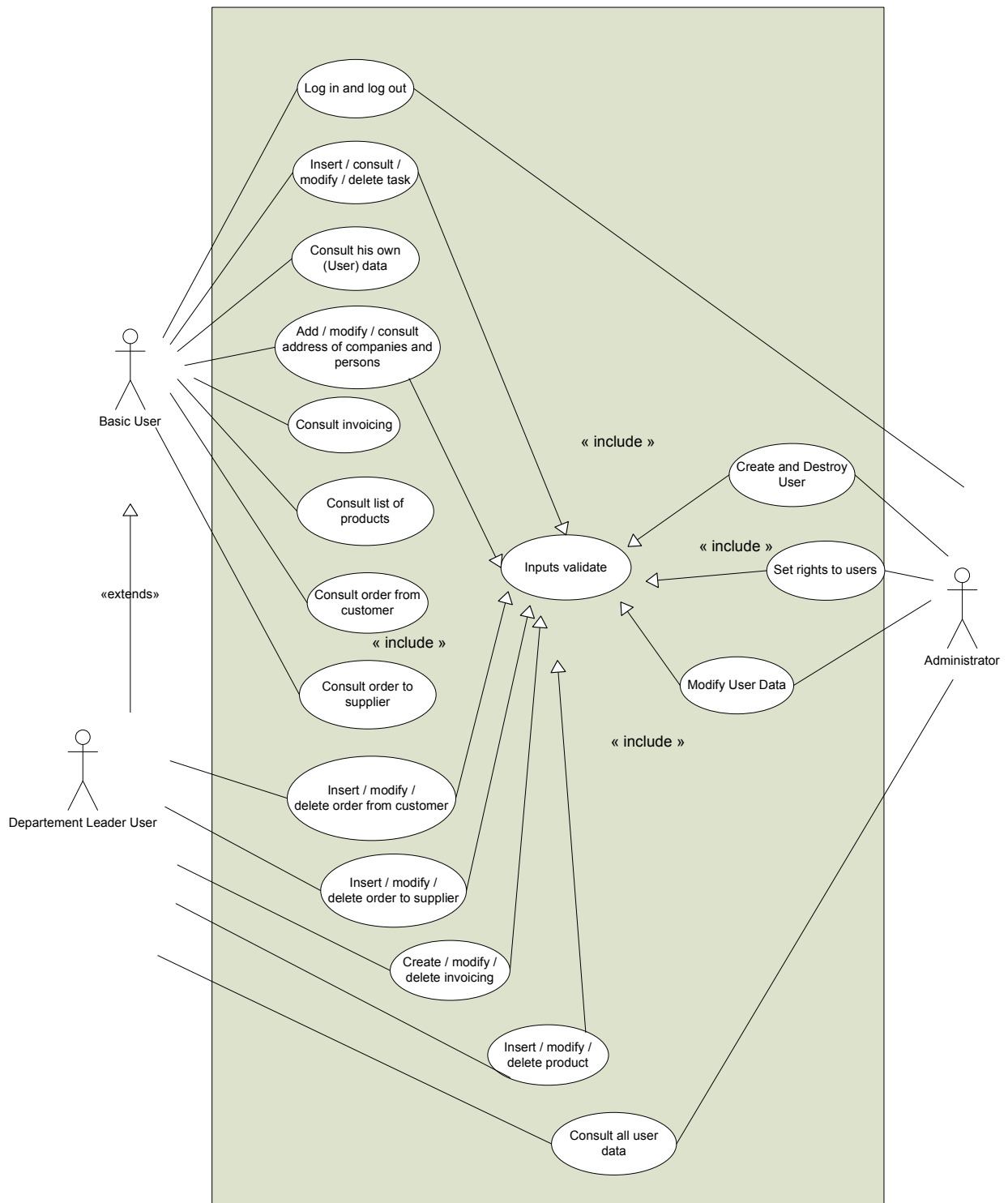
1.1.1.2 Use case diagram

Figure 1: Use case of the Easy Database application.

This use case shows:
- The actors: basic user, department leader user and administrator.
- A list of basic use cases, which will be describe below.

1.1.1.3 Use cases description

A   *Inputs validate*

Main Actor:
Basic user / Administrator

Scenario:
System checks inputs (format, value, …)

Extensions:
One or more inputs are not Ok (wrong format, value not valid, …)
System shows the not valid inputs
        a.   Basic user or Administrator makes the correction or cancel.

B   *Log in and log out*

Main Actor:
Basic user / Administrator

Scenario (Log in):
1. The user gives username and password.
2. The system tests username and password.
3. The system registers user.
4. The system shows main page.

Extensions:
3. Username does not exist or wrong password.
4. System shows error message.

Scenario (Log out):
1. The user chooses to Log out.
2. The system log out the user.

C   *Insert / Consult / Modify / Delete Task*

Main Actor:
Basic user

Scenario (The common part):
1. System shows the list of the last x tasks of the user.

Scenario (Insert):
2. Basic user inserts data to create a new task and creates it.
3. System validates inputs (new task) (use case A).
4. System saves new task.
5. System shows the list of the last x tasks with the new inserted task.

Scenario (Consult a list of task):
2. Basic user changes the number of tasks showed or the date from and / or to show.
3. System shows the list of all selected tasks

Scenario (Modify):
2. Basic user chooses a task and modifies it.
3. System validates inputs (modified task) (use case A).
4. System saves modified task.
5. System shows the list of the last x tasks with the modified task.

Scenario (Delete):
2. Basic user chooses a task and deletes it.
3. System deletes the concerned task.
4. System shows the list of the last x tasks without the deleted task.

Remark:
Last x tasks: x is a parameter.

D   *Consult his own (user) data*

Main Actor:
Basic user

Scenario:
1. System shows the user data.

E   *Add / Consult / Modify address of companies and persons*

Main Actor:
Basic user

Scenario (The common part):
1. System shows the list of companies' addresses by alphabetical order.

Scenario (Add):
2. Basic user inserts data to create a companies or persons addresses and creates it.
3. System validates inputs (use case A).
4. System saves the new address.
5. System shows the list of companies' addresses by alphabetical order.

Scenario (Consult):
2. Basic user changes the number of addresses showed.
3. System shows the list of all selected addresses.

Scenario (Modify):
2. Basic user chooses an address and modifies it.
3. System validates inputs (use case A).
4. System saves the modified address.
5. System shows the list of companies' addresses by alphabetical order.

F   *Consult list of products*

Main Actor:
Basic user

Scenario:
1. System shows the list of products.

G   *Consult invoicing*

Main Actor:
Basic user

Scenario:
1. System shows the list of invoicing.

H   *Consult order from customer*

Main Actor:
Basic user

Scenario:
1. System shows the list of order from customer ordered by date.

I   *Insert / modify / delete order from customer*

Main Actor:
Department leader user

Scenario (The common part):
1. System shows the list of order from customer ordered by date.

Scenario (Insert):
2. Department leader user inserts data to create a new order from customer and creates it.
3. System validates inputs (use case A).
4. System saves the new order.
5. System shows the list of order from customer ordered by date.

Scenario (Modify):
2. Department leader user chooses an order and modifies it.
3. System validates inputs (use case A).
4. System saves the modified order.
5. System shows the list of order from customer ordered by date.

Scenario (Delete):
2. Department leader user chooses an order and deletes it.
3. System deletes the concerned order.
4. System shows the list of order from customer ordered by date.

J   *Consult order to supplier*

Main Actor:
Basic user

Scenario:
1. System shows the list of order to supplier ordered by date.

K   *Insert / modify / delete order to supplier*

Main Actor:
Department leader user

Scenario (The common part):
1. System shows the list of order to supplier ordered by date.

Scenario (Insert):
2. Department leader user inserts data to create a new order to supplier and creates it.
3. System validates inputs (use case A).
4. System saves the new order.
5. System shows the list of order to supplier ordered by date.

Scenario (Modify):
2. Department leader user chooses an order and modifies it.
3. System validates inputs (use case A).
4. System saves the modified order.
5. System shows the list of order to supplier ordered by date.

Scenario (Delete):
2. Department leader user chooses an order and deletes it.
3. System deletes the concerned order.
4. System shows the list of order to supplier ordered by date.

L   *Create / modify / delete invoicing*

Main Actor:
Department leader user

Scenario (The common part):
1. System shows the list of invoicing ordered by date.

Scenario (Create):
2. Department leader user selects in list of order from customer, the order which was send and create the invoicing.
3. System validates inputs (use case A).
4. System saves the new invoicing.
5. System shows the list of invoicing ordered by date.

Scenario (Modify):
2. Department leader user chooses an invoicing and modifies it.
3. System validates inputs (use case A).
4. System saves the modified invoicing.
5. System shows the list of invoicing ordered by date.

Scenario (Delete):
2. Department leader user chooses an invoicing and deletes it.
3. System deletes the concerned invoicing.
4. System shows the list of invoicing ordered by date.

M   *Insert / modify / delete product*

Main Actor:
Department leader user

Scenario (The common part):
1. System shows the list of products ordered by alphabetical order.

Scenario (Insert):
2. Department leader user inserts data to create a new product and creates it.
3. System validates inputs (use case A).
4. System saves the new product.
5. System shows the list of products ordered by alphabetical order.

Scenario (Modify):
2. Department leader user chooses a product and modifies it.
3. System validates inputs (use case A).
4. System saves the modified product.
5. System shows the list of products ordered by alphabetical order.

Scenario (Delete):
2. Department leader user chooses a product and deletes it.
3. System deletes the concerned product.
4. System shows the list of products ordered by alphabetical order.

N   *Consult all user data*

Main Actor:
Department leader user / Administrator

Scenario:
1. System shows the list of all users.
2. Department leader user or Administrator chooses a user to consult his data.
3. System shows the data of this user.

O   *Create and destroy user*

Main Actor:
Administrator

Scenario (The common part):
1. System shows the list of all users.

Scenario (Create):
6. Administrator inserts data to create a new user and creates it.
7. System shows the list of all users with the new inserted user.

Scenario (Destroy):
1. Administrator chooses in the list the user to destroy.
2. System shows the list of all users without the destroyed user.

P   ***Set rights to user***

Main Actor:
Administrator

Scenario:
1. System shows the list of all users with rights.
2. Administrator changes the user rights. (Basic user / Department leader user / Administrator).
3. System shows the list of all users with new rights.

Q   ***Modify user data***

Main Actor:
Administrator

Scenario:
1. System shows the list of all users.
2. Administrator chooses a user to see his data.
3. System shows the data of the chosen user.
4. Administrator changes the user data.
5. System shows the list of all users