

Content

- Problem Statement
- Approach
- Object Module
- Use Cases
- Screen Shots



Problem Statement

- Now-a-days, wildfires are effecting our environment in a pessimistic way. UAV (Unmanned Aerial Vehicles) can detect the condition that cause the fire.
- Some UAV Drones have its specialties which might be expensive sometimes. People may want to rent it.

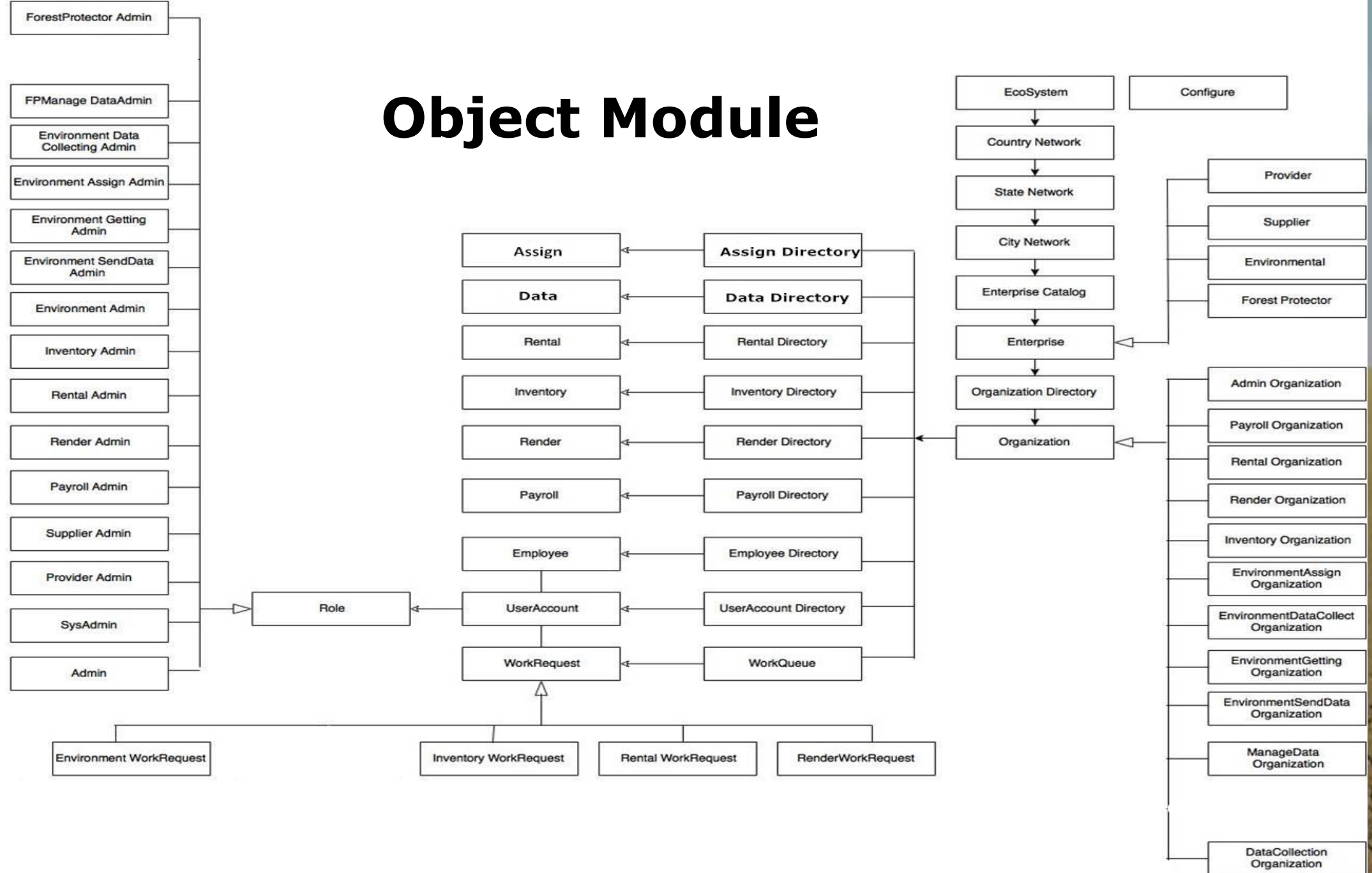


Approach

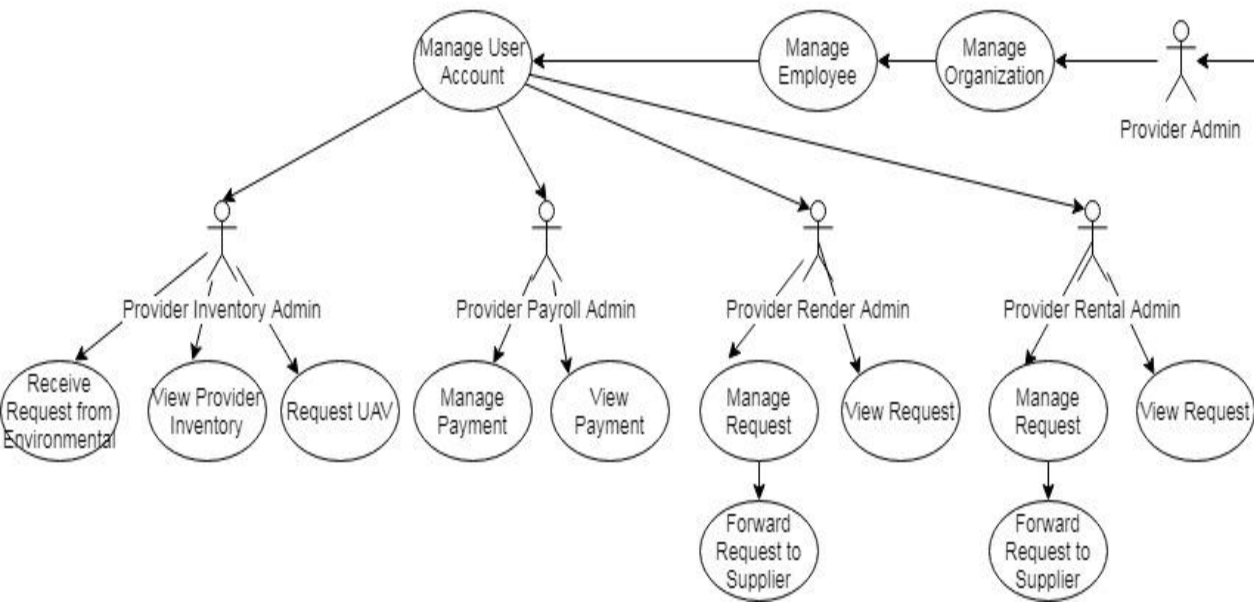
- Login with variable roles.
- Renting and Rental for products.
- Detect, report weather information.
- Communications in different departments.
- Send alerts to residences.
- Help prevent forest fire.



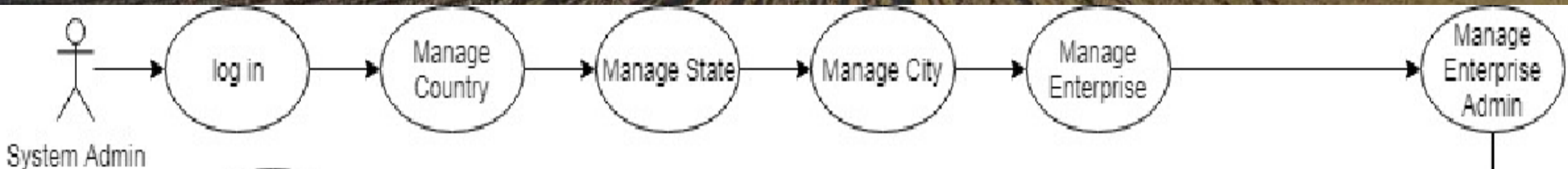
Object Module



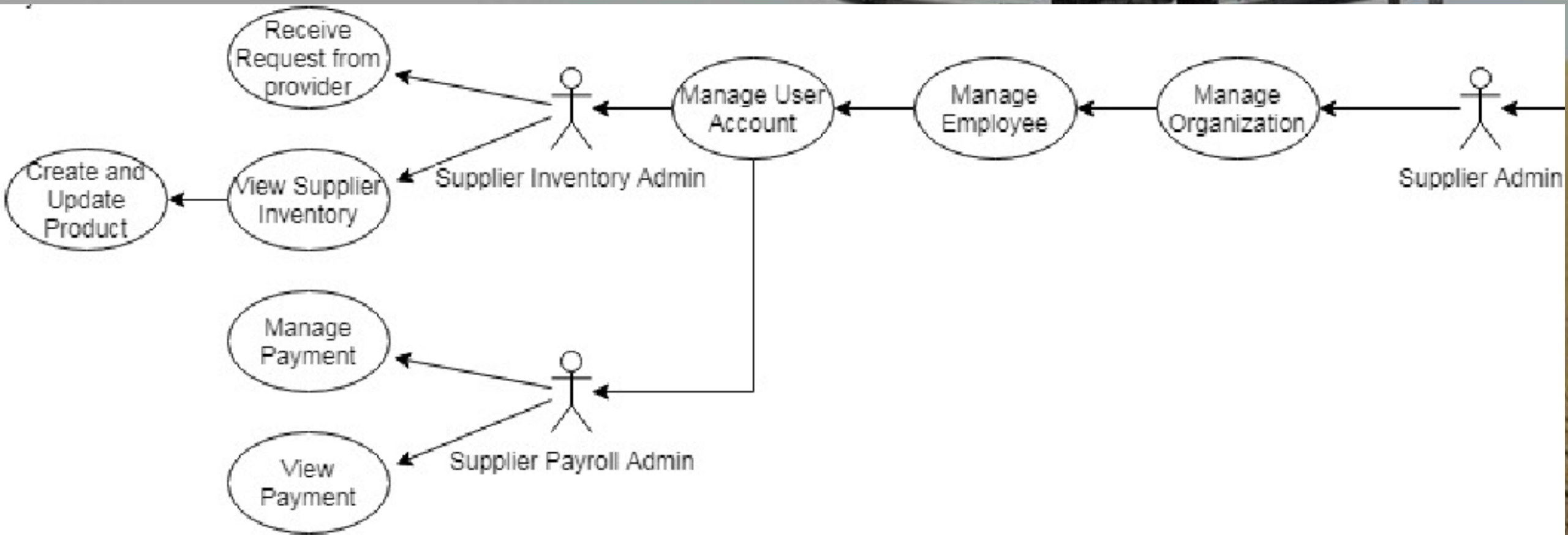
Use Case



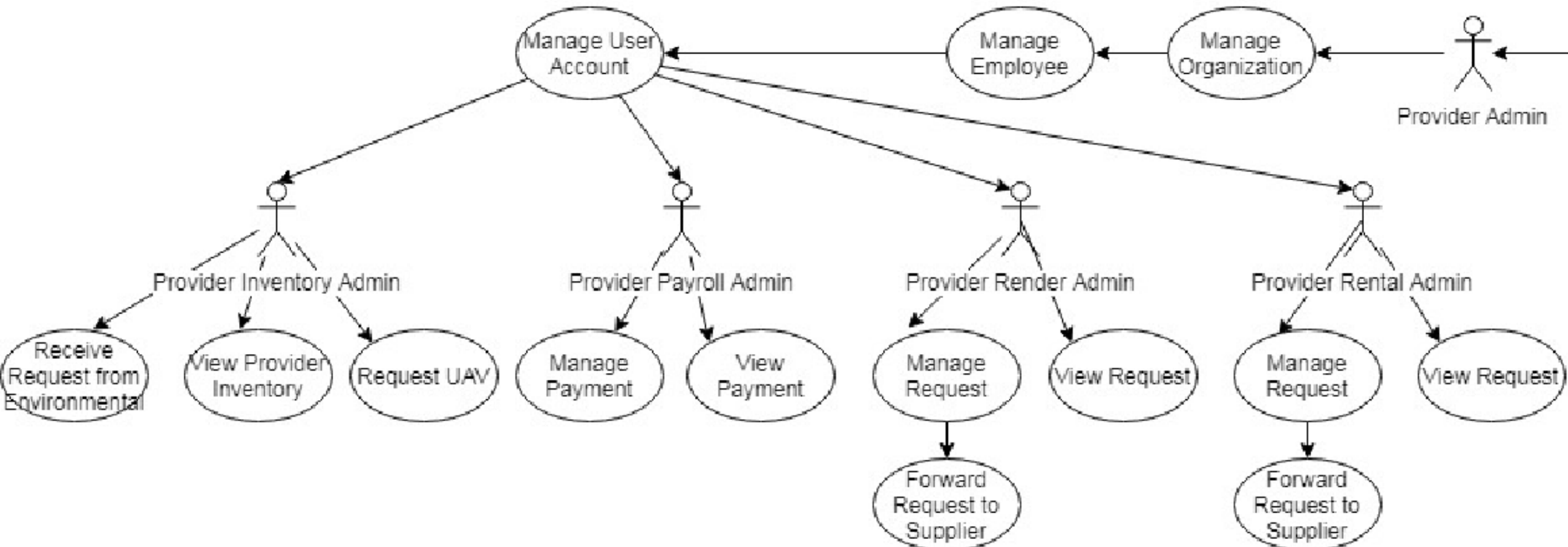
System Admin



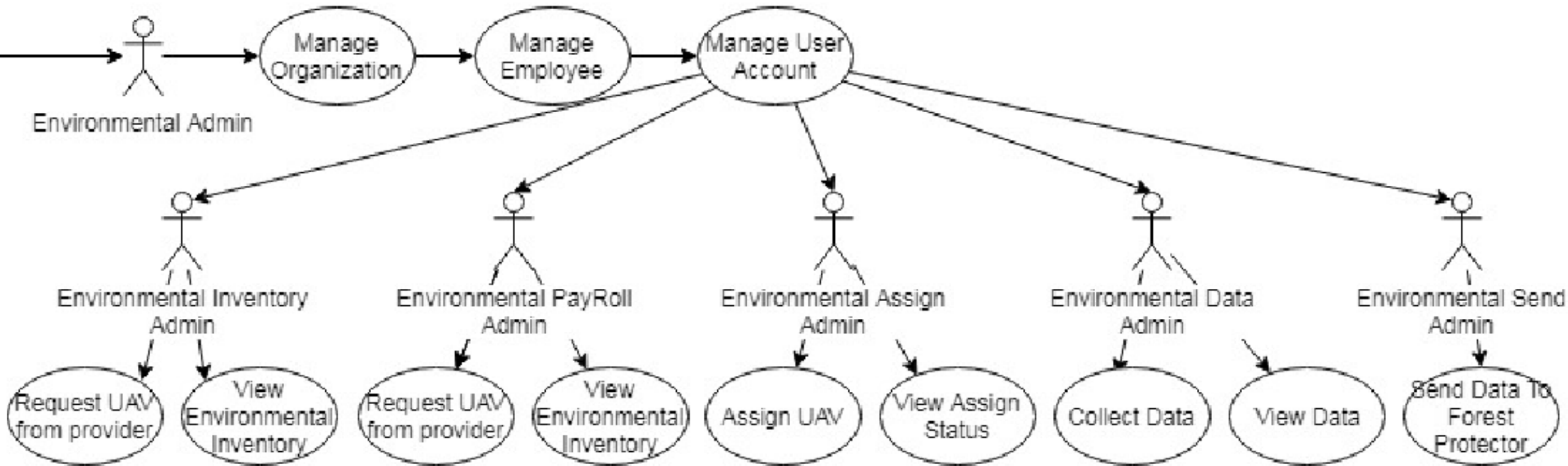
Supplier Admin



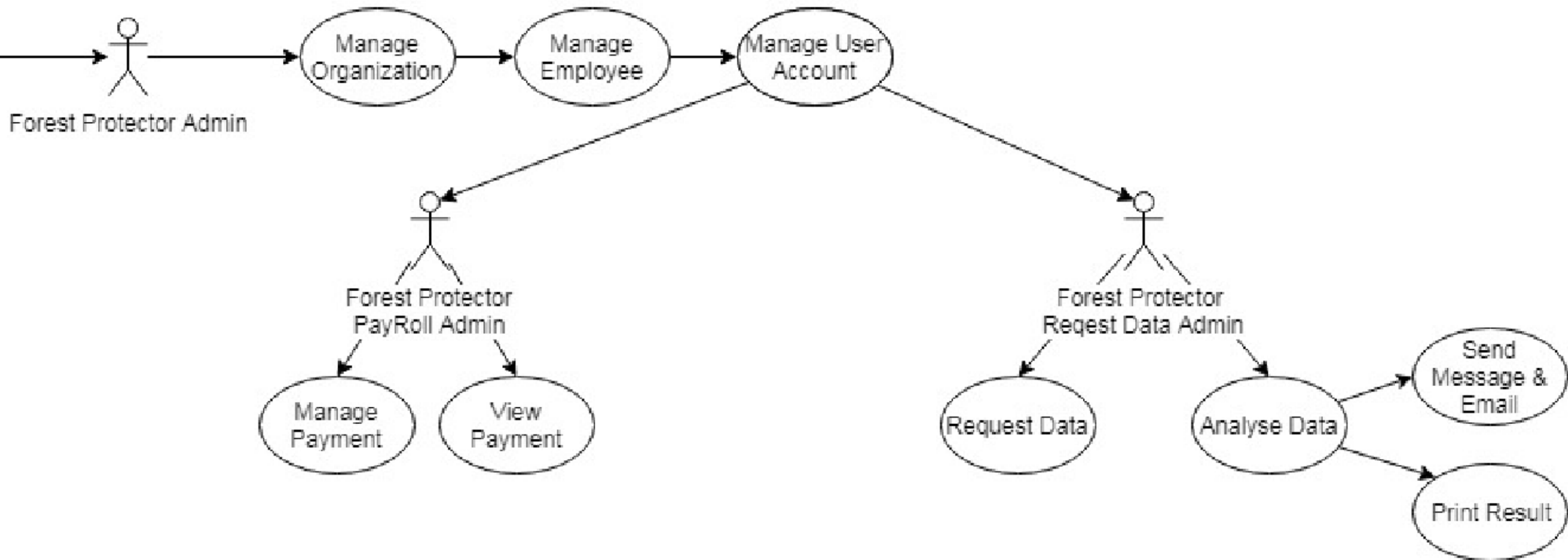
Provider Admin



Environmental Admin



Forest Protector Admin



Screen Shots

User Name:

pi

Password:

**

log in

log out

Request Inventory

Supplier:

s

Product:

FASTDRONE

Render or Rental:

Render

Quantity:

10

Submit


Request ID	Supplier	Product	Status	Quantity	RentalorRender
1	s	FASTDRONE	Sent	10	Render

<<Back

User Name:

prd

Password:

 log in

 log out

Sender	Receiver	Supplier	Product	Quantity	Status
prd		s	FASTDRONE	10	Requested

<<Back

User Name:

si

Password:

**

log in

log out

Sender	Receiver	Supplier	Product	Status	Quantity
prd	si	s	FASTDRONE	Completed	10

Assign to me

Process

<<Back

User Name:

ei

Password:

**

log in

log out

Request Inventory

Provider:

p

Product:

FASTDRONE

Quantity:

5

Submit

Request ID	Provider	Product	Status	Quantity
2	p	FASTDRONE	Sent	5

<<Back

User Name:

ea

Password:

**

 log in

 log out

Assign UAV

ID	Product Name	Quantity
4	FASTDRONE	4

Assign To:

Country:

USA

State:

MA

City:

BOSTON

Location:

75ALPHONSUSSTREE

ZipCode:

02120


Assign

<<Back

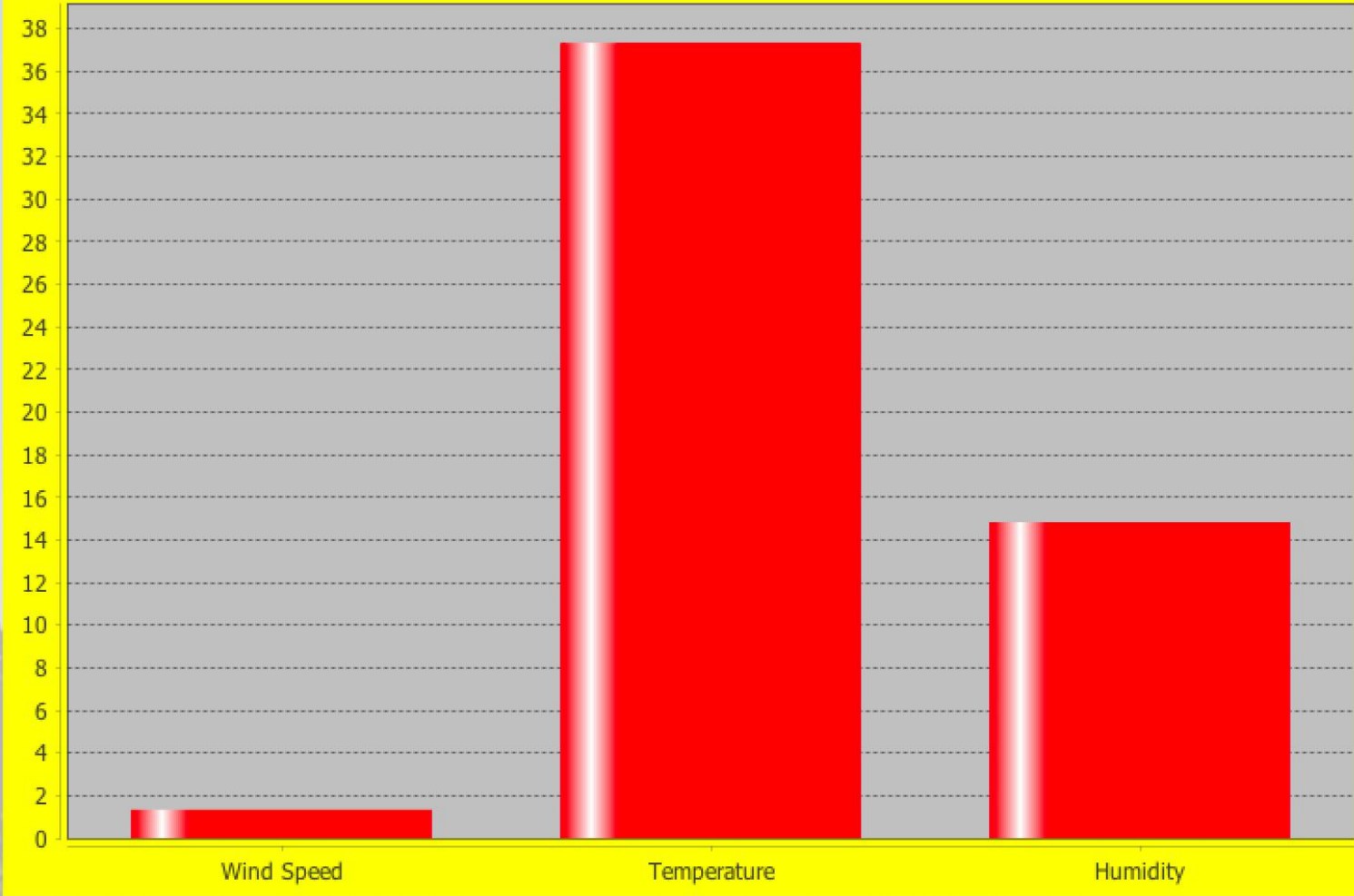
User Name:

Password:


 log in

 log out

Weather Information



CHANCE OF FOREST FIRE

-  SAFE
-  MODERATE
-  HIGH
-  VERY HIGH

SEND EMAIL

SEND MESSAGE

Date From: Wed Dec 01 00:00:00 ES... DateTo: Fri Dec 31 00:00:00 EST 17

<<Back

User Name:

fpr

Password:

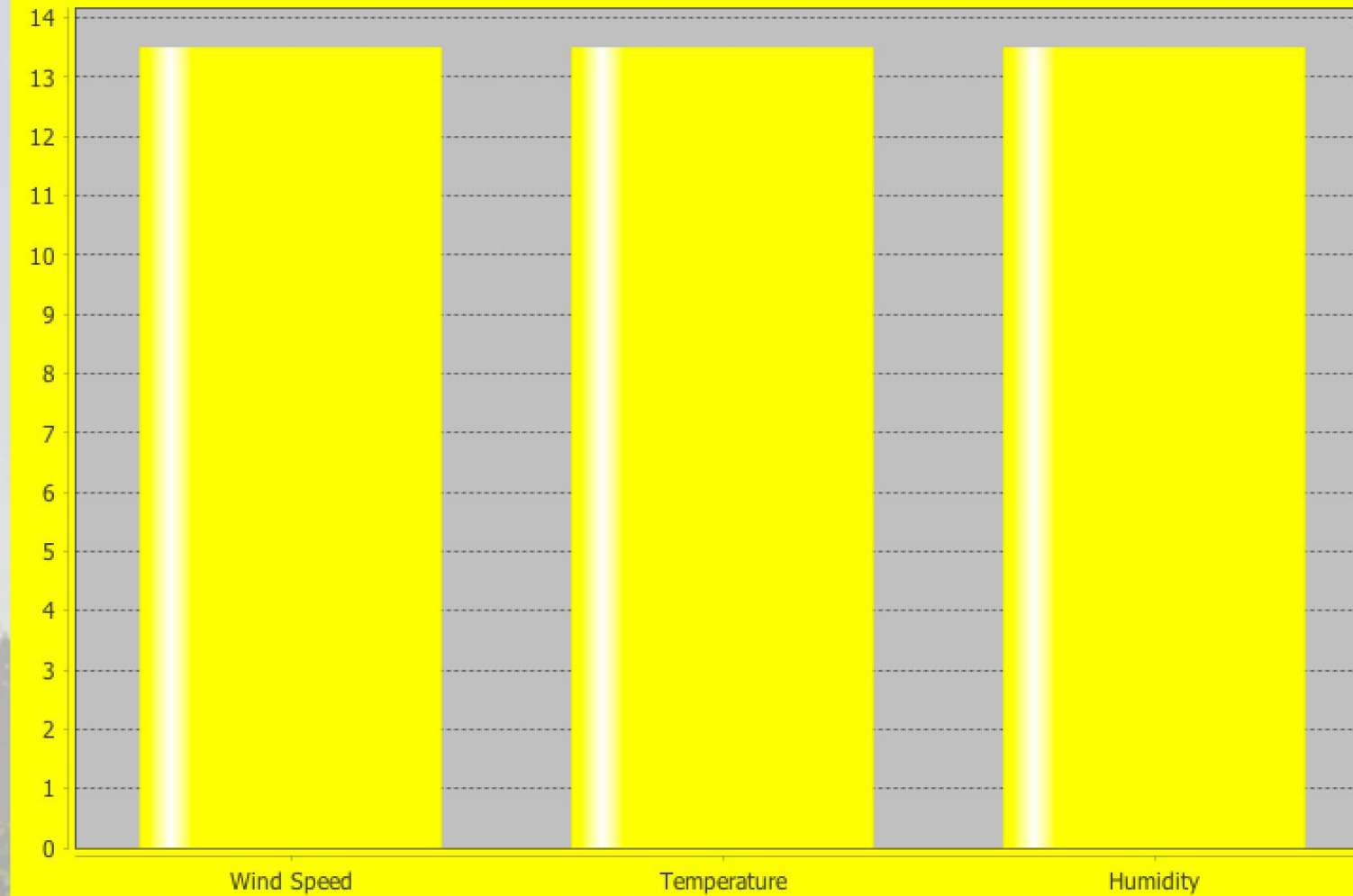


log in



log out

Weather Information



CHANCE OF FOREST FIRE



SAFE



MODERATE



HIGH



VERY HIGH

SEND EMAIL

SEND MESSAGE

Date From: Fri Jan 01 00:00:00 EST 17 DateTo: Sat Jan 30 00:00:00 EST 17

<<Back

SMS

Enter the number:

Enter the Message:

Send

