



# Rocket League News

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Data Access

DAM 2

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# Project Introduction

The theme of the web is based on my favourite game, called "Rocket League", a soccer game where the humans are replaced by cars.

The base of this project is recycled of my previous project, that I did it last year. In that project news saved in json files were loaded. But in this case will be done with Java EE, databases, roles... etc.

This web is a final project for the subject "Accès a dades" of DAM 2, done by me, Andreu Juan Ferrá.

The project have a index portal, where the latest new are loaded by the date released. There are a section to upload news, this section is restricted to the admin users.

Once that the new is created will be saved and can be loaded to the main index.

When we click in a new on the main index, we will go to the visualization of the full new.

And this is the resume of the application

## Evaluation

- Use Java EE with EJB and PostgreSQL
  - The project is done with Java Enterprise Edition
  - Use EJB linked to the PostgreSQL table of news
  - Using glassfish
- Load 4 news with .jsp in the main web page
  - In my case I load 4 news instead of 3, because I show my news, in rows, with 2 columns each row, where each of them have a new. So, is more esthetic show 4
  - This works with a call to a Servlet, and it takes 4 news, and send the news to the .jsp when the servlet redirects to the jsp.
  - The reason of this, is because js code is not preloaded in the html, but .jsp have code that it's preloaded, so it will be detected by google, and it will help google to find results related.

- Load more news with the scroll and a button of load more news with a load status
  - At the bottom of the main web page there are a blue button, that allows charge more news (if there are more news). Also, if it detects the end of the web page, when scrolling, it will automatically load more news (if there are more news available)
  - Each time that detects one of the previous events:
    - A toast will pop up! Saying if the news are loaded successfully, if there was an error, or if there are not more news available.
    - Also a load status will appear in the screen when tries to get more news
- Implemented a web page with a form for insert news
  - There a section to upload news, this section is restricted to admin users only, so when we click in the section "Create New" it will pop up a login.
  - Only the users that are in the group-rol allowed can enter in this site
  - The site have a field to add the title of the new
  - An area to insert the description of the new and a file upload to insert the image of the new

## ● Using library TinyMCE and Clean File Upload

- TinyMCE is an external tool that allows us to have a text area, but a text area with plugins like the text font, the text size, aligns, etc, etc (like a Word). Furthermore it allows us to take his content in an HTML format
- There was problems with the UTF-8, so I had to insert it in the parameters of the TinyMCE
- The file upload allows to insert files, in this case I restricted the files to .png and .jpg
- The way of sending this information, is sending all the form, and in the servlet we decompose the information:
  - Taking the description
  - Taking the image + resizing + transforming it to .png

## ● Front-end.war and Back-end.war

- This doble war is not implemented

## ● Changelog and more documentation

- The documentation of the project is included here and in the readme associated in the github