Based on the analysis of the background information, conceptual model and use case model and based on the technology that I have been using since I started this apprenticeship (PHP, SQL, HTML, CSS, JavaScript, jQuery), I decided to create a web application and I made a first sketch with paper and pencil of a few web pages that would have interacted with a database.

My idea was to have a page “Media Files” where there would have been a form to upload a file on the server, adding a title, comment, image and a category, and a list of all the uploaded files links to edit and delete them. Here a picture of my sketch for the web page “Media Files”:

Diagram, schematic

Description automatically generated

Then, for the playlists, the idea was to have a web page “Playlists” with a form to add a new playlist and with a list of files that could be added to the playlist, plus a list of playlists with links to edit or delete the playlists. Here a picture of the sketch of the web page “Playlists”:

A piece of paper with writing

Description automatically generated with medium confidence

The links “Edit” (file or playlist) would take to another page where there is a prefilled form where it’s possible to edit the info.

Close to the nav-bar, as you can see, I had also planned to have a field to search based on something typed in there.

I then sketched, again with paper and pencil, a database. Here a picture of it:

A white board with writing on it

Description automatically generated with medium confidence

In this way there wouldn’t have been any redundance of data. The table PlaylistsFiles is the one that makes possible to associate files to playlists.