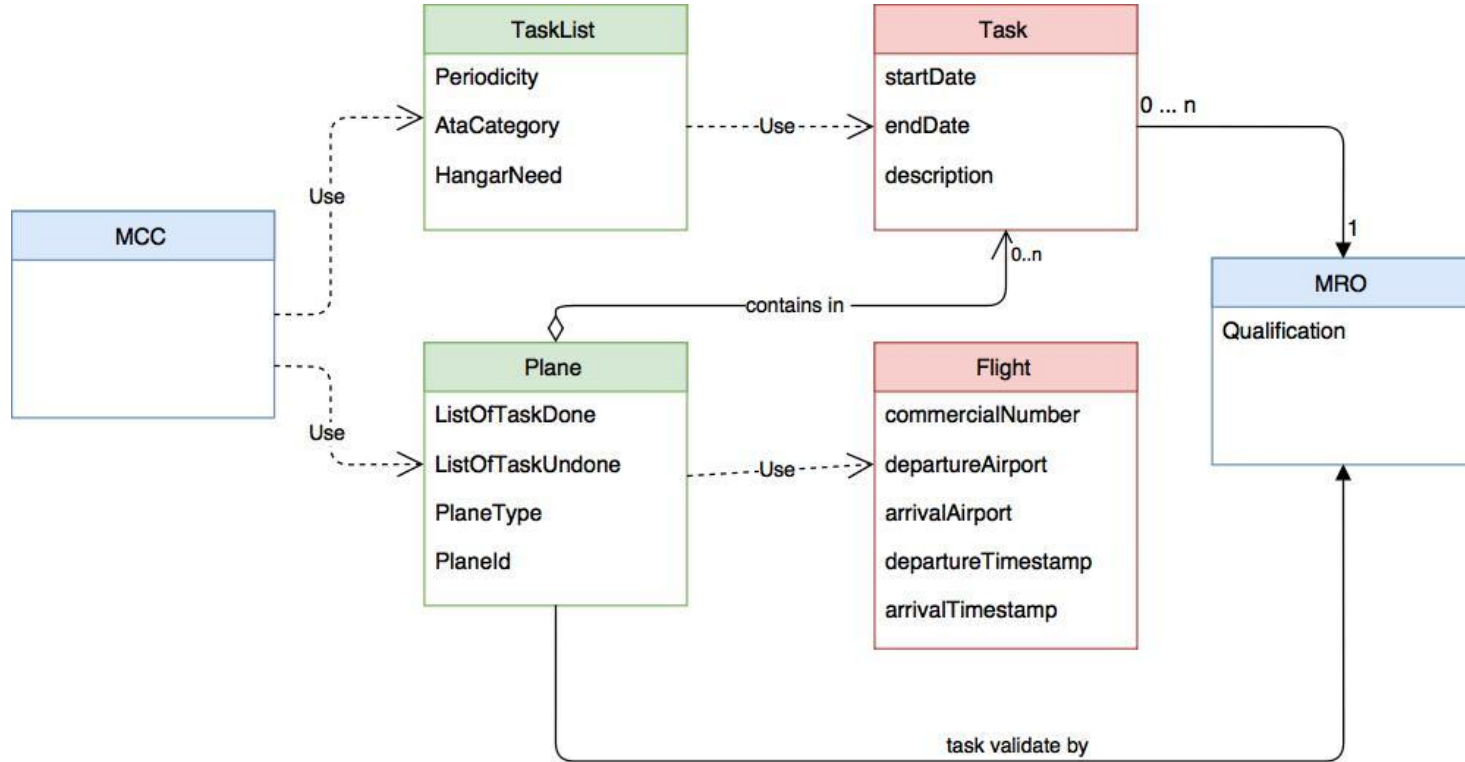# Aircrafts maintenance planification system

1 - Definition of the system

- Aircraft maintenance planning software.

- Sets of tasks to do in the coming weeks.

- Association of human and technical resources for all aircraft maintenance.
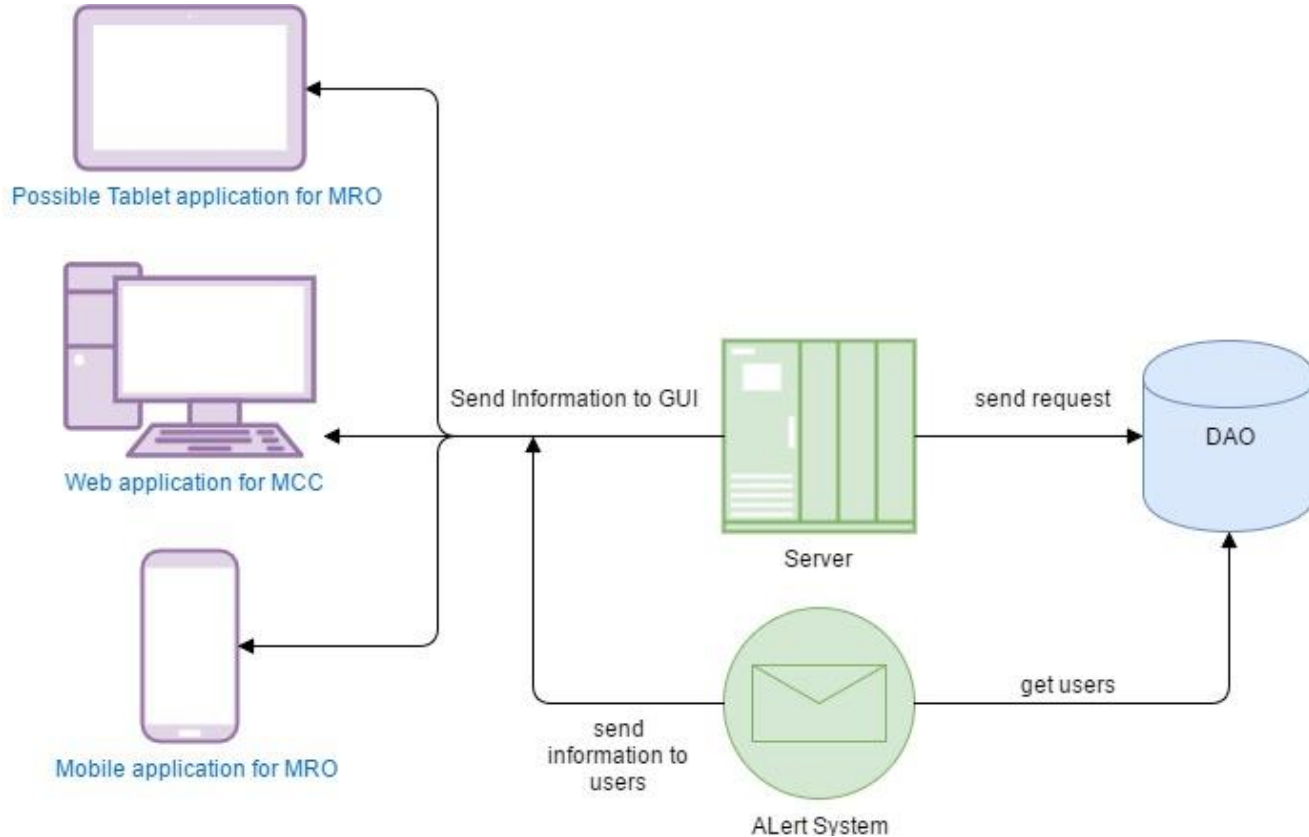
2 - Users

- Maintenance Control Center (MCC) : distribute tasks to some MRO

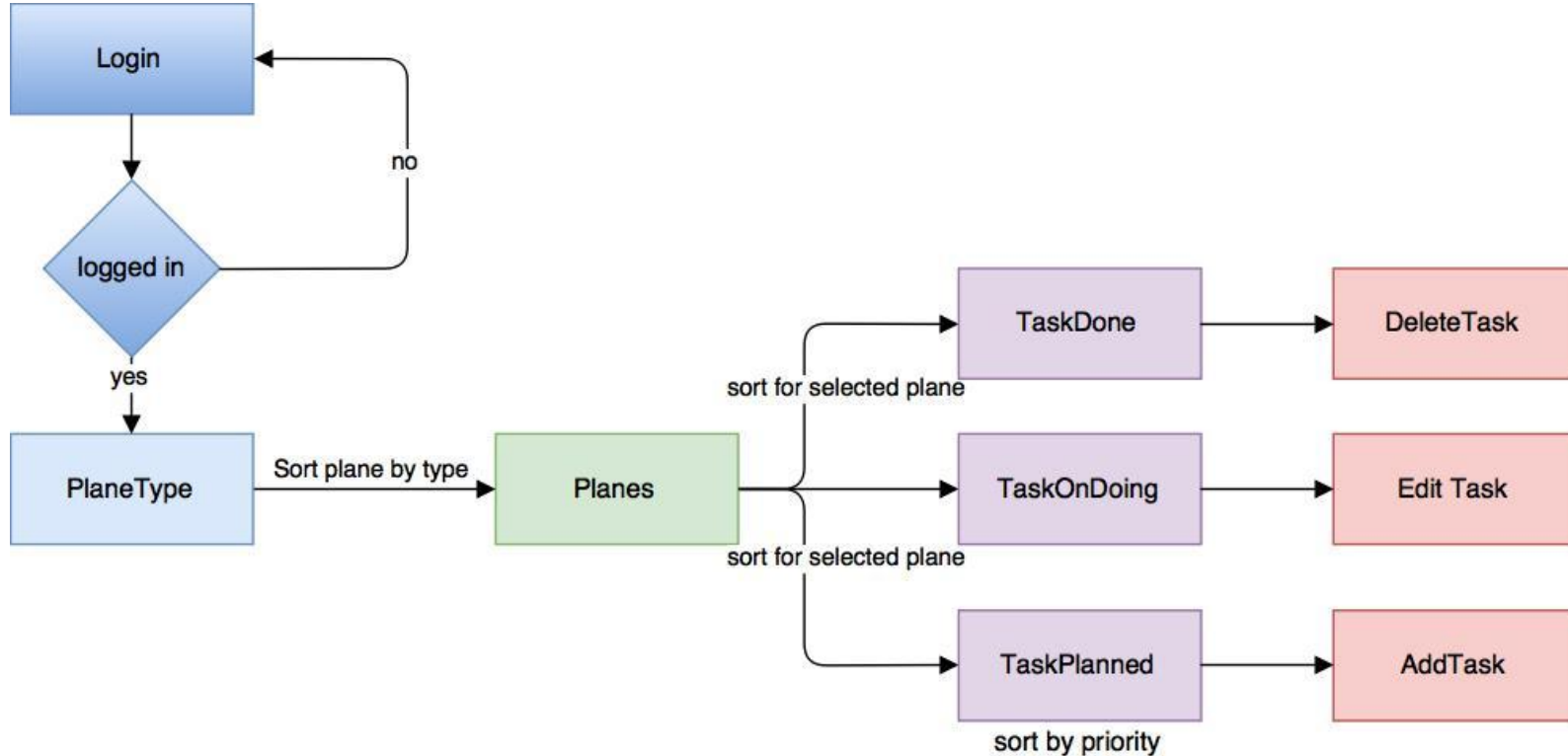- Maintenance Repair and Overhaul (MRO) : consult planning of tasks.
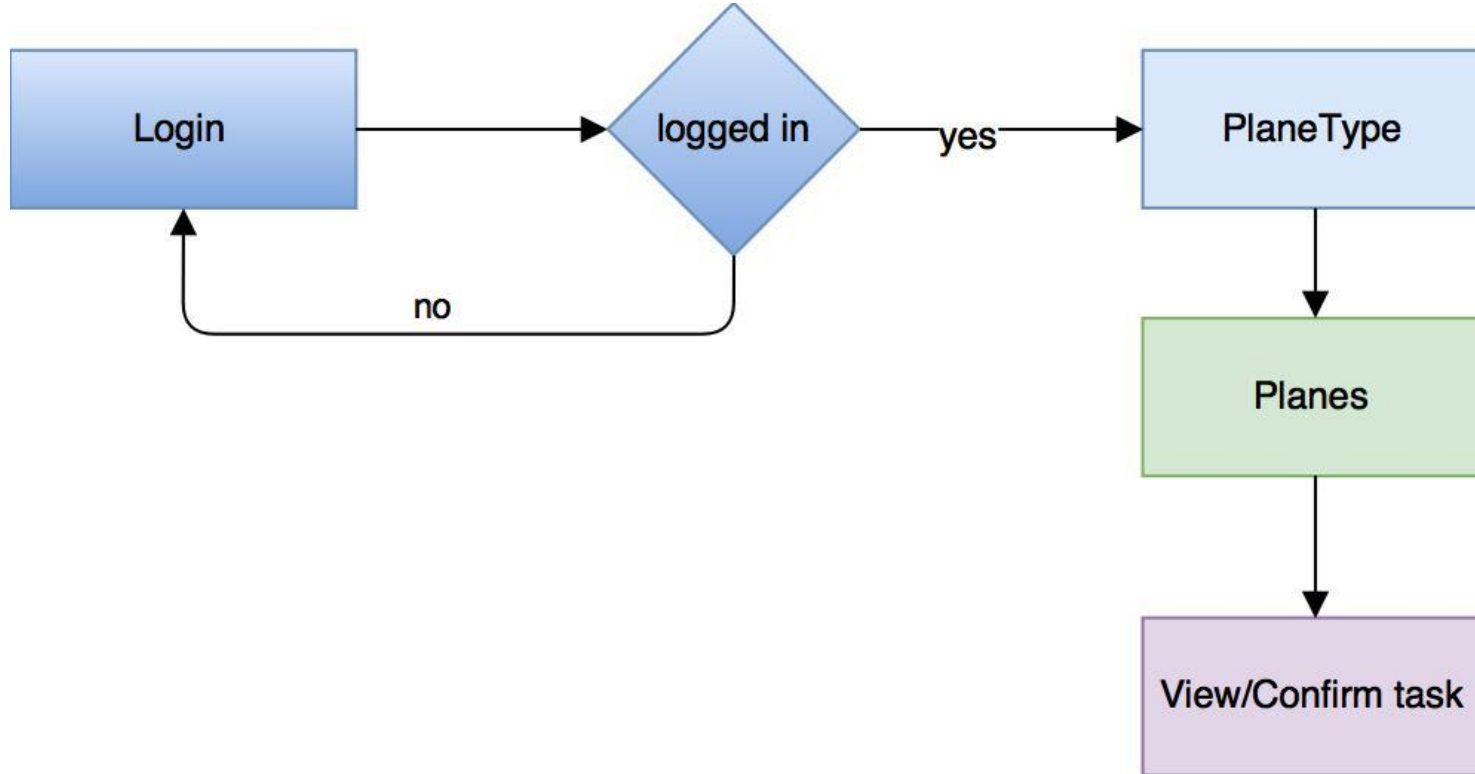
3 - Business Object

4 - Technical diagram

Possible Tablet application for MRO

Web application for MCC

Mobile application for MRO

Send Information to GUI

Server

send request

DAO

send information to users
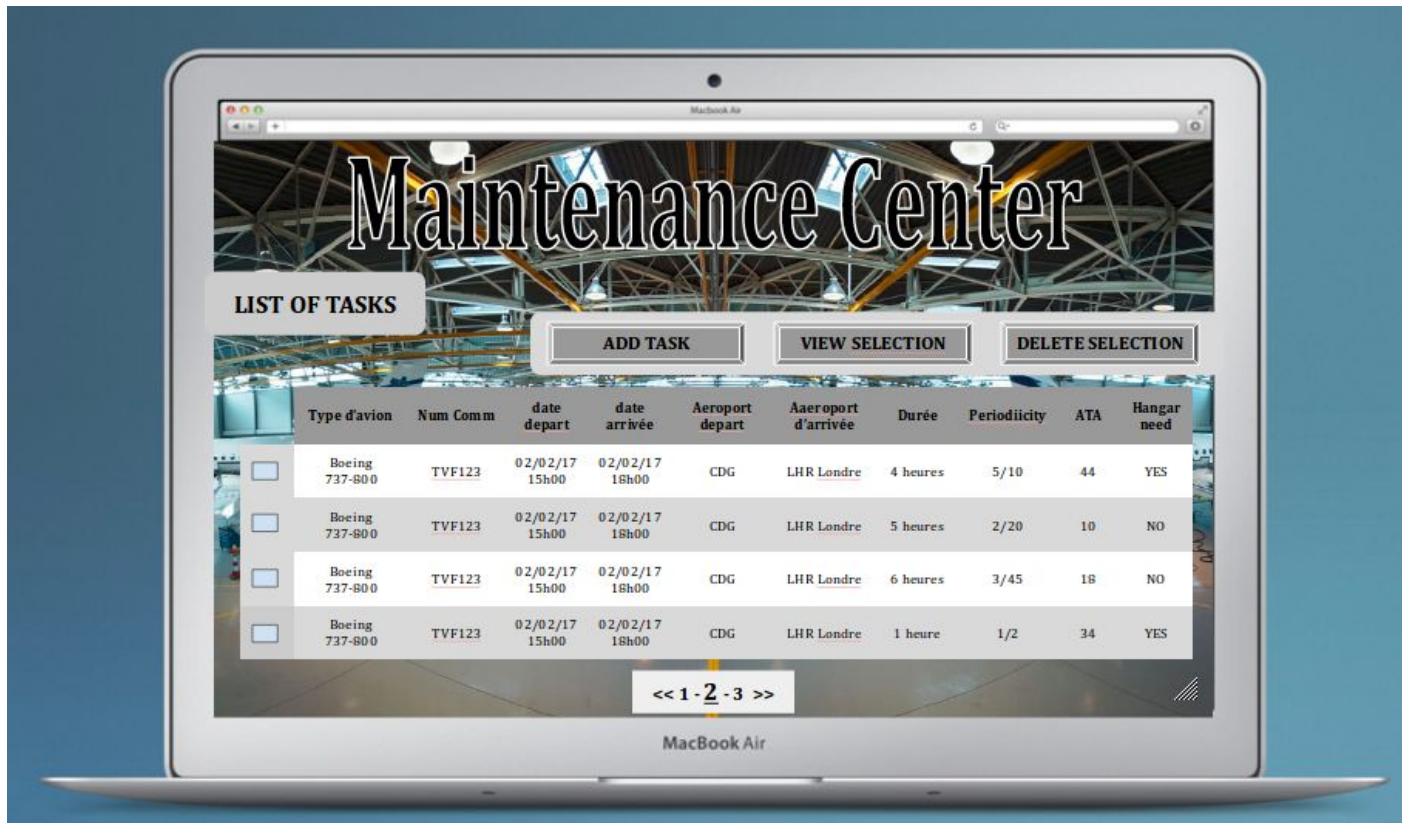
ALert System

get users

5 - Navigation diagram : MCC interface

5 - Navigation diagram : MRO interface

6 - Mockups : homepage/log-in

6 - Mockups : task list

6 - Mockups : add task

6 - Mockups : view task

6 - Mockups : edit task

6 - Mockups mobile : login
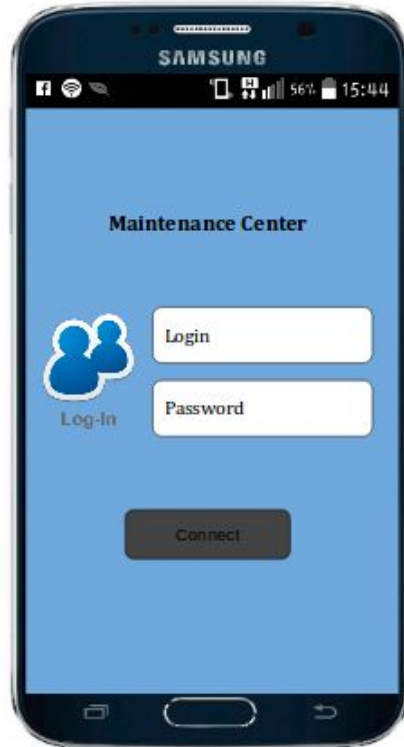
6 - Mockups mobile : task list

6 - Mockups mobile : view task

7 - Web services

Type	URL	Behavior
GET	/task/{user_id}	Returns a list of tasks by user's role
GET	/task/{task_id}	Returns all the properties of a task
POST	/task/add/	Add one new task
POST	/task/modify/{task_id}	Modify all the properties of a task
PUT	/task/update/{task_id}	Update one field of a task
DELETE	/task/delete/{task_id}	Delete a task
GET	/ata/view/{ata_id}	Return an ATA document

7 - Web services

Type	URL	Behavior
GET	/flight/view/{flight_id}	Return all the properties of a flight
GET	/aircraft/view/{aircraft_id}	Return all the properties of a physic airplane
GET	/aircraft/view/{aircraft_id}/tasks	Return all tasks for a specific airplane

Project members

- Diallo Mohamed
- Sy Amadou
- Ingani Jude
- Hamadi Krimo
- Fekih Ahmed Meriem
- Kaba Saran
- Yung-kun Hsieh
- Diabira Binta
- Oulebsir Hocine