**DataBase schema for EcoFarmer**

Table user:

{

user\_id SERIAL PRIMARY KEY,

cooperative\_name CHAR,

email CHAR,

phone CHAR,

password CHAR,

managers CHAR,

status CHAR

}

Table Cooperative\_info

{

cooperative\_id L PRIMARY KEY,

user\_id FOREIGN KEY,

trade\_licence CHAR,

member\_number INT,

system\_employer\_number INT,

contact CHAR,

location CHAR,

started\_date DATE,

Relationship MANY\_TO\_ONE,

}

Table stock\_management

{

stock\_id PRIMARY KEY,

user\_id INT FOREIGN KEY,

quantity INT,

date DATE,

quality\_id INT FOREIGN KEY,

expired\_date DATE,

total\_quantity INT,

relationship many\_to\_one

}

Table Type\_info

{

type\_id PRIMARY KEY,

name CHAR,

set\_temperature DECIMAL,

set\_humidity DECIMAL,

seasons CHAR

}

Table system\_info

{

system\_id L PRIMARY KEY,

cooperative\_id INT,

status CHAR,

temperature\_change DECIMAL,

humidity\_change DECIMAL,

last\_updated DATE,

Relation one\_to\_one cooperative\_id,

Relation Many\_to\_Many system\_id

}

Table system\_fail

{

failed\_id PRIMARY KEY,

name CHAR,

error\_detail TEXT,

equipment CHAR,

level CHAR,

effect CHAR

}

Table Notification

{

notification\_id PRIMARY KEY,

system\_id INT,

cooperative\_id INT,

message TEXT,

failed BOOLEAN,

date DateTime,

Relation Many\_to\_one(system\_id),

Relation Many\_to\_one(cooperative\_id)}

Table message

{

message\_id PRIMARY KEY,

email CHAR,

comment TEXT,

reply TEXT

}

Table Geolocation

{

geolocation\_id PRIMARY KEY,

cooperative\_id INT,

latitude DECIMAL,

longitude DECIMAL,

address CHAR,

Relation one\_to\_one

}

Table quality\_control

{

quality\_id PRIMARY KEY,

stock\_id INT,

inspection\_date DATE,

temperature DECIMAL,

humidity DECIMAL,

quality\_status CHAR,

recommendations TEXT,

Relationship one\_to\_many

}