The context of this project is a heterogeneous network where a user wants to find multimedia resources in order to access to them. 
The main goal of this project is the study of various technologies in order to implement a searching system of media resources. 
We have seen 2 architectures: centralized and distributed (Peer to Peer). 
In this project we have studied 2 technologies that will be implemented in a Java environment: Web Services for the centralized view and JXTA for the distributed view. 
In order to achieve our objective, we have made a study of both technologies already mentioned and all of their components. After that, we ran some tests to ensure they worked properly. 
Once we knew how the technologies worked, we designed the centralized and distributed architecture that we wanted to implement. The implementation has been sequential, that is, we started with a simple program and then we added new functionalities to it. 
Finally, we achieved the implementation of a centralized architecture that enables us to search, publish and delete resources. Furthermore, we successfully implemented a distributed architecture where a user can discover other users, organize groups, publish his services, find new services and communicate with other peers.